FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

February 22, 2017

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

RE: Status Report, Master Dry Cleaners DERF Site, 6326 W. Bluemound Road, Wauwatosa, WI, BRRTS # 02-41-545142

Dear Mr. Hnat;

Objective

The purpose of this status report is to present the results from the last round of groundwater samples obtained in October 2016, subslab vapor results from the neighboring properties to the north and east, findings from the video of the sewer lateral, and results from soil borings advanced adjacent to the sewer lateral.

The next steps in the project have been identified and include excavation and replacement of the interior sanitary sewer and adjacent soils, and completion of the next round of groundwater samples in February 2017.

Completed Activities and Site Status

The drycleaning business ceased operations in 2015, and a new tenant is seeking to use the building. Prior to occupancy, additional assessment and partial remediation was completed in February 2016. This report summarizes further assessment activities within the building, and indoor excavation is planned, with installation of a vapor mitigation system, prior to restoration and occupancy.

The site investigation was completed in 2012, and soil borings and a monitoring well network consisting of 19 locations has been established (Figure 1). Petroleum investigation and remediation actions had previously been completed, as the property was also formerly a gas station from approximately 1950 to 1970. Soil excavation and disposal in 2006 addressed the former tank bed contamination, with remaining petroleum persisting in the soil and groundwater southwest of the building. The petroleum activities were closed by the WDNR in June 2013, with notification of off-site contamination in groundwater provided to the neighbor to the north (Richard Rusch, 518 N 64th Street). A cap maintenance plan was also part of the requirement for closure, with essentially the entire building and parking lot paved surfaces identified as an area that serves as a cap that should be maintained to be protective of the environment.

In early December 2015, Fehr Graham directed the injection of an aqueous mixture containing 3,200 pounds of Provectus IR at the most contaminated area of the property. Areas of injection focused on the south, east, and north edges of the building, but did not access the building interior.

Indoor removal of a former sump, and shallow underlying soil was completed in February 2016. Further excavation of soil from beneath the building is planned and described in this report.

Groundwater Sampling and Results October 2016

Per the approved remedial action plan, the second round of post-injection groundwater samples was obtained on October 13 and October 14, 2016. Fourteen of the nineteen site monitoring wells (samples not collected from SMW-1, SMW-2, SMW-5, SMW-12, and SMW-13) were tested for VOC analysis. Field measurements were taken at all wells for water level, pH, dissolved oxygen, conductivity, and oxidation / reduction potential. All site wells were also monitored using a MSA Altair 4X four-gas meter to monitor % LEL (Methane), oxygen, carbon dioxide and sulfur dioxide levels. The laboratory analytical results are attached and the data has been tabulated and plotted (Table A.1.1, Table A.6, Table A.7, Table A.8 and Figures 1 and 2).

The results indicate the groundwater flow direction remains to the north / northeast, as previously identified (Figure 1). The chemistry results continue to indicate highly favorable results in the post-injection remediation timeframe compared to pre-injection results. Charts (Attachment C) of some key concentrations over time are attached for select wells and analytes. Some highlights include:

- Continued decreases for PCE at the source area (SMW-9) from 81,800 ppb to 369 ppb and MW-3 on the adjacent Police Union property from 240 ppb to no detection (<1.0 ppb). Increases were noted for degradation products (DCE, VC) at the source area well SMW-9, with the most significant being an increase in cis 1,2-DCE from 1,480 ppb to 43,300 ppb, and VC from 176 ppb to 9,770 ppb. These increases in daughter products demonstrate the degradation of PCE at the source area.

- Downgradient to the north, groundwater from monitoring well SMW-4 displays a similar trend, with PCE dropping from 112 to 12.5 ppb, and DCE and VC increasing.

- Stable and variable results, with some increases since the last sample round were noted in all contaminants in the groundwater from the downgradient off-site well SMW-10, where PCE increased from 1.0 ppb to 242 ppb, and TCE, DCE, and VC also increased. Stable to variable concentrations were also apparent in groundwater from further downgradient wells SMW-11 and SMW-14.

- Overall contaminant levels have decreased significantly for PCE and TCE, and at some locations, decreases have been noted for all five CVOC compounds over time (SMW-3, PZ-1, PZ-2, MW-1, MW-2, MW-3).

- The results from the deeper aquifer, PZ-1 and PZ-2, demonstrate improving concentrations.

- Field evaluation of the chemical conditions reveals strongly negative oxidation reduction potentials below negative 50 and low dissolved oxygen below 1.5 ppm persist in groundwater from SMW-3, SMW-4, SMW-9, SMW-10, and MW-3. These conditions are preferred for continued degradation. Off-site downgradient monitoring wells SMW-11 and SMW-14 contain groundwater with positive ORP values (140 to 150) and slightly higher dissolved oxygen levels above 2.0 ppm (Table A.7).

- Readings from the four-gas meter show lowered oxygen levels and detectable methane gas levels in the headspace of monitoring wells SMW-3, SMW-4, SMW-9, and MW-3 (Table A.8).

Sewer Video and Assessment of Utilities

On January 5, 2017, Milestone Plumbing, Wauwatosa, advanced a video camera into the building sewer lateral. The camera was inserted at a depth of approximately two feet below grade, at the point where the line had previously been cut during excavation and removal of the interior floor drain / sump.

The video was advanced approximately 40 feet, with markings made on the ground surface of the pipe location as the camera traveled within the line. The video noted two sanitary lateral connections inside the building, one from a sink and a second connection from the bathrooms (Figure 3). Both connections join the lateral from the south, and were marked on the building interior floor.

A large misalignment of an inch or more where the interior pipe connects to the city lateral was identified approximately three feet outside the building wall, and the camera could not advance beyond this point. As a result, assessment of the integrity of the lateral outside the building to 64th Street could not be performed.

Soil borings were advanced using a Geoprobe to further evaluate potential releases along the sewer lateral, both inside and outside the building. Six borings were advanced by Horizon Construction, Fredonia, WI, and sixteen soil samples were retained for laboratory analysis. Boring locations and chemistry are mapped on Figure 3 and soil chemistry results tabulated (Table A.2.1). Borehole logs and laboratory analytical reports are included as Attachments A and B. The laboratory was Pace Analytical, Green Bay.

The soil chemistry results indicate the following:

- Soil near the indoor sanitary sewer lateral at B-104 and B-105 contains elevated levels of PCE at a depth of four to five feet below grade (55.6 mg/kg and 16.1 mg/kg, respectively). Deeper soil at boring B-104 from eight to ten feet, near the sump, had even higher levels at 67.5 mg/kg PCE, while the deeper soil at B-105 had no detectable VOCs. Results from other sub-building soil samples (Figure 3) indicate these elevated concentrations are limited in extent.

- Soil from boring B-106, located near the sanitary sewer offset off the northwest corner of the building, contains relatively low levels of contamination, with only 0.34 mg/kg PCE at a depth of three to four feet, no detection at five to six feet, and 1.7 mg/kg PCE at eight to ten feet below grade. These results indicate there

does not appear to be a significant release of drycleaning solvent associated with the sanitary sewer line offset (Figure 3).

- Soil from borings B-107, B-108, and B-109 indicate minimal to no impact with drycleaning solvent in soil from depths of three to four feet, five to six feet, and eight to ten feet below grade. These borings were installed north and south of the sanitary sewer lateral on the Master Drycleaner property, and demonstrate there was not a significant contaminant release to the environment associated with the sanitary sewer lateral outside the building. The previously proposed excavation of soil from outside the building along the entire sewer lateral to the 64th Street right of way does not appear warranted based on these results.

- Results from TCLP testing completed on soil from boring B-104 indicate the soil contains concentrations of PCE and TCE that meet the landfill disposal requirements. Combined with the previously approved Hazardous Waste Determination from the WDNR, excavated soil from the sanitary sewer lateral inside the building should be acceptable for disposal at a subtitle D facility in Wisconsin. Soil from the area immediately surrounding the sump contain higher concentrations, and upon excavation will need to be handled as hazardous waste.

Subslab Vapor Assessments

At the request of the DNR, subslab vapor testing was completed at two locations beneath the adjacent building to the east (Police Association Building, 6310 Bluemound) and at two locations beneath the basement of the Richard Rusch residence (518 N. 64th Street). Subslab vapor testing was previously completed in February 2016 beneath the Master Drycleaners building at two locations.

On January 5, 2017, samples of sub-slab air were obtained from the two properties. The samples were from air immediately beneath the concrete floor at both buildings, and locations are shown on Figure 4. Approximately six inches (VP-1) to 18 inches (VP-2) of concrete was encountered at the Police Association building, which is a slab on grade structure. Each vapor probe hole was advanced a few inches into the underlying soil prior to installation of a stainless-steel vapor probe with a silicon tubing sleeve. Only 0.25 inches of concrete was present in the basement boring VP-3 at the Rusch residence, and five inches of concrete was present at VP-1. The test locations at the Rusch building were the same locations that had been previously tested during the site investigation in 2009 / 2010.

The laboratory samples were obtained using summa canisters and grab sample methods. The canister was connected to the subfloor sample port with tubing, and the sample obtained by opening the canister valve for period of 30 minutes. The integrity of the sample was verified using the shut-in pressure test, to demonstrate the tubing connections to the canister were tight and did not leak. A water dam was used to verify that no indoor air could contaminate the sample through the vapor probe floor penetration.

The obtained air samples were sent to Pace Analytical Laboratory, St. Paul, MN for analysis of chlorinated volatile organic compounds (CVOCs) (Attachment B).

The subslab vapor results for all three structures are plotted on Figure 4. The results indicate have been compared to the relevant State standards on Table A. For the Master Cleaners and Police Association buildings, the small commercial building subslab vapor standards have been used for assessment. For the Rusch residence, the residential subslab vapor standards have been used for comparison.

Master Cleaners Building 6326 W. Bluemound Road

The results from February 2016 beneath the Master Cleaners building demonstrate the need for installation of a vapor mitigation system. Concentrations exceed levels of PCE and TCE that pose a theoretical risk to building occupants in a commercial setting (Table A).

Police Association Building 6310 W. Bluemound Road

The sub-slab air samples obtained from beneath building slab indicate PCE is present at concentrations (60.3 ug/m^3 and 16.8 ug/m^3) well below the below the WDNR / WDHFS small commercial building sub-slab standard of 6,000 ug/cubic meter (ug/m^3) in the subfloor air at both sampled locations. The compound TCE was detected in only one sample (VP-1) at a concentration of 0.64, well below the standard of 290 ug/m^3. The detection of TCE was flagged by the lab as being between the limit of detection and the limit of quantification which means that there may be some variability in the TCE results. Based on these results, no further testing is recommended at this structure.

Richard Rusch Residence 518 N 64th Street

Testing of the chemistry of the air beneath the basement floor in 2017 indicate PCE is present. The detected concentrations (32.0 and 32.5 ug/m^3) are far below the WDNR / WDHFS residential sub-slab standard of 1,400 ug/cubic meter (ug/m^3) for PCE in subfloor air (Table A). No other CVOCs were detected in the sub-slab vapors beneath the residence.

The concentration of all drycleaning solvents beneath the house are far lower than the theoretical concentrations the WDNR / WDSPS have determined pose a risk to building occupants.

Previously in 2009 and 2010, concentrations of TCE were present above levels of concern at subslab sample location VP-3, but no TCE was detected in the 2017 samples. Testing of indoor air in 2012 from the basement and first floor indicate no elevated levels of solvents were present at that time. All historic vapor sample results for the residence at 518 N 64th Street are shown on Table A.

Although previously thought necessary, no vapor mitigation system is recommended at this time. Upon completion of the final round of groundwater monitoring in late 2017 or early 2018, another sample from the subslab of the building should be obtained to assess whether a vapor mitigation system appears needed.

Since results from 518 N 64th Street are acceptable, planned vapor monitoring from 524 64th Street may not be necessary. That structure is currently unoccupied, and the

property owner was not initially receptive to allowing subslab vapor testing following an initial inquiry by Fehr Graham. The need for sampling of this structure can be revisited if needed when case closure appears viable.

Remaining Scope of Work

The following previously described and approved tasks are planned. Proposed modifications are emphasized with **highlighting**:

1. The approved remedial action plan includes post-injection rounds of groundwater sampling on a quarterly basis. The next round of groundwater sampling was completed on February 21 and 22, 2017.

2. Excavation of the indoor sanitary sewer lateral, and soil surrounding the former sump, will be completed to an estimated depth of six feet below grade. **The excavation will be widened to approximately four feet instead of the proposed two-foot width to remove more contaminated from beneath the building. Based on the observed soil chemistry results, remediation dollars are better spent removing more soil from beneath the building than from the outside sewer lateral.** Approval for disposal of most of the indoor soil at a licensed subtitle D landfill will be pursued. A small quantity (four-foot square by eight-foot depth) of the most contaminated soil adjacent to the sump will be drummed and handled as hazardous waste for disposal purposes (Figure 3).

3. Upon reaching the base of the indoor excavation, addition of 125 gallons of nano-scale liquid zero valent iron solution (ZVI) will be completed. Efforts will be made to mix the ZVI solution with remaining soil at the base of the indoor excavation to enhance contact for maximum response. The primary focus for treatment will be at the former sump, as the concentrations are greatest in that area. The ZVI addition will provide supplemental treatment of remaining PCE contamination that cannot be removed via excavation.

4. Upon completion of the excavation, the indoor lateral will be reinstalled, but only to connect the central wall sink and bathrooms (approximately 20 feet). The replacement piping will not connect to the sink in the northeast corner of the building along the north wall.

5. Restoration will include installation of a subslab vapor mitigation system beneath the building. Perforated piping and a plastic / bentonite surface seal will be installed along the lateral excavation to provide greater lateral recover of vapors from beneath the building floor. The sub-slab vapor mitigation system fan and electric wiring will be installed following completion of all sub-building soil remediation and restoration of the building floor and effectiveness demonstrated via a communication test at the time of installation.

6. As required by the DNR, indoor chemical air testing will be performed prior to allowing building occupancy. Following this sampling effort, if warranted based on the results, a written response from the WDNR to DHS will be needed that indicates the building is safe for occupancy by non-drycleaning operations.

7. Excavation of the outdoor sewer lateral will be completed. An estimated 10 feet of lateral and surrounding soil will be removed from the building to the northwest to a depth of approximately eight feet below grade (Figure 3). Recovered soil will be landfilled. A licensed plumber will complete restoration of the sewer lateral, with proper connection to the indoor piping. If possible, the water lateral will not be disturbed during the excavation. Based on the clean soil boring results, excavation of the soil and sanitary sewer lateral all the way to the edge of the 64th Street right of way will not be completed. Precious resources are better spent removing additional indoor soil instead of outside soil that is not as contaminated. One grab sample of soil from fill material immediately beneath the remaining in place sanitary lateral will be retained for analysis of VOCs, to document the remaining chemistry of the utility backfill.

8. An estimated 25 gallons of ZVI solution will be added to the soil and backfill at the end of the outside lateral excavation. This material will treat any residual contaminated material that may preferentially be present in the lateral backfill. After placement of the ZVI solution, it will be mixed with the soils to the extent possible. The outside excavation will be backfilled and the sewer lateral restored.

I trust this information meets your needs. If you have any questions, please give me a call.

Sincerely,

Kendrick Ebbott, CGWP, P.G.
Branch Manager

Attachments:

Table A.1.1	Groundwater Analytical Table - VOC
Table A.2.1	Soil Analytical Results Table - VOC
Table A.6	Water Level Elevations
Table A.7	Groundwater Natural Attenuation
Table A.8	Four-Gas Meter Parameters
Table A	Vapor Analytical Table - VOC
Figure 1	Groundwater Elevation
Figure 2	Groundwater Chemistry October 13, 2016
Figure 3	Site Soil Chemistry & Utilities with Proposed Excavation
Figure 4	Vapor Chemistry

A: Borehole Logs B-104 to B-109
B: Laboratory Analytical Reports: Groundwater Results Oct 14, 2016

Vapor Results January 5, 2017
Soil Results January 20, 2017
C: Plots of Groundwater Chemistry Versus Time: Select Locations

Cc: Mr. Harold Shipshock, Master Cleaners, via mail
Mr. Tom Shipshock, via Email Only
Mr. Don Gallo, Husch Blackwell, via email only

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LEGEND

MW-14 MONITORING WELL / PIEZOMETER

GROUNDWATER FLOW DIRECTION

679.44 GROUNDWATER ELEVATION (FT/MSL)

678.90* NOT USED IN CONTOUR

SMW-14
677.41

SMW-13
677.81

SMW-12
678.03

524 64TH ST. HOUSE

GARAGE

678

SMW-11
678.24

518 64TH ST. HOUSE

SMW-10
678.26

MW-1
678.04

CONC

MILWAUKEE POLICE ASSOCIATION
6310 WEST BLUEMOUND ROAD

GRASS

ASPH

SMW-8
679.58

SMW-4
678.40

PZ-2
677.84*

679

MW-2
678.85

680

64TH ST.

SIDEWALK

681

SMW-5
681.60

679.47*
PZ-1

MW-3
680.61

SMW-9
678.90

682

FRMR
DCM

SMW-3
678.70

SMW-7
682.19

SMW-1
683.11

SS-3

SS-2

SS-1

FORMER 2,000 GAL GASOLINE UST

APPROX. LOCATION OF 2006 UST EXCAVATION TO 10'

APPROXIMATE PROPERTY LINE

FORMER 3,000 GAL GASOLINE UST

SMW-6
682.24

APPROXIMATE LOCATION OF FORMER DISPENSER

SMW-2
684.26

684

683

8" SAN

6" WATER

2" GAS

4" GAS (ABND)

SIDEWALK

GRASS

W. BLUEMOUND ROAD

N

W E

S

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GRAPHIC SCALE IN FEET

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS IOWA WISCONSIN

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

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

TITLE: GROUNDWATER ELEVATION OCTOBER 13, 2016

BRRTS: 02-41-545142
JOB NO.: 15-1209
PLOT DATE: 2/16/17

FIGURE: 1

G:\C3D\15\15-1209 Master Clnr\Exhibits\BaseMap-Master-15.1209.dwg, GW ELEV 10.13.16

LEGEND

MW–1 MONITORING WELL

10/14/16	SAMPLE DATE
PCE	TETRACHLOROETHENE (ug/l)
TCE	TRICHLOROEHTENE (ug/l)
cis	cis-1,2,-DICHLOROETHENE (ug/l)
trans	trans-1,2,-DICHLOROETHENE (ug/l)
VC	VINYL CHLORIDE (ug/l)
11DCE	1,1-DICHLOROTHENE (ug/l)
12DCA	1,2-DICHLORETHANE (ug/L)
B	BENZENE (ug/l)
E	ETHYLBENZENE (ug/l)
X	XYLENES, TOTAL (ug/l)
N	NAPHTHTALENE (ug/l)
TMB	TRIMETHYLBENZENES, TOTAL (ug/l)
Fe	IRON, DISSOLVED (mg/L)
Mn	MANGANESE, DISSOLVED (mg/L)
As	ARSENIC, DISSOLVED (ug/L)

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

532 64TH ST. HOUSE
GARAGE
GARAGE
SMW–13
NOT SAMPLED
524 64TH ST. HOUSE
SMW–12
NOT SAMPLED
GARAGE
SMW–14
(48' TO N.)
cis ***443++***
trans *26.8+*
VC ***178++***
11DCE *2.7+*
GRASS
SMW–11
PCE ***269++***
TCE ***85.5++***
cis ***107++***
trans 4.0
VC ***6.5++***
518 64TH ST. HOUSE
MW–1
PCE 2.2+
TCE *3.6+*
cis 5.3
trans 0.33
VC ***1.3++***
CONC
MILWAUKEE POLICE ASSOCIATION
6310 WEST BLUEMOUND ROAD
SMW–10
PCE ***242++***
TCE ***251++***
cis ***1,430++***
trans 13.7
VC ***50.8++***
11DCE ***8.8++***
E *451+*
T *290+*
X *1,422+*
TMB ***649.8++***
GARAGE
GRASS
SMW–8
B *1.0+*
T 1.8
TMB 0.65
TCE 0.39
cis 0.57
ASPH
ASPH
SMW–4
PCE <12.5
cis ***2,390++***
trans *80.5+*
VC ***728++***
E *204+*
X *701+*
TMB 61.4
PZ–2
PCE *0.87+*
cis *13.4+*
trans 1.0
VC ***2.3++***
B *1.2+*
MW–2
PCE *1.7+*
TCE 0.37+
64TH ST.
GRASS
SIDEWALK
GRASS
PCE ***369++***
cis ***43,300++***
trans ***149++***
VC ***9,770++***
1,1DCE ***347++***
E *176+*
PCE *0.95+*
cis 0.60
MW–3
PZ–1
SMW–9
TCE *1.4+*
cis *18.3+*
trans 0.80
VC ***43.2++***
B *3.4+*
SMW–5
NOT SAMPLED
FRMR DCM
ASPH
CONC
SMW–7
E ***3,140++***
T 88.3
X ***13,100++***
N ***340++***
TMB ***1,804++***
SMW–3
PCE *1.1+*
TCE ***8.3++***
cis ***102++***
trans 0.96
VC ***4.6++***
MC *2.9+*
12DCA *5.9+*
B ***132++***
E 94.8
T 65.4
X 53.0
TMB 4.04
SMW–1
NOT SAMPLED
FORMER 2,000 GAL GASOLINE UST
CONC
ASPH
FORMER 3,000 GAL GASOLINE UST
SMW–6
PCE *3.1+*
TCE 0.38
APPROXIMATE LOCATION OF FORMER DISPENSER
SMW–2
NOT SAMPLED
SIDEWALK
GRASS
W. BLUEMOUND ROAD

N W E S

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GRAPHIC SCALE IN FEET

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

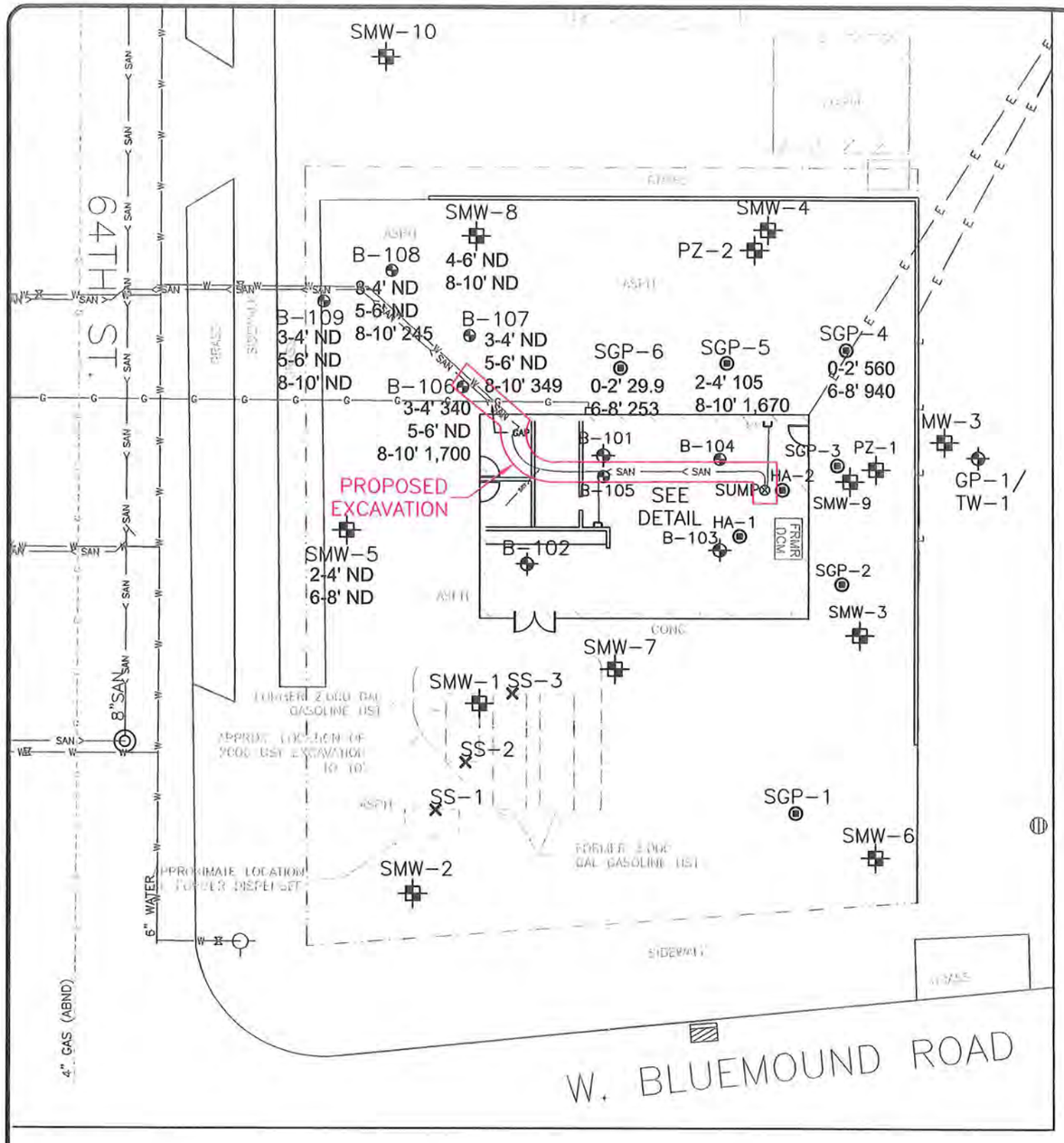
DRWN: MKH DATE:10/1/15 APPD: XXX

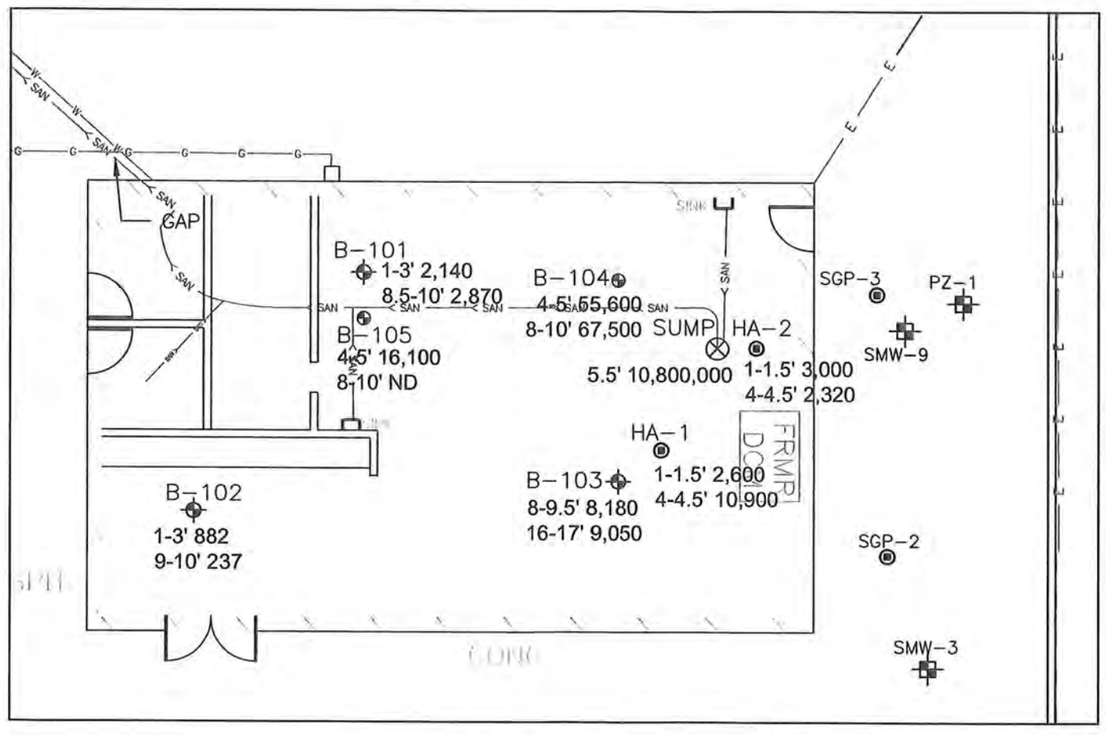
TITLE: GROUNDWATER CHEMISTRY OCT. 13, 2016

BRRTS: 02–41–545142
JOB NO.:15–1209
PLOT DATE: 10/28/16

FIGURE: 2

G:\C3D\15\15–1209 Master Clnr\Exhibits\Base\Mstr–15 1209.dwg GW CHEM 10 13 16





LEGEND

- SOIL BORING
- SOIL BORING W/ TEMP WELL
- MONITORING WELL
- EXCAVATION SAMPLE
- 1-3' SAMPLE DEPTH
- 2,140 CONCENTRATION OF PCE (ug/kg)

20 0 20
GRAPHIC SCALE IN FEET

10 0 10
GRAPHIC SCALE IN FEET

N
W E
S

G:\C3D\15\15-1209 Master Clnr\Exhibits\BaseMap-Master-15.1209.dwg, FIG 3 - PROP OEX

FEHR GRAHAM ENGINEERING & ENVIRONMENTAL ILLINOIS IOWA WISCONSIN

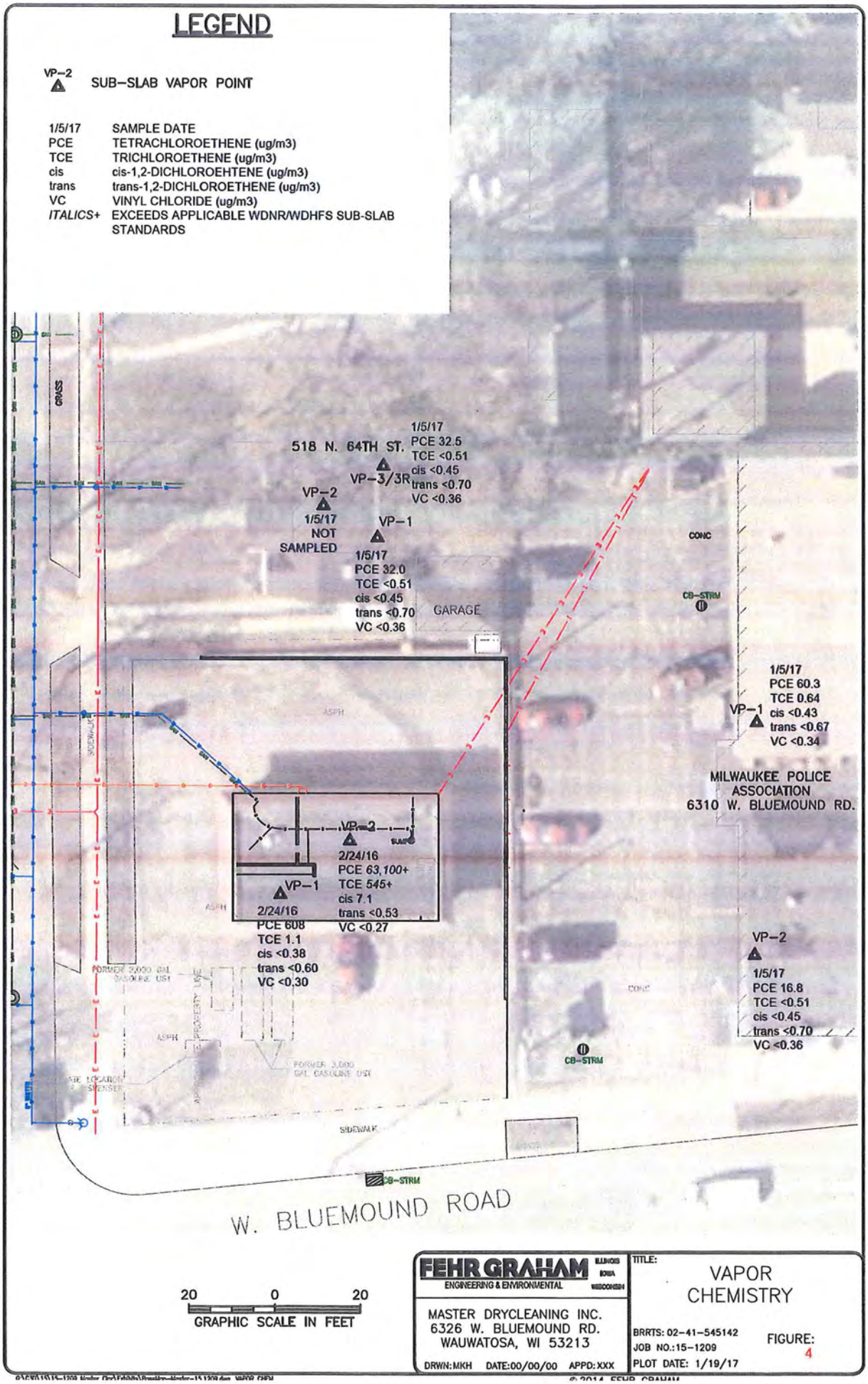
MASTER DRYCLEANING INC.
6326 W. BLUEMOUND RD.
WAUWATOSA, WI 53213

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

TITLE: SITE SOIL CHEMISTRY & UTILITIES WITH PROPOSED EXCAVATION

BRRTS: 02-41-545142
JOB NO.: 15-1209
PLOT DATE: 2/16/17

FIGURE: 3


LEGEND
VP–2
SUB–SLAB VAPOR POINT
1/5/17 SAMPLE DATE
PCE TETRACHLOROETHENE (ug/m3)
TCE TRICHLOROETHENE (ug/m3)
cis cis-1,2-DICHLOROEHTENE (ug/m3)
trans trans-1,2-DICHLOROETHENE (ug/m3)
VC VINYL CHLORIDE (ug/m3)
ITALICS+ EXCEEDS APPLICABLE WDNR/WDHFS SUB-SLAB STANDARDS
518 N. 64TH ST.
VP–3/3R
1/5/17
PCE 32.5
TCE <0.51
cis <0.45
trans <0.70
VC <0.36
VP–2
1/5/17
NOT SAMPLED
VP–1
1/5/17
PCE 32.0
TCE <0.51
cis <0.45
trans <0.70
VC <0.36
GARAGE
CONC
CB–STRM
1/5/17
PCE 60.3
TCE 0.64
cis <0.43
trans <0.67
VC <0.34
VP–1
MILWAUKEE POLICE ASSOCIATION
6310 W. BLUEMOUND RD.
VP–2
2/24/16
PCE 63,100+
TCE 545+
cis 7.1
trans <0.53
VC <0.27
VP–1
2/24/16
PCE 608
TCE 1.1
cis <0.38
trans <0.60
VC <0.30
VP–2
1/5/17
PCE 16.8
TCE <0.51
cis <0.45
trans <0.70
VC <0.36
CB–STRM
GRASS
ASPH
SIDEWALK
FORMER 3,000 GAL GASOLINE UST
PROPERTY LINE
SIDEWALK
CB–STRM
W. BLUEMOUND ROAD
20 0 20
GRAPHIC SCALE IN FEET
FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS IOWA WISCONSIN
MASTER DRYCLEANING INC.
6326 W. BLUEMOUND RD.
WAUWATOSA, WI 53213
DRWN: MKH DATE: 00/00/00 APPD: XXX
TITLE:
VAPOR CHEMISTRY
BRRTS: 02-41-545142
JOB NO.: 15-1209
PLOT DATE: 1/19/17
FIGURE: 4

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-1							
Date				12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	09/30/15		04/25/16
Groundwater Elevation				682.46	682.06	680.92	682.05	681.43	683.03		683.84
Benzene	(ug/L)	*0.5*	5	<0.47	*0.51 J*	<0.47	0.38 J	<0.41	<0.50		<0.50
Ethylbenzene	(ug/L)	*140*	700	2.19	72	0.61 J	23.6	<0.87	23.9		20.1
Toluene	(ug/L)	*160*	800	<0.59	0.93 J	<0.46	0.62 J	<0.51	<0.50		<0.50
Xylenes (TOTAL)	(ug/L)	*400*	2,000	7.05 J	16.45	<0.99	2.47 J	<2.13	2.3		1.9 J
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	2.3		<0.50
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.50		1.9 J
Naphthalene	(ug/L)	*10*	100	<2.2	3.8 J	<1.8	2.19 J	<1.7	<2.5		<2.5
MTBE	(ug/L)	*12*	60	<0.52	<0.52	<0.52	<0.7	<0.5	<0.17		<0.17
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	480	5.68	18.5	<1.57	0.83	<2.6	0.91		0.68 J
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	1.48	18.5	<1.2	0.83 J	<1.1	0.91 J		0.68 J
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	4.2	<0.37	<0.37	<0.23	<1.5	<0.50		<0.50
Tetrachloroethene (PCE)	(ug/L)	*0.5*	5	<0.52	*0.69 J*	<0.52	*0.60*	<0.42	<0.50		<0.50
Trichloroethene (TCE)	(ug/L)	*0.5*	5	<0.44	*0.56 J*	<0.44	<0.47	<0.39	<0.33		<0.33
cis-1,2-Dichloroethene	(ug/L)	*7*	70	<0.68	<0.68	<0.68	<0.44	<0.68	<0.26		<0.26
trans-1,2-Dichloroethene	(ug/L)	*20*	100	<0.95	<0.95	<0.95	<0.61	<0.61	<0.26		<0.26
Vinyl Chloride	(ug/L)	*0.02*	0.2	<0.17	<0.2	<0.2	<0.2	<0.2	<0.18		<0.18
Methylene Chloride	(ug/L)	*0.5*	5	<0.69	<0.69	<0.69	<0.99	<1.5	<0.23		<0.23
Bromobenzene	(ug/L)	NS	NS	<0.62	<0.36	<0.36	<0.44	<0.43	<0.23		<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.34		<0.34
Bromodichloromethane	(ug/L)	*0.06*	0.6	<0.82	<0.5	<0.5	<0.3	<0.41	<0.50		<0.50
Bromoform	(ug/L)	*0.44*	4.4	<0.3	<0.38	<0.38	<0.7	<0.46	<0.50		<0.50
Bromomethane	(ug/L)	*1*	10	NR	NR	NR	NR	NR	<2.4		<2.4
n-Butylbenzene	(ug/L)	NS	NS	<1.1	7.3	<0.52	1.06 J	<1.5	4.9		2.4
sec-Butylbenzene	(ug/L)	NS	NS	<0.76	8	0.59 J	1.64 J	0.86 J	7.2		7.1
tert-Butylbenzene	(ug/L)	NS	NS	<0.6	<0.34	<0.34	<0.32	<0.46	<0.18		<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	5	<0.52	<0.46	<0.46	<0.3	<0.43	<0.50		<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.56	<0.31	<0.31	<0.39	<0.39	<0.50		<0.50
Chloroethane	(ug/L)	*80*	400	<0.54	<0.47	<0.47	<0.97	<1.5	<0.37		<0.37
Chloroform	(ug/L)	*0.6*	6	<0.61	<0.48	<0.48	<0.47	<0.48	<2.5		<2.5
Chloromethane	(ug/L)	3	30	<1.0	<1	<1	<0.5	<0.5	<0.50		<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<1.1	<0.49	<0.49	<0.41	<0.37	<0.50		<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.62	<0.38	<0.38	<0.3	<0.63	<0.21		<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	0.2	<2.5	<1.4	<1.4	<1.7	<2	<2.2		<2.2
Dibromochloromethane	(ug/L)	*6*	60	<0.65	<0.32	<0.32	<0.4	<0.76	<0.50		<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	0.05	<0.49	<0.49	<0.49	<0.76	<0.52	<0.18		<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.43		<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	600	<0.69	<0.35	<0.35	<0.88	<0.66	<0.50		<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	600	<0.72	<0.3	<0.3	<0.67	<0.34	<0.50		<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	75	<0.68	<0.33	<0.33	<0.74	<0.77	<0.50		<0.50
Dichlorodifluoromethane	(ug/L)	*200*	1,000	<0.5	<0.46	<0.46	<0.76	<0.45	<0.22		<0.22
1,1-Dichloroethane	(ug/L)	*85*	850	<0.56	<0.56	<0.56	<0.59	<0.44	<0.24		<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	5	<0.72	<0.45	<0.45	<0.41	<0.43	<0.17		<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	7	<0.3	<0.64	<0.64	<0.5	<0.47	<0.41		<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	5	<0.47	<0.47	<0.47	<0.27	<0.26	<0.23		<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.67	<0.39	<0.39	<0.4	<0.49	<0.50		<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<1.2	<0.98	<0.98	<0.53	<0.89	<0.48		<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.44		<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	NR	NR	NR	<0.50		<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	NR	NR	NR	<0.23		<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.71	<1.3	<1.3	<0.37	<0.32	<0.50		<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<2.1	<1.5	<1.5	<1.7	<1.5	<2.1		<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.99	35	1.3 J	14.6	1.79	25.8		25.5
p-Isopropyltoluene	(ug/L)	NS	NS	<0.81	1.58	<0.35	<0.77	<0.57	1.3		1.4
n-Propylbenzene	(ug/L)	NS	NS	<0.61	100	2.16	31.5	2.31	71.4		62.6
Styrene	(ug/L)	*10*	100	NR	NR	NR	NR	NR	<0.50		<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	70	<0.65	<0.65	<0.65	<0.32	<0.54	<0.18		<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		<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.4	<1.6	<1.6	<1.6	<1.6	<2.1		<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	70	<1.5	<1.5	<1.5	<1.1	<2.1	<2.2		<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	200	<0.5	<0.5	<0.5	<0.28	<0.46	<0.50		<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	5	<0.5	<0.5	<0.5	<0.39	<0.41	<0.20		<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.61	<0.61	<0.61	<0.81	<0.72	<0.18		<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	60	NR	NR	NR	NR	NR	<0.50		<0.50

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-2							
Date				12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	09/30/15		04/25/16
Groundwater Elevation				684.09	683.74	681.92	683.66	682.89	683.27		684.64
Benzene	(ug/L)	*0.5*	5	<0.47	<0.47	<0.47	<0.24	<0.41	<0.50		<0.50
Ethylbenzene	(ug/L)	*140*	700	<0.38	<0.38	<0.38	0.37 J	<0.87	<0.50		<0.50
Toluene	(ug/L)	*160*	800	<0.59	<0.46	<0.46	<0.39	<0.51	<0.50		<0.50
Xylenes (TOTAL)	(ug/L)	*400*	2,000	<1.1	<0.99	<0.99	1.01 J	<2.13	<1.5		<1.50
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<1.0		<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.50		<0.50
Naphthalene	(ug/L)	*10*	100	<2.2	<1.8	<1.8	<1.8	<1.7	<2.5		<2.5
MTBE	(ug/L)	*12*	60	<0.52	<0.52	<0.52	<0.7	<0.5	<0.17		<0.17
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	480	<1.2	<1.57	<1.57	<0.74	<2.6	<1.0		<0.50
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.39	<1.2	<1.2	<0.51	<1.1	<0.50		<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<1.2	<0.37	<0.37	<0.23	<1.5	<0.50		<0.50
Tetrachloroethene (PCE)	(ug/L)	*0.5*	5	<0.52	<0.52	<0.52	<0.5	<0.42	<0.50		<0.50
Trichloroethene (TCE)	(ug/L)	*0.5*	5	<0.44	<0.44	<0.44	<0.47	<0.39	<0.33		<0.33
cis-1,2-Dichloroethene	(ug/L)	*7*	70	<0.68	<0.68	<0.68	<0.44	<0.68	<0.26		<0.26
trans-1,2-Dichloroethene	(ug/L)	*20*	100	<0.95	<0.95	<0.95	<0.61	<0.61	<0.26		<0.26
Vinyl Chloride	(ug/L)	*0.02*	0.2	<0.17	<0.2	<0.2	<0.2	<0.2	<0.18		<0.18
Methylene Chloride	(ug/L)	*0.5*	5	<0.69	<0.69	<0.69	<0.99	<1.5	<0.23		<0.23
Bromobenzene	(ug/L)	NS	NS	<0.62	<0.36	<0.36	<0.44	<0.43	<0.23		<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.34		<0.34
Bromodichloromethane	(ug/L)	*0.06*	0.6	<0.82	<0.5	<0.5	<0.3	<0.41	<0.50		<0.50
Bromoform	(ug/L)	*0.44*	4.4	<0.3	<0.38	<0.38	<0.7	<0.46	<0.50		<0.50
Bromomethane	(ug/L)	*1*	10	NR	NR	NR	NR	NR	<2.4		<2.4
n-Butylbenzene	(ug/L)	NS	NS	<1.1	<0.52	<0.52	<0.55	<1.5	<0.50		<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.76	<0.36	<0.36	<0.73	<0.43	<2.2		<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.6	<0.34	<0.34	<0.32	<0.46	<0.18		<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	5	<0.52	<0.46	<0.46	<0.3	<0.43	<0.50		<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.56	<0.31	<0.31	<0.39	<0.39	<0.50		<0.50
Chloroethane	(ug/L)	*80*	400	<0.54	<0.47	<0.47	<0.97	<1.5	<0.37		<0.37
Chloroform	(ug/L)	*0.6*	6	<0.61	<0.48	<0.48	<0.47	<0.48	<2.5		<2.5
Chloromethane	(ug/L)	3	30	<1.0	<1	<1	<0.5	<0.5	<0.50		<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<1.1	<0.49	<0.49	<0.41	<0.37	<0.50		<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.62	<0.38	<0.38	<0.3	<0.63	<0.21		<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	0.2	<2.5	<1.4	<1.4	<1.7	<2	<2.2		<2.2
Dibromochloromethane	(ug/L)	*6*	60	<0.65	<0.32	<0.32	<0.4	<0.76	<0.50		<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	0.05	<0.49	<0.49	<0.49	<0.76	<0.52	<0.18		<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.43		<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	600	<0.69	<0.35	<0.35	<0.88	<0.66	<0.50		<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	600	<0.72	<0.3	<0.3	<0.67	<0.34	<0.50		<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	75	<0.68	<0.33	<0.33	<0.74	<0.77	<0.50		<0.50
Dichlorodifluoromethane	(ug/L)	*200*	1,000	<0.5	<0.46	<0.46	<0.76	<0.45	<0.22		<0.22
1,1-Dichloroethane	(ug/L)	*85*	850	<0.56	<0.56	<0.56	<0.59	<0.44	<0.24		<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	5	<0.72	<0.45	<0.45	<0.41	<0.43	<0.17		<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	7	<0.3	<0.64	<0.64	<0.5	<0.47	<0.41		<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	5	<0.47	<0.47	<0.47	<0.27	<0.26	<0.23		<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.67	<0.39	<0.39	<0.4	<0.49	<0.50		<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<1.2	<0.98	<0.98	<0.53	<0.89	<0.48		<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.44		<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	NR	NR	NR	<0.50		<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	NR	NR	NR	<0.23		<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.71	<1.3	<1.3	<0.37	<0.32	<0.50		<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<2.1	<1.5	<1.5	<1.7	<1.5	<2.1		<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.99	<0.48	<0.48	<0.6	<0.39	<0.14		<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.81	<0.35	<0.35	<0.77	<0.57	<0.50		<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.61	0.42 J	<0.38	<0.54	<0.33	<0.50		<0.50
Styrene	(ug/L)	*10*	100	NR	NR	NR	NR	NR	<0.50		<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	70	<0.65	<0.65	<0.65	<0.32	<0.54	<0.18		<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		<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.4	<1.6	<1.6	<1.6	<1.6	<2.1		<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	70	<1.5	<1.5	<1.5	<1.1	<2.1	<2.2		<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	200	<0.5	<0.5	<0.5	<0.28	<0.46	<0.50		<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	5	<0.5	<0.5	<0.5	<0.39	<0.41	<0.20		<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.61	<0.61	<0.61	<0.81	<0.72	<0.18		<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	60	NR	NR	NR	NR	NR	<0.50		<0.50

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

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	INJECTION DECEMBER 2015	04/25/16	10/14/16
Groundwater Elevation				679.93	679.01	678.96	679.47	678.65	680.12	678.47	678.73	679.14		679.68	678.70
Benzene	(ug/L)	*0.5*	**5**	*176*	*308*	*320*	*175*	*133*	*590*	*145*	*144*	*96.3*		*24.2*	*132*
Ethylbenzene	(ug/L)	*140*	**700**	*340*	*142*	*62*	*148*	*42 J*	*500*	65	58	*204*		*31.9*	94.8
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		10.0	65.4
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		21.7	53.0
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	NR	19.7 J		15	39.1
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	NR	11.9		6.7	13.9
Naphthalene	(ug/L)	*10*	**100**	*110 J*	<36	<90	<36	<34	*247*	*18.2 J*	<20	<25.0		<2.5	<2.5
MTBE	(ug/L)	*12*	**60**	<26	<10.4	<26	<14	<10	<24.5	<4.9	<4.7	<1.7		<0.17	<0.17
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		17.5	4.04
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	264	39 J	<60	42	<22	261	16.1 J	<14	14.0		14.8	3.1
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		2.7	0.94 J
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	*52 J*	*174*	*126*	*81*	*13.6 J*	--	--	--	*21.0*		*28.7*	*1.1*
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	*264*	*313*	*278*	*274*	*103*	--	--	--	*92.2*		*56.2*	*8.3*
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	*870*	*2,400*	*2,250*	*2,040*	*1,740*	--	--	--	*1,350*		*105*	*102*
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<47.5	*30 J*	<47.5	<12.2	<12.2	--	--	--	15.4		2.6	0.96 J
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	*212*	*314*	*298*	*227*	*123*	--	--	--	*229*		*40.9*	*4.6*
Methylene Chloride	(ug/L)	*0.5*	**5**	<34.5	<13.8	<34.5	<19.8	<30	--	--	--	<2.3		1.9	2.9
Bromobenzene	(ug/L)	NS	NS	<31	<7.2	<18	<8.8	<8.6	--	--	--	<2.3		<0.23	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	--	--	--	<3.4		<0.34	<0.34
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	<41	<10	<25	<6	<8.2	--	--	--	<5.0		<0.50	<0.50
Bromoform	(ug/L)	*0.44*	**4.4**	<15	<7.6	<19	<14	<9.2	--	--	--	<5.0		<0.50	<0.50
Bromomethane	(ug/L)	*1*	**10**	NR	NR	NR	NR	NR	--	--	--	<24.3		<2.4	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<55	<10.4	<26	<11	<30	--	--	--	<5.0		<0.50	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<38	<7.2	<18	<14.6	<8.6	--	--	--	<21.9		<2.2	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<30	<6.8	<17	<6.4	<9.2	--	--	--	<1.8		<0.18	<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	<26	<9.2	<23	<6	<8.6	--	--	--	<5.0		<0.50	<0.50
Chlorobenzene	(ug/L)	NS	NS	<28	<6.2	<15.5	<7.8	<7.8	--	--	--	<5.0		<0.50	<0.50
Chloroethane	(ug/L)	*80*	**400**	<27	<9.4	<23.5	<19.4	<30	--	--	--	<3.7		<0.37	2.3
Chloroform	(ug/L)	*0.6*	**6**	<30.5	<9.6	<24	<9.4	<9.6	--	--	--	<25.0		<2.5	<2.5
Chloromethane	(ug/L)	3	**30**	<50	<20	<50	<10	<10	--	--	--	<5.0		<0.50	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<55	<9.8	<24.5	<8.2	<7.4	--	--	--	<5.0		<0.50	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<31	<7.6	<19	<6	<12.6	--	--	--	<2.1		<0.21	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	**0.2**	<125	<28	<70	<34	<40	--	--	--	<21.6		<2.2	<2.2
Dibromochloromethane	(ug/L)	*6*	**60**	<32.5	<6.4	<16	<8	<15.2	--	--	--	<5.0		<0.50	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	**0.05**	<24.5	<9.8	<24.5	<15.2	<10.4	--	--	--	<1.8		<0.18	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	--	--	--	<4.3		<0.43	<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<34.5	<7	<17.5	<17.6	<13.2	--	--	--	<5.0		<0.50	<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	<36	<6	<15	<13.4	<6.8	--	--	--	<5.0		<0.50	<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	<34	<6.6	<16.5	<14.8	<15.4	--	--	--	<5.0		<0.50	<0.50
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<25	<9.2	<23	<15.2	<9	--	--	--	<2.2		<0.22	<0.22
1,1-Dichloroethane	(ug/L)	*85*	**850**	<28	<11.2	<28	<11.8	<8.8	--	--	--	<2.4		<0.24	<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<36	31.4	<22.5	<8.2	<8.6	--	--	--	<1.7		*1.8*	*5.9*
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<15	<12.8	<32	<10	<9.4	--	--	--	*7.5 J*		<0.41	<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	<23.5	<9.4	<23.5	<5.4	<5.2	--	--	--	<2.3		<0.23	*10.6*
1,3-Dichloropropane	(ug/L)	NS	NS	<33.5	<7.8	<19.5	<8	<9.8	--	--	--	<5.0		<0.50	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<60	<19.6	<49	<10.6	<17.8	--	--	--	<4.8		<0.48	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	--	--	--	<4.4		<0.44	<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	NR	NR	--	--	--	<5.0		<0.50	<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	NR	NR	--	--	--	<2.3		<0.23	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<35.5	<26	<65	<7.4	<6.4	--	--	--	<5.0		<0.50	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<105	<30	<75	<34	<30	--	--	--	<21.1		<2.1	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<49.5	<9.6	<24	<12	<7.8	--	--	--	20.7		7.2	10.4
p-Isopropyltoluene	(ug/L)	NS	NS	<40.5	<7	<17.5	<15.4	<11.4	--	--	--	<5.0		<0.50	<0.50
n-Propylbenzene	(ug/L)	NS	NS	57 J	<7.6	<19	14 J	<6.6	--	--	--	41.7		3.6	8.9
Styrene	(ug/L)	*10*	**100**	NR	NR	NR	NR	NR	--	--	--	<5.0		<0.50	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	**70**	<32.5	<13	<32.5	<6.4	<10.8	--	--	--	<1.8		<0.18	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	**0.2**	<44.5	<15	<37.5	<10	<11	--	--	--	<2.5		<0.25	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<70	<32	<80	<32	<32	--	--	--	<21.3		<2.1	<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	<75	<30	<75	<22	<42	--	--	--	<22.1		<2.2	<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<25	<10	<25	<5.6	<9.2	--	--	--	<5.0		<0.50	<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<25	<10	<25	<7.8	<8.2	--	--	--	<2.0		<0.20	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<30.5	<12.2	<30.5	<16.2	<14.4	--	--	--	<1.8		<0.18	<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	NR	NR	NR	NR	NR	--	--	--	<5.0		<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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-4									
Date				12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15		04/26/16	10/14/16
Groundwater Elevation				680.23	678.83	678.71	678.97	678.34	679.17	681.45		680.54	678.40
Benzene	(ug/L)	*0.5*	**5**	<23.5	<9.4	<9.4	<12	<8.2	*1.28 J*	<0.50		<2.5	<12.5
Ethylbenzene	(ug/L)	*140*	**700**	<19	<7.6	<7.6	*107*	*39 J*	<0.98	<0.50		*2.8 J*	*204*
Toluene	(ug/L)	*160*	**800**	<29.5	<9.2	<9.2	*254*	*88*	<0.89	<0.50		<2.5	*154*
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<55	<19.4	<19.8	*411*	*165*	*2.06 J*	<1.5		*8.1 J*	*701*
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<1.0		*8.1 J*	*563*
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.50		<2.5	*138*
Naphthalene	(ug/L)	*10*	**100**	<110	<36	<36	<90	<34	<2	<2.5		<12.5	<62.5
MTBE	(ug/L)	*12*	**60**	<26	<10.4	<10.4	<35	<10	<0.47	<0.17		<0.87	<4.4
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	<60	<31.4	<31.4	*49.5*	<52	<1.4	<1.0		<5.0	*61.4*
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<19.5	<24	<24	*36 J*	<22	<1.4	<0.50		<2.5	*43.6*
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<60	<7.4	<7.4	*13.5 J*	<30	<1.3	<0.50		<2.5	*17.8 J*
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	*670*	*610*	*560*	*560*	*460*	--	*112*		*21.9*	<12.5
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	*340*	*540*	*430*	*400*	*330*	--	*14.1*		*13*	<8.3
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	*1,460*	*1,730*	*1,900*	*5,600*	*2,530*	--	*70.6*		*658*	*2,390*
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	*84 J*	*105*	*89*	*123*	*77*	--	*4.6*		*14.4*	*80.5*
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	*11.5 J*	*11.8 J*	*13.4*	*44*	*16*	--	<0.18		*15.3*	*728*
Methylene Chloride	(ug/L)	*0.5*	**5**	<34.5	<13.8	<13.8	<49.5	<30	--	<0.23		<1.2	<5.8
Bromobenzene	(ug/L)	NS	NS	<31	<7.2	<7.2	<22	<8.6	--	<0.23		<1.2	<5.8
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	--	<0.34		<1.7	<8.5
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	<41	<10	<10	<15	<8.2	--	<0.50		<2.5	<12.5
Bromoform	(ug/L)	*0.44*	**4.4**	<15	<7.6	<7.6	<35	<9.2	--	<0.50		<2.5	<12.5
Bromomethane	(ug/L)	*1*	**10**	NR	NR	NR	NR	NR	--	<2.4		<12.2	<60.9
n-Butylbenzene	(ug/L)	NS	NS	<55	<10.4	<10.4	<27.5	<30	--	<0.50		<2.5	<12.5
sec-Butylbenzene	(ug/L)	NS	NS	<38	<7.2	<7.2	<36.5	<8.6	--	<2.2		<10.9	<54.7
tert-Butylbenzene	(ug/L)	NS	NS	<30	<6.8	<6.8	<16	<9.2	--	<0.18		<0.90	<4.5
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	<26	<9.2	<9.2	<15	<8.6	--	<0.50		<2.5	<12.5
Chlorobenzene	(ug/L)	NS	NS	<28	<6.2	<6.2	<19.5	<7.8	--	<0.50		<2.5	<12.5
Chloroethane	(ug/L)	*80*	**400**	<27	<9.4	<9.4	<48.5	<30	--	<0.37		<1.9	<9.4
Chloroform	(ug/L)	*0.6*	**6**	<30.5	<9.6	<9.6	<23.5	<9.6	--	<2.5		<12.5	<62.5
Chloromethane	(ug/L)	3	**30**	<50	<20	<20	<25	<10	--	<0.50		<2.5	<12.5
2-Chlorotoluene	(ug/L)	NS	NS	<55	<9.8	<9.8	<20.5	<7.4	--	<0.50		<2.5	<12.5
4-Chlorotoluene	(ug/L)	NS	NS	<31	<7.6	<7.6	<15	<12.6	--	<0.21		<1.1	<5.3
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	**0.2**	<125	<28	<28	<85	<40	--	<2.2		<10.8	<54.1
Dibromochloromethane	(ug/L)	*6*	**60**	<32.5	<6.4	<6.4	<20	<15.2	--	<0.50		<2.5	<12.5
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	**0.05**	<24.5	<9.8	<9.8	<38	<10.4	--	<0.18		<0.89	<4.4
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	--	<0.43		<2.1	<10.7
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<34.5	<7	<7	<44	<13.2	--	<0.50		<2.5	<12.5
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	<36	<6	<6	<33.5	<6.8	--	<0.50		<2.5	<12.5
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	<34	<6.6	<6.6	<37	<15.4	--	<0.50		<2.5	<12.5
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<25	<9.2	<9.2	<38	<9	--	<0.22		<1.1	<5.6
1,1-Dichloroethane	(ug/L)	*85*	**850**	<28	<11.2	<11.2	<29.5	<8.8	--	<0.24		<1.2	<6.0
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<36	<9	<9	<20.5	<8.6	--	<0.17		<0.84	<4.2
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<15	<12.8	<12.8	<25	*10 J*	--	*0.42 J*		<2.1	*14.5 J*
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	<23.5	<9.4	<9.4	<13.5	<5.2	--	<0.23		<1.2	<5.8
1,3-Dichloropropane	(ug/L)	NS	NS	<33.5	<7.8	<7.8	<20	<9.8	--	<0.50		<2.5	<12.5
2,2-Dichloropropane	(ug/L)	NS	NS	<60	<19.6	<19.6	<26.5	<17.8	--	<0.48		<2.4	<12.1
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	--	<0.44		<2.2	<11.0
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	NR	NR	--	<0.50		<2.5	<12.5
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	NR	NR	--	<0.23		<1.1	<5.7
Diisopropyl ether	(ug/L)	NS	NS	<35.5	<26	<26	<18.5	<6.4	--	<0.50		<2.5	<12.5
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<105	<30	<30	<85	<30	--	<2.1		<10.5	<52.6
Isopropylbenzene	(ug/L)	NS	NS	<49.5	<9.6	<9.6	<30	<7.8	--	<0.14		<0.72	*9.4 J*
p-Isopropyltoluene	(ug/L)	NS	NS	<40.5	<7	<7	<38.5	<11.4	--	<0.50		<2.5	<12.5
n-Propylbenzene	(ug/L)	NS	NS	<30.5	<7.6	<7.6	<27	<6.6	--	<0.50		<2.5	*17.9 J*
Styrene	(ug/L)	*10*	**100**	NR	NR	NR	NR	NR	--	<0.50		<2.5	<12.5
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	**70**	<32.5	<13	<13	<16	<10.8	--	<0.18		<0.90	<4.5
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	**0.2**	<44.5	<15	<15	<25	<11	--	<0.25		<1.2	<6.2
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<70	<32	<32	<80	<32	--	<2.1		<10.7	<53.3
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	<75	<30	<30	<55	<42	--	<2.2		<11.0	<55.2
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<25	<10	<10	<14	<9.2	--	<0.50		<2.5	<12.5
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<25	<10	<10	<19.5	<8.2	--	<0.20		<0.99	<4.9
Trichlorofluoromethane	(ug/L)	NS	NS	<30.5	<12.2	<12.2	<40.5	<14.4	--	<0.18		<0.92	<4.6
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	NR	NR	NR	NR	NR	--	<0.50		<2.5	<12.5

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

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		04/25/16
Groundwater Elevation				682.85	681.25	680.57	681.43	680.57	683.00		682.85
Benzene	(ug/L)	*0.5*	**5**	<0.47	<0.47	<0.47	<0.24	<0.41	<0.50		<0.50
Ethylbenzene	(ug/L)	*140*	**700**	<0.38	<0.38	<0.38	<0.35	<0.87	<0.50		<0.50
Toluene	(ug/L)	*160*	**800**	<0.59	<0.46	<0.46	0.44 J	<0.51	<0.50		<0.50
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<1.1	<0.99	<0.99	<1.67	<2.13	<1.5		<1.50
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<1.0		<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.50		<0.50
Naphthalene	(ug/L)	*10*	**100**	<2.2	<1.8	<1.8	<1.8	<1.7	<2.5		<2.5
MTBE	(ug/L)	*12*	**60**	<0.52	<0.52	<0.52	<0.7	<0.5	<0.17		<0.17
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	<1.2	<1.57	<1.57	<0.74	<2.6	<1.0		<0.50
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.39	<1.2	<1.2	<0.51	<1.1	<0.50		<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<1.2	<0.37	<0.37	<0.23	<1.5	<0.50		<0.50
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	<0.52	<0.52	<0.52	0.53 J	<0.42	<0.50		<0.50
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	<0.44	<0.44	<0.44	<0.47	<0.39	<0.33		<0.33
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<0.68	<0.68	<0.68	<0.44	<0.68	<0.26		<0.26
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<0.95	<0.95	<0.95	<0.61	<0.61	<0.26		<0.26
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<0.17	<0.2	<0.2	<0.2	<0.2	<0.18		<0.18
Methylene Chloride	(ug/L)	*0.5*	**5**	<0.69	<0.69	<0.69	<0.99	<1.5	<0.23		<0.23
Bromobenzene	(ug/L)	NS	NS	<0.62	<0.36	<0.36	<0.44	<0.43	<0.23		<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.34		<0.34
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	<0.82	<0.5	<0.5	<0.3	<0.41	<0.50		<0.50
Bromoform	(ug/L)	*0.44*	**4.4**	<0.3	<0.38	<0.38	<0.7	<0.46	<0.50		<0.50
Bromomethane	(ug/L)	*1*	**10**	NR	NR	NR	NR	NR	<2.4		<2.4
n-Butylbenzene	(ug/L)	NS	NS	<1.1	<0.52	<0.52	<0.55	<1.5	<0.50		<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.76	<0.36	<0.36	<0.73	<0.43	<2.2		<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.6	<0.34	<0.34	<0.32	<0.46	<0.18		<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	<0.52	<0.46	<0.46	<0.3	<0.43	<0.50		<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.56	<0.31	<0.31	<0.39	<0.39	<0.50		<0.50
Chloroethane	(ug/L)	*80*	**400**	<0.54	<0.47	<0.47	<0.97	<1.5	<0.37		<0.37
Chloroform	(ug/L)	*0.6*	**6**	<0.61	<0.48	<0.48	<0.47	<0.48	<2.5		<2.5
Chloromethane	(ug/L)	3	**30**	<1.0	<1	<1	<0.5	<0.5	<0.50		<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<1.1	<0.49	<0.49	<0.41	<0.37	<0.50		<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.62	<0.38	<0.38	<0.3	<0.63	<0.21		<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	**0.2**	<2.5	<1.4	<1.4	<1.7	<2	<2.2		<2.2
Dibromochloromethane	(ug/L)	*6*	**60**	<0.65	<0.32	<0.32	<0.4	<0.76	<0.50		<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	**0.05**	<0.49	<0.49	<0.49	<0.76	<0.52	<0.18		<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.43		<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<0.69	<0.35	<0.35	<0.88	<0.66	<0.50		<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	<0.72	<0.3	<0.3	<0.67	<0.34	<0.50		<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	<0.68	<0.33	<0.33	<0.74	<0.77	<0.50		<0.50
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<0.5	<0.46	<0.46	<0.76	<0.45	<0.22		<0.22
1,1-Dichloroethane	(ug/L)	*85*	**850**	<0.56	<0.56	<0.56	<0.59	<0.44	<0.24		<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<0.72	<0.45	<0.45	<0.41	<0.43	<0.17		<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<0.3	<0.64	<0.64	<0.5	<0.47	<0.41		<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	<0.47	<0.47	<0.47	<0.27	<0.26	<0.23		<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.67	<0.39	<0.39	<0.4	<0.49	<0.50		<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<1.2	<0.98	<0.98	<0.53	<0.89	<0.48		<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<0.44		<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	NR	NR	<0.50		<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	NR	NR	<0.23		<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.71	<1.3	<1.3	<0.37	<0.32	<0.50		<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<2.1	<1.5	<1.5	<1.7	<1.5	<2.1		<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.99	<0.48	<0.48	<0.6	<0.39	<0.14		<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.81	<0.35	<0.35	<0.77	<0.57	<0.50		<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.61	<0.38	<0.38	<0.54	<0.33	<0.50		<0.50
Styrene	(ug/L)	*10*	**100**	NR	NR	NR	NR	NR	<0.50		<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	**70**	<0.65	<0.65	<0.65	<0.32	<0.54	<0.18		<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		<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.4	<1.6	<1.6	<1.6	<1.6	<2.1		<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	<1.5	<1.5	<1.5	<1.1	<2.1	<2.2		<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<0.5	<0.5	<0.5	<0.28	<0.46	<0.50		<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<0.5	<0.5	<0.5	<0.39	<0.41	<0.20		<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.61	<0.61	<0.61	<0.81	<0.72	<0.18		<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	NR	NR	NR	NR	NR	<0.50		<0.50

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

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		04/26/16	10/14/16
Groundwater Elevation				681.81	681.91	682.33	681.61	682.68		682.43	682.24
Benzene	(ug/L)	*0.5*	5	<0.47	<0.47	<0.24	<0.41	<0.50		<0.50	<0.50
Ethylbenzene	(ug/L)	*140*	700	<0.38	<0.38	<0.35	<0.87	<0.50		<0.50	<0.50
Toluene	(ug/L)	*160*	800	<0.46	<0.46	<0.39	<0.51	<0.50		<0.50	<0.50
Xylenes (TOTAL)	(ug/L)	*400*	2,000	<0.99	<0.99	<1.67	<2.13	<1.5		<1.50	<1.50
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	<1.0		<1.0	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	<0.50		<0.50	<0.50
Naphthalene	(ug/L)	*10*	100	<1.8	<1.8	<1.8	<1.7	<2.5		<2.5	<2.5
MTBE	(ug/L)	*12*	60	<0.52	<0.52	<0.7	<0.5	<0.17		<0.17	<0.17
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	480	<1.57	<1.57	<0.74	<2.6	<1.0		<1.0	<1.0
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<1.2	<1.2	<0.51	<1.1	<0.50		<0.50	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.37	<0.37	<0.23	<1.5	<0.50		<0.50	<0.50
Tetrachloroethene (PCE)	(ug/L)	*0.5*	5	*0.72 J*	<0.52	*1.33 J*	*1.94*	*2.8*		*2*	*3.1*
Trichloroethene (TCE)	(ug/L)	*0.5*	5	*0.51 J*	<0.44	<0.47	<0.39	<0.33		<0.33	*0.38 J*
cis-1,2-Dichloroethene	(ug/L)	*7*	70	*7.6*	*1.64 J*	<0.44	<0.68	<0.26		<0.26	<0.26
trans-1,2-Dichloroethene	(ug/L)	*20*	100	<0.95	<0.95	<0.61	<0.61	<0.26		<0.26	<0.26
Vinyl Chloride	(ug/L)	*0.02*	0.2	*0.4 J*	<0.2	<0.2	<0.2	<0.18		<0.18	<0.18
Methylene Chloride	(ug/L)	*0.5*	5	<0.69	<0.69	<0.99	<1.5	<0.23		<0.23	<0.23
Bromobenzene	(ug/L)	NS	NS	<0.36	<0.36	<0.44	<0.43	<0.23		<0.23	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	<0.34		<0.34	<0.34
Bromodichloromethane	(ug/L)	*0.06*	0.6	<0.5	<0.5	<0.3	<0.41	<0.50		<0.50	<0.50
Bromoform	(ug/L)	*0.44*	4.4	<0.38	<0.38	<0.7	<0.46	<0.50		<0.50	<0.50
Bromomethane	(ug/L)	*1*	10	NR	NR	NR	NR	<2.4		<2.4	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<0.52	<0.52	<0.55	<1.5	<0.50		<0.50	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.36	<0.36	<0.73	<0.43	<2.2		<2.2	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.34	<0.34	<0.32	<0.46	<0.18		<0.18	<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	5	<0.46	<0.46	<0.3	<0.43	<0.50		<0.50	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.31	<0.31	<0.39	<0.39	<0.50		<0.50	<0.50
Chloroethane	(ug/L)	*80*	400	<0.47	<0.47	<0.97	<1.5	<0.37		<0.37	<0.37
Chloroform	(ug/L)	*0.6*	6	<0.48	<0.48	<0.47	<0.48	<2.5		<2.5	<2.5
Chloromethane	(ug/L)	3	30	<1	<1	<0.5	<0.5	<0.50		<0.50	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<0.49	<0.49	<0.41	<0.37	<0.50		<0.50	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.38	<0.38	<0.3	<0.63	<0.21		<0.21	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	0.2	<1.4	<1.4	<1.7	<2	<2.2		<2.2	<2.2
Dibromochloromethane	(ug/L)	*6*	60	<0.32	<0.32	<0.4	<0.76	<0.50		<0.50	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	0.05	<0.49	<0.49	<0.76	<0.52	<0.18		<0.18	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	<0.43		<0.43	<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	600	<0.35	<0.35	<0.88	<0.66	<0.50		<0.50	<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	600	<0.3	<0.3	<0.67	<0.34	<0.50		<0.50	<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	75	<0.33	<0.33	<0.74	<0.77	<0.50		<0.50	<0.50
Dichlorodifluoromethane	(ug/L)	*200*	1,000	<0.46	<0.46	<0.76	<0.45	<0.22		<0.22	<0.22
1,1-Dichloroethane	(ug/L)	*85*	850	<0.56	<0.56	<0.59	<0.44	<0.24		<0.24	<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	5	<0.45	<0.45	<0.41	<0.43	<0.17		<0.17	<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	7	<0.64	<0.64	<0.5	<0.47	<0.41		<0.41	<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	5	<0.47	<0.47	<0.27	<0.26	<0.23		<0.23	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.39	<0.39	<0.4	<0.49	<0.50		<0.50	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<0.98	<0.98	<0.53	<0.89	<0.48		<0.48	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	<0.44		<0.44	<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	NR	NR	<0.50		<0.50	<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	NR	NR	<0.23		<0.23	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<1.3	<1.3	<0.37	<0.32	<0.50		<0.50	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<1.5	<1.5	<1.7	<1.5	<2.1		<2.1	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.48	<0.48	<0.6	<0.39	<0.14		<0.14	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.35	<0.35	<0.77	<0.57	<0.50		<0.50	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.38	<0.38	<0.54	<0.33	<0.50		<0.50	<0.50
Styrene	(ug/L)	*10*	100	NR	NR	NR	NR	<0.50		<0.50	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	70	<0.65	<0.65	<0.32	<0.54	<0.18		<0.18	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	0.2	<0.75	<0.75	<0.5	<0.55	<0.25		<0.25	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.6	<1.6	<1.6	<1.6	<2.1		<2.1	<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	70	<1.5	<1.5	<1.1	<2.1	<2.2		<2.2	<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	200	<0.5	<0.5	<0.28	<0.46	<0.50		<0.50	<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	5	<0.5	<0.5	<0.39	<0.41	<0.20		<0.20	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.61	<0.61	<0.81	<0.72	<0.18		<0.18	<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	60	NR	NR	NR	NR	<0.50		<0.50	<0.50

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-7										
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		04/26/16	10/14/16
Groundwater Elevation				681.13	680.41	681.45	680.81	683.43	680.24	681.80	682.34		683.21	682.19
Benzene	(ug/L)	*0.5*	5	*99*	*46 J*	*18 J*	<20.5	<20	<20	<24.5	<20.0		<20.0	<20.0
Ethylbenzene	(ug/L)	*140*	700	*2,750*	*2,070*	*3,500*	*2,960*	*2,490*	*2,570*	*2,760*	*2,400*		*1,580*	*3,140*
Toluene	(ug/L)	*160*	800	*1,460*	*1,800*	*860*	*610*	*400*	*420*	*234*	70.3		36.2 J	88.3
Xylenes (TOTAL)	(ug/L)	*400*	2,000	*14,300*	*9,800*	*15,900*	*12,800*	*11,800*	*11,500*	*12,400*	*11,830*		*6,970*	*13,100*
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	9,050		5,340	9,850
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	2,780		1,630	3,250
Naphthalene	(ug/L)	*10*	100	*188 J*	*109 J*	*400*	*340*	*390*	*360*	*410*	*273*		*120 J*	*340*
MTBE	(ug/L)	*12*	60	<26	<26	<35	<25	<24.5	<24.5	<23.5	<7.0		<7.0	<7.0
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	480	*1,680*	*1,044*	*2,640*	*1,664*	*1,780*	*1,800*	*2,240*	*1,879*		*1,000*	*1,804*
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	1,370	810	2,090	1,360	1,400	1,420	1,730	1,530		808	1,490
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	310	234	550	304	380	380	510	349		192	314
Tetrachloroethene (PCE)	(ug/L)	*0.5*	5	<26	<26	<25	<21	--	--	--	<20.0		<20.0	<20.0
Trichloroethene (TCE)	(ug/L)	*0.5*	5	<22	<22	<23.5	<19.5	--	--	--	<13.2		<13.2	<13.2
cis-1,2-Dichloroethene	(ug/L)	*7*	70	<34	<34	<22	<34	--	--	--	<10.2		<10.2	<10.2
trans-1,2-Dichloroethene	(ug/L)	*20*	100	<47.5	<47.5	<30.5	<30.5	--	--	--	<10.3		<10.3	<10.3
Vinyl Chloride	(ug/L)	*0.02*	0.2	<10	<10	<10	<10	--	--	--	<7.0		<7.0	<7.0
Methylene Chloride	(ug/L)	*0.5*	5	<34.5	<34.5	<49.5	<75	--	--	--	<9.3		<9.3	<9.3
Bromobenzene	(ug/L)	NS	NS	<18	<18	<22	<21.5	--	--	--	<9.2		<9.2	<9.2
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	--	--	--	<13.6		<13.6	<13.6
Bromodichloromethane	(ug/L)	*0.06*	0.6	<25	<25	<15	<20.5	--	--	--	<20.0		<20.0	<20.0
Bromoform	(ug/L)	*0.44*	4.4	<19	<19	<35	<23	--	--	--	<20.0		<20.0	<20.0
Bromomethane	(ug/L)	*1*	10	NR	NR	NR	NR	--	--	--	<97.4		<97.4	<97.4
n-Butylbenzene	(ug/L)	NS	NS	<26	<26	53 J	<75	--	--	--	<20.0		<20.0	<20.0
sec-Butylbenzene	(ug/L)	NS	NS	<18	<18	<36.5	<21.5	--	--	--	<87.4		<87.4	<87.4
tert-Butylbenzene	(ug/L)	NS	NS	<17	<17	<16	<23	--	--	--	<7.2		<7.2	<7.2
Carbon Tetrachloride	(ug/L)	*0.5*	5	<23	<23	<15	<21	--	--	--	<20.0		<20.0	<20.0
Chlorobenzene	(ug/L)	NS	NS	<15.5	<15.5	<19.5	<19.5	--	--	--	<20.0		<20.0	<20.0
Chloroethane	(ug/L)	*80*	400	<23.5	<23.5	<48.5	<75	--	--	--	<15.0		<15.0	<15.0
Chloroform	(ug/L)	*0.6*	6	<24	<24	<23.5	<24	--	--	--	<100		<100	<100
Chloromethane	(ug/L)	3	30	<50	<50	<25	<25	--	--	--	<20.0		<20.0	<20.0
2-Chlorotoluene	(ug/L)	NS	NS	<24.5	<24.5	<20.5	<18.5	--	--	--	<20.0		<20.0	<20.0
4-Chlorotoluene	(ug/L)	NS	NS	<19	<19	<15	<31.5	--	--	--	<8.5		<8.5	<8.5
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	0.2	<70	<70	<85	<100	--	--	--	<86.6		<86.6	<86.6
Dibromochloromethane	(ug/L)	*6*	60	<16	<16	<20	<38	--	--	--	<20.0		<20.0	<20.0
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	0.05	<24.5	<24.5	<38	<26	--	--	--	<7.1		<7.1	<7.1
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	--	--	--	<17.1		<17.1	<17.1
1,2-Dichlorobenzene	(ug/L)	*60*	600	<17.5	<17.5	<44	<33	--	--	--	<20.0		<20.0	<20.0
1,3-Dichlorobenzene	(ug/L)	*120*	600	<15	<15	<33.5	<17	--	--	--	<20.0		<20.0	<20.0
1,4-Dichlorobenzene	(ug/L)	*15*	75	<16.5	<16.5	<37	<38.5	--	--	--	<20.0		<20.0	<20.0
Dichlorodifluoromethane	(ug/L)	*200*	1,000	<23	<23	<38	<22.5	--	--	--	<9.0		<9.0	<9.0
1,1-Dichloroethane	(ug/L)	*85*	850	<28	<28	<29.5	<22	--	--	--	<9.7		<9.7	<9.7
1,2-Dichloroethane	(ug/L)	*0.5*	5	<22.5	<22.5	<20.5	<21.5	--	--	--	<6.7		<6.7	<6.7
1,1-Dichloroethene	(ug/L)	*0.7*	7	<32	<32	<25	<23.5	--	--	--	<16.4		<16.4	<16.4
1,2-Dichloropropane	(ug/L)	*0.5*	5	<23.5	<23.5	<13.5	<13	--	--	--	<9.3		<9.3	<9.3
1,3-Dichloropropane	(ug/L)	NS	NS	<19.5	<19.5	<20	<24.5	--	--	--	<20.0		<20.0	<20.0
2,2-Dichloropropane	(ug/L)	NS	NS	<49	<49	<26.5	<44.5	--	--	--	<19.4		<19.4	<19.4
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	--	--	--	<17.6		<17.6	<17.6
cis-1,3-Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	NR	NR	--	--	--	<20.0		<20.0	<20.0
trans-1,3Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	NR	NR	--	--	--	<9.2		<9.2	<9.2
Diisopropyl ether	(ug/L)	NS	NS	<65	<65	<18.5	<16	--	--	--	<20.0		<20.0	<20.0
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<75	<75	<85	<75	--	--	--	<84.2		<84.2	<84.2
Isopropylbenzene	(ug/L)	NS	NS	57 J	48 J	108	75	--	--	--	49.7		46.9	80.9
p-Isopropyltoluene	(ug/L)	NS	NS	<17.5	<17.5	<38.5	<28.5	--	--	--	<20.0		<20.0	<20.0
n-Propylbenzene	(ug/L)	NS	NS	121	110	300	220	--	--	--	119		105	204
Styrene	(ug/L)	*10*	100	NR	NR	NR	NR	--	--	--	<20.0		<20.0	<20.0
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	70	<32.5	<32.5	<16	<27	--	--	--	<7.2		<7.2	<7.2
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	0.2	<37.5	<37.5	<25	<27.5	--	--	--	<10		<10	<10
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<80	<80	<80	<80	--	--	--	<85.3		<85.3	<85.3
1,2,4-Trichlorobenzene	(ug/L)	*14*	70	<75	<75	<55	<105	--	--	--	<88.4		<88.4	<88.4
1,1,1-Trichlorethane	(ug/L)	*40*	200	<25	<25	<14	<23	--	--	--	<20.0		<20.0	<20.0
1,1,2-Trichlorethane	(ug/L)	*0.5*	5	<25	<25	<19.5	<20.5	--	--	--	<7.9		<7.9	<7.9
Trichlorofluoromethane	(ug/L)	NS	NS	<30.5	<30.5	<40.5	<36	--	--	--	<7.4		<7.4	<7.4
1,2,3-Trichloropropane	(ug/L)	*12*	60	NR	NR	NR	NR	--	--	--	<20.0		<20.0	<20.0

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

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	09/30/15		04/25/16	10/14/16
Groundwater Elevation				679.30	679.08	679.36	678.90	681.62	678.60	679.76	679.97		680.56	679.58
Benzene	(ug/L)	*0.5*	5	***2,560***	***2,050***	***770***	***141***	*0.94 J*	***32***	***6.0***	<0.50		<0.50	*1.0*
Ethylbenzene	(ug/L)	*140*	700	112	95	68	17.6 J	1.34 J	3.5	3.4	<0.50		<0.50	<0.50
Toluene	(ug/L)	*160*	800	*193*	52 J	64	<10.2	1.33 J	3.2	13.3	<0.50		<0.50	1.8
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		<1.50	<1.50
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	<1.0		<1.0	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	<0.50		<0.50	<0.50
Naphthalene	(ug/L)	*10*	100	<90	<90	*90 J*	54 J	<1.2	1.92 J	<2	<2.5		<2.5	<2.5
MTBE	(ug/L)	*12*	60	<26	<26	<35	<10	<0.49	<0.49	<0.47	<0.17		<0.17	<0.17
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		<1.0	0.65 J
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	880	224	238	39 J	8.8	6.5	17	<0.50		<0.50	0.65 J
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	262	70	81	<30	5.4	<0.73	1.74 J	<0.50		<0.50	<0.50
Tetrachloroethene (PCE)	(ug/L)	*0.5*	5	<26	<26	<25	<8.4	--	--	--	<0.50		<0.50	<0.50
Trichloroethene (TCE)	(ug/L)	*0.5*	5	<22	<22	<23.5	<7.8	--	--	--	<0.33		*0.53 J*	0.39 J
cis-1,2-Dichloroethene	(ug/L)	*7*	70	<34	<34	<22	<13.6	--	--	--	2.0		2.3	0.57 J
trans-1,2-Dichloroethene	(ug/L)	*20*	100	<47.5	<47.5	<30.5	<12.2	--	--	--	<0.26		<0.26	<0.26
Vinyl Chloride	(ug/L)	*0.02*	0.2	<10	<10	<10	<4	--	--	--	<0.18		<0.18	<0.18
Methylene Chloride	(ug/L)	*0.5*	5	<34.5	<34.5	<49.5	<30	--	--	--	<0.23		<0.23	<0.23
Bromobenzene	(ug/L)	NS	NS	<18	<18	<22	<8.6	--	--	--	<0.23		<0.23	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	--	--	--	<0.34		<0.34	<0.34
Bromodichloromethane	(ug/L)	*0.06*	0.6	<25	<25	<15	<8.2	--	--	--	<0.50		<0.50	<0.50
Bromoform	(ug/L)	*0.44*	4.4	<19	<19	<35	<9.2	--	--	--	<0.50		<0.50	<0.50
Bromomethane	(ug/L)	*1*	10	NR	NR	NR	NR	--	--	--	<2.4		<2.4	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<26	<26	<27.5	<30	--	--	--	<0.50		<0.50	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<18	<18	<36.5	<8.6	--	--		<2.2		<2.2	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<17	<17	<16	<9.2	--	--	--	<0.18		<0.18	<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	5	<23	<23	<15	<8.6	--	--	--	<0.50		<0.50	<0.50
Chlorobenzene	(ug/L)	NS	NS	<15.5	<15.5	<19.5	<7.8	--	--	--	<0.50		<0.50	<0.50
Chloroethane	(ug/L)	*80*	400	<23.5	<23.5	<48.5	<30	--	--	--	<0.37		<0.37	<0.37
Chloroform	(ug/L)	*0.6*	6	<24	<24	<23.5	<9.6	--	--	--	<2.5		<2.5	<2.5
Chloromethane	(ug/L)	3	30	<50	<50	<25	<10	--	--	--	<0.50		<0.50	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<24.5	<24.5	<20.5	<7.4	--	--	--	<0.50		<0.50	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<19	<19	<15	<12.6	--	--	--	<0.21		<0.21	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	0.2	<70	<70	<85	<40	--	--	--	<2.2		<2.2	<2.2
Dibromochloromethane	(ug/L)	*6*	60	<16	<16	<20	<15.2	--	--	--	<0.50		<0.50	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	0.05	<24.5	<24.5	<38	<10.4	--	--	--	<0.18		<0.18	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	--	--	--	<0.43		<0.43	<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	600	<17.5	<17.5	<44	<13.2	--	--	--	<0.50		<0.50	<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	600	<15	<15	<33.5	<6.8	--	--	--	<0.50		<0.50	<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	75	<16.5	<16.5	<37	<15.4	--	--	--	<0.50		<0.50	<0.50
Dichlorodifluoromethane	(ug/L)	*200*	1,000	<23	<23	<38	<9	--	--	--	<0.22		<0.22	<0.22
1,1-Dichloroethane	(ug/L)	*85*	850	<28	<28	<29.5	<8.8	--	--	--	<0.24		<0.24	<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	5	<22.5	<22.5	<20.5	<8.6	--	--	--	<0.17		<0.17	<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	7	<32	<32	<25	<9.4	--	--	--	<0.41		<0.41	<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	5	<23.5	<23.5	<13.5	<5.2	--	--	--	<0.23		<0.23	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<19.5	<19.5	<20	<9.8	--	--	--	<0.50		<0.50	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<49	<49	<26.5	<17.8	--	--	--	<0.48		<0.48	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	--	--	--	<0.44		<0.44	<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	NR	NR	--	--	--	<0.50		<0.50	<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	NR	NR	--	--	--	<0.23		<0.23	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<65	<65	<18.5	<6.4	--	--	--	<0.50		<0.50	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<75	<75	<85	<30	--	--	--	<2.1		<2.1	<2.1
Isopropylbenzene	(ug/L)	NS	NS	60 "J"	<24	<30	<7.8	--	--	--	<0.14		<0.14	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<17.5	<17.5	<38.5	<11.4	--	--	--	<0.50		<0.50	<0.50
n-Propylbenzene	(ug/L)	NS	NS	94	44 "J"	64 "J"	<6.6	--	--	--	<0.50		<0.50	<0.50
Styrene	(ug/L)	*10*	100	NR	NR	NR	NR	--	--	--	<0.50		<0.50	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	70	<32.5	<32.5	<16	<10.8	--	--	--	<0.18		<0.18	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	0.2	<37.5	<37.5	<25	<11	--	--	--	<0.25		<0.25	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<80	<80	<80	<32	--	--	--	<2.1		<2.1	<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	70	<75	<75	<55	<42	--	--	--	<2.2		<2.2	<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	200	<25	<25	<14	<9.2	--	--	--	<0.50		<0.50	<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	5	<25	<25	<19.5	<8.2	--	--	--	<0.20		<0.20	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<30.5	<30.5	<40.5	<14.4	--	--	--	<0.18		<0.18	<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	60	NR	NR	NR	NR	--	--	--	<0.50		<0.50	<0.50

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

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		04/26/16	10/14/16
Groundwater Elevation				678.95	678.85	679.39	678.60	679.08	680.47		680.35	678.90
Benzene	(ug/L)	*0.5*	**5**	<23.5	<235	<120	<82	*42 J*	<500		<100	<125
Ethylbenzene	(ug/L)	*140*	**700**	*279*	<190	<175	*226 J*	*64 J*	<500		*179 J*	*176 J*
Toluene	(ug/L)	*160*	**800**	<23	<230	<195	<102	92	<500		<100	<125
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	90 J	<485	<835	<426	<55	<1,500		<300	<375
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<1,000		<200	<250
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<500		<100	<125
Naphthalene	(ug/L)	*10*	**100**	<90	<900	<900	<340	<105	<2,500		<500	<625
MTBE	(ug/L)	*12*	**60**	<26	<260	<350	<100	<40	<174		<34.8	<43.6
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	*403*	<785	<335	<520	<40	<1,000		<200	<250
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	147 J	<600	<225	<220	<40	<500		<100	<125
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	256	<185	<115	<300	<37	<500		<100	<125
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	***39,800***	***28,800***	***44,000***	***162,000***	***23,000***	***81,800***		***14,100***	***369***
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	***8,100***	***6,200***	***4,000***	***5,000***	***2,860***	***1,190***		***1,710***	<82.7
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	***6,000***	***7,900***	***6,500***	***7,700***	***6,100***	***1,480***		***47,000***	***43,300***
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	*175*	<475	<305	*218 J*	*297*	<257		*180 J*	*149 J*
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	*58*	*255 J*	*185 J*	*258*	*146*	<176		***2,110***	***9,770***
Methylene Chloride	(ug/L)	*0.5*	**5**	<34.5	<345	<495	<300	<55	<233		<46.5	<58.1
Bromobenzene	(ug/L)	NS	NS	<18	<180	<220	<86	<37	<230		<46.0	<57.5
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<340		<68.1	<85.1
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	<25	<250	<150	<82	<34	<500		<100	<125
Bromoform	(ug/L)	*0.44*	**4.4**	<19	<190	<350	<92	<21.5	<500		<100	<125
Bromomethane	(ug/L)	*1*	**10**	NR	NR	NR	NR	NR	<2,430		<487	<609
n-Butylbenzene	(ug/L)	NS	NS	34 J	<260	<275	<300	<45	<500		<100	<125
sec-Butylbenzene	(ug/L)	NS	NS	<18	<180	<365	<86	<50	<2,190		<437	<547
tert-Butylbenzene	(ug/L)	NS	NS	<17	<170	<160	<92	<35.5	<180		<36.1	<45.1
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	<23	<230	<150	<86	<23.5	<500		<100	<125
Chlorobenzene	(ug/L)	NS	NS	<15.5	<155	<195	<78	<25.5	<500		<100	<125
Chloroethane	(ug/L)	*80*	**400**	<23.5	<235	<485	<300	<70	<375		<74.9	<93.6
Chloroform	(ug/L)	*0.6*	**6**	<24	<240	<235	<96	<24.5	<2,500		<500	<625
Chloromethane	(ug/L)	3	**30**	<50	<500	<250	<100	<95	<500		<100	<125
2-Chlorotoluene	(ug/L)	NS	NS	<24.5	<245	<205	<74	<35	<500		<100	<125
4-Chlorotoluene	(ug/L)	NS	NS	<19	<190	<150	<126	<22	<214		<42.7	<53.4
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	**0.2**	<70	<700	<850	<400	<140	<2,160		<433	<541
Dibromochloromethane	(ug/L)	*6*	**60**	<16	<160	<200	<152	<27.5	<500		<100	<125
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	**0.05**	<24.5	<245	<380	<104	<31.5	<178		<35.6	<44.4
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<427		<85.3	<107
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<17.5	<175	<440	<132	<38	<500		<100	<125
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	<15	<150	<35	<68	<43.5	<500		<100	<125
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	<16.5	<165	<370	<154	<49	<500		<100	<125
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<23	<230	<380	<90	<90	<224		<44.8	<56.0
1,1-Dichloroethane	(ug/L)	*85*	**850**	<28	<280	<295	<88	<49	<242		<48.3	<60.4
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<22.5	<225	<205	<86	<25	<168		<33.6	<42.0
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<32	<320	<250	<94	<30	<410		*352*	*347*
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	<23.5	<235	<135	<52	<20	<233		<46.6	<58.3
1,3-Dichloropropane	(ug/L)	NS	NS	<19.5	<195	<200	<98	<35.5	<500		<100	<125
2,2-Dichloropropane	(ug/L)	NS	NS	<49	<490	<265	<178	<95	<484		<96.8	<121
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	<441		<88.2	<110
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	NR	NR	<500		<100	<125
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	NR	NR	<230		<45.9	<57.4
Diisopropyl ether	(ug/L)	NS	NS	<65	<650	<185	<64	<34.5	<500		<100	<125
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<75	<750	<850	<300	<110	<2,110		<421	<526
Isopropylbenzene	(ug/L)	NS	NS	100	<240	<300	<78	<46	<143		<28.7	<35.8
p-Isopropyltoluene	(ug/L)	NS	NS	<17.5	<175	<385	<114	<46	<500		<100	<125
n-Propylbenzene	(ug/L)	NS	NS	306	195 J	<270	132 J	52 J	<500		102 J	<125
Styrene	(ug/L)	*10*	**100**	NR	NR	NR	NR	NR	<500		<100	<125
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	**70**	<32.5	<325	<160	<108	<50	<181		<36.1	<45.1
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	**0.2**	<37.5	<375	<250	<110	<26.5	<249		<49.9	<62.3
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<80	<800	<800	<320	<65	<2,130		<427	<533
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	<75	<750	<550	<420	<75	<2,210		<442	<552
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<25	<250	<140	<92	<42.5	<500		<100	<125
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<25	<250	<195	<82	<23.5	<197		<39.5	<49.3
Trichlorofluoromethane	(ug/L)	NS	NS	<30.5	<305	<405	<144	<85	<185		<37.0	<46.2
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	NR	NR	NR	NR	NR	<500		<100	<125

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-10								
Date				09/09/08	08/18/09	07/01/10	10/29/10	01/10/12	09/30/15		04/26/16	10/14/16
Groundwater Elevation				678.23	677.94	680.07	677.51	678.29	678.27		679.57	678.26
Benzene	(ug/L)	*0.5*	5	*24.5 J*	<20.5	<4	*6.1*	*3.6*	<5.0		<1.0	<10.0
Ethylbenzene	(ug/L)	*140*	700	***2,470***	105 J	12 J	*296*	*390*	*326*		19.2	*451*
Toluene	(ug/L)	*160*	800	***1,140***	53 J	37	65	120	65.5		67	*290*
Xylenes (TOTAL)	(ug/L)	*400*	2,000	***8,730***	*699*	90	*770*	*1,237*	*795*		336	*1,422*
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	688		216	1,180
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	107		120	242
Naphthalene	(ug/L)	*10*	100	*312*	<85	<12	*61*	*107*	*54.2*		<5.0	*82.3 J*
MTBE	(ug/L)	*12*	60	<35	<25	<4.9	<0.49	<0.47	<1.7		<0.35	<3.5
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	480	***2,350***	*354*	43.9	*427*	*621*	*486.7*		*226.7*	*649.8*
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	1,880	270	27.2	370	490	454		175	612
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	470	84 J	16.7 J	57	131	32.7		51.7	37.8
Tetrachloroethene (PCE)	(ug/L)	*0.5*	5	***7,700***	***440***	--	--	--	583		*1.0 J*	*242*
Trichloroethene (TCE)	(ug/L)	*0.5*	5	*139*	<19.5	--	--	--	363		*75.7*	*251*
cis-1,2-Dichloroethene	(ug/L)	*7*	70	<22	<34	--	--	--	777		162	***1,430***
trans-1,2-Dichloroethene	(ug/L)	*20*	100	<30.5	<30.5	--	--	--	14.2		<0.51	13.7 J
Vinyl Chloride	(ug/L)	*0.02*	0.2	<10	<10	--	--	--	*37.5*		*2.9*	*50.8*
Methylene Chloride	(ug/L)	*0.5*	5	<49.5	<75	--	--	--	<2.3		<0.47	<4.7
Bromobenzene	(ug/L)	NS	NS	<22	<21.5	--	--	--	<2.3		<0.68	<4.6
Bromochloromethane	(ug/L)	NS	NS	NR	NR	--	--	--	<3.4		<1.0	<6.8
Bromodichloromethane	(ug/L)	*0.06*	0.6	<15	<20.5	--	--	--	<5.0		<1.0	<10.0
Bromoform	(ug/L)	*0.44*	4.4	<35	<23	--	--	--	<5.0		<1.0	<10.0
Bromomethane	(ug/L)	*1*	10	NR	NR	--	--	--	<24.3		<4.9	<48.7
n-Butylbenzene	(ug/L)	NS	NS	66 J	<75	--	--	--	6.1 J		<1.0	<10.0
sec-Butylbenzene	(ug/L)	NS	NS	<36.5	<21.5	--	--	--	<21.9		<4.4	<43.7
tert-Butylbenzene	(ug/L)	NS	NS	<16	<23	--	--	--	<1.8		<0.36	<3.6
Carbon Tetrachloride	(ug/L)	*0.5*	5	<15	<21	--	--	--	<5.0		<1.0	<10.0
Chlorobenzene	(ug/L)	NS	NS	<19.5	<19.5	--	--	--	<5.0		<1.0	<10.0
Chloroethane	(ug/L)	*80*	400	<48.5	<75	--	--	--	<3.7		<0.75	<7.5
Chloroform	(ug/L)	*0.6*	6	<23.5	<24	--	--	--	<25.0		<5.0	<50.0
Chloromethane	(ug/L)	3	30	<25	<25	--	--	--	<5.0		<1.0	<10.0
2-Chlorotoluene	(ug/L)	NS	NS	<20.5	<18.5	--	--	--	<5.0		<1.0	<10.0
4-Chlorotoluene	(ug/L)	NS	NS	<15	<31.5	--	--	--	<2.1		<0.43	<4.3
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	0.2	<85	<100	--	--	--	<21.6		<4.3	<43.3
Dibromochloromethane	(ug/L)	*6*	60	<20	<38	--	--	--	<5.0		<1.0	<10.0
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	0.05	<38	<26	--	--	--	<1.8		<0.36	<3.6
Dibromomethane	(ug/L)	NS	NS	NR	NR	--	--	--	<4.3		<0.85	<8.5
1,2-Dichlorobenzene	(ug/L)	*60*	600	<44	<33	--	--	--	<0.50		<1.0	<10.0
1,3-Dichlorobenzene	(ug/L)	*120*	600	<33.5	<17	--	--	--	<5.0		<1.0	<10.0
1,4-Dichlorobenzene	(ug/L)	*15*	75	<37	<38.5	--	--	--	<5.0		<1.0	<10.0
Dichlorodifluoromethane	(ug/L)	*200*	1,000	<38	<22.5	--	--	--	<2.2		<0.45	<4.5
1,1-Dichloroethane	(ug/L)	*85*	850	<29.5	<22	--	--	--	<2.4		<0.48	<4.8
1,2-Dichloroethane	(ug/L)	*0.5*	5	<20.5	<21.5	--	--	--	<1.7		<0.34	<3.4
1,1-Dichloroethene	(ug/L)	*0.7*	7	<25	<23.5	--	--	--	<4.1		<0.82	*8.8 J*
1,2-Dichloropropane	(ug/L)	*0.5*	5	<13.5	<13	--	--	--	<2.3		<0.47	<4.7
1,3-Dichloropropane	(ug/L)	NS	NS	<20	<24.5	--	--	--	<5.0		<1.0	<10.0
2,2-Dichloropropane	(ug/L)	NS	NS	<26.5	<44.5	--	--	--	<4.8		<0.97	<9.7
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	--	--	--	<4.4		<0.88	<8.8
cis-1,3-Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	--	--	--	<5.0		<1.0	<10.0
trans-1,3Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	--	--	--	<2.3		<0.46	<4.6
Diisopropyl ether	(ug/L)	NS	NS	<18.5	<16	--	--	--	<5.0		<1.0	<10.0
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<85	<75	--	--	--	<21.1		<4.2	<42.1
Isopropylbenzene	(ug/L)	NS	NS	130	20 J	--	--	--	18.8		1.5 J	34.3
p-Isopropyltoluene	(ug/L)	NS	NS	<38.5	<28.5	--	--	--	<5.0		3.2	<10.0
n-Propylbenzene	(ug/L)	NS	NS	360	40 J	--	--	--	40.9		1.7 J	72.9
Styrene	(ug/L)	*10*	100	NR	NR	--	--	--	<5.0		<1.0	<10.0
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	70	<16	<27	--	--	--	<1.8		<0.36	<3.6
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	0.2	<25	<27.5	--	--	--	<2.5		<0.50	<5.0
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<80	<80	--	--	--	<21.3		<4.3	<42.7
1,2,4-Trichlorobenzene	(ug/L)	*14*	70	<55	<105	--	--	--	<22.1		<4.4	<44.2
1,1,1-Trichlorethane	(ug/L)	*40*	200	<14	<23	--	--	--	<5.0		<1.0	<10.0
1,1,2-Trichlorethane	(ug/L)	*0.5*	5	<19.5	<20.5	--	--	--	<2.0		<0.39	<3.9
Trichlorofluoromethane	(ug/L)	NS	NS	<40.5	<36	--	--	--	<1.8		<0.37	<3.7
1,2,3-Trichloropropane	(ug/L)	*12*	60	NR	NR	--	--	--	<5.0		<1.0	<10.0

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-11					
Date				09/09/08	08/18/09	09/30/15		04/26/16	10/14/16
Groundwater Elevation				678.76	678.13	678.46		679.44	678.24
Benzene	(ug/L)	*0.5*	5	<4.8	<8.2	<0.50		<1.2	<1.0
Ethylbenzene	(ug/L)	*140*	700	<7	<17.4	<0.50		<1.2	<1.0
Toluene	(ug/L)	*160*	800	<7.8	<10.2	<0.50		<1.2	<1.0
Xylenes (TOTAL)	(ug/L)	*400*	2,000	<33.4	<42.6	<1.5		<3.7	<3.0
m&p-Xylene	(ug/L)	NS	NS	NR	NR	<1.0		<2.5	<2.0
o-Xylene	(ug/L)	NS	NS	NR	NR	<0.50		<1.2	<1.0
Naphthalene	(ug/L)	*10*	100	<36	<34	<2.5		<6.2	<5.0
MTBE	(ug/L)	*12*	60	<14	<10	<0.17		<0.44	<0.35
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	480	10.6	<52	<1.0		<2.4	<2.0
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	10.6 J	<22	<0.50		<1.2	<1.0
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<4.6	<30	<0.50		<1.2	<1.0
Tetrachloroethene (PCE)	(ug/L)	*0.5*	5	***266***	***205***	***268***		<1.2	***269***
Trichloroethene (TCE)	(ug/L)	*0.5*	5	***220***	***133***	***96.8***		<0.83	***85.5***
cis-1,2-Dichloroethene	(ug/L)	*7*	70	***90***	***57***	***63.6***		***126***	***107***
trans-1,2-Dichloroethene	(ug/L)	*20*	100	<12.2	<12.2	<0.26		*7.1*	*4.0*
Vinyl Chloride	(ug/L)	*0.02*	0.2	<4	<4	***77.0***		***19.1***	***6.5***
Methylene Chloride	(ug/L)	*0.5*	5	<19.8	<30	<0.23		<0.58	<0.47
Bromobenzene	(ug/L)	NS	NS	<8.8	<8.6	<0.23		<0.58	<0.46
Bromochloromethane	(ug/L)	NS	NS	NR	NR	<0.34		<0.85	<0.68
Bromodichloromethane	(ug/L)	*0.06*	0.6	<6	<8.2	<0.50		<1.2	<1.0
Bromoform	(ug/L)	*0.44*	4.4	<14	<9.2	<0.50		<1.2	<1.0
Bromomethane	(ug/L)	*1*	10	NR	NR	<2.4		<6.1	<4.9
n-Butylbenzene	(ug/L)	NS	NS	<11	<30	<0.50		<1.2	<1.0
sec-Butylbenzene	(ug/L)	NS	NS	<14.6	<8.6	<2.2		<5.5	<4.4
tert-Butylbenzene	(ug/L)	NS	NS	<6.4	<9.2	<0.18		<0.45	<0.36
Carbon Tetrachloride	(ug/L)	*0.5*	5	<6	<8.6	<0.50		<1.2	<1.0
Chlorobenzene	(ug/L)	NS	NS	<7.8	<7.8	<0.50		<1.2	<1.0
Chloroethane	(ug/L)	*80*	400	<19.4	<30	<0.37		<0.94	<0.75
Chloroform	(ug/L)	*0.6*	6	<9.4	<9.6	<2.5		<6.2	<5.0
Chloromethane	(ug/L)	3	30	<10	<10	<0.50		<1.2	<1.0
2-Chlorotoluene	(ug/L)	NS	NS	<8.2	<7.4	<0.50		<1.2	<1.0
4-Chlorotoluene	(ug/L)	NS	NS	<6	<12.6	<0.21		<0.53	<0.43
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	0.2	<34	<40	<2.2		<5.4	<4.3
Dibromochloromethane	(ug/L)	*6*	60	<8	<15.2	<0.50		<1.2	<1.0
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	0.05	<15.2	<10.4	<0.18		<0.44	<0.36
Dibromomethane	(ug/L)	NS	NS	NR	NR	<0.43		<1.1	<0.85
1,2-Dichlorobenzene	(ug/L)	*60*	600	<17.6	<13.2	<0.50		<1.2	<1.0
1,3-Dichlorobenzene	(ug/L)	*120*	600	<13.4	<6.8	<0.50		<1.2	<1.0
1,4-Dichlorobenzene	(ug/L)	*15*	75	<14.8	<15.4	<0.50		<1.2	<1.0
Dichlorodifluoromethane	(ug/L)	*200*	1,000	<15.2	<9	<0.22		<0.56	<0.45
1,1-Dichloroethane	(ug/L)	*85*	850	<11.8	<8.8	<0.24		<0.60	<0.48
1,2-Dichloroethane	(ug/L)	*0.5*	5	<8.2	<8.6	<0.17		<0.42	<0.34
1,1-Dichloroethene	(ug/L)	*0.7*	7	<10	<9.4	<0.41		<1.0	<0.82
1,2-Dichloropropane	(ug/L)	*0.5*	5	<5.4	<5.2	<0.23		<0.58	<0.47
1,3-Dichloropropane	(ug/L)	NS	NS	<8	<9.8	<0.50		<1.2	<1.0
2,2-Dichloropropane	(ug/L)	NS	NS	<10.6	<17.8	<0.48		<1.2	<0.97
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	<0.44		<1.1	<0.88
cis-1,3-Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	<0.50		<1.2	<1.0
trans-1,3Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	<0.23		<0.57	<0.46
Diisopropyl ether	(ug/L)	NS	NS	<7.4	<6.4	<0.50		<1.2	<1.0
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<34	<30	<2.1		<5.3	<4.2
Isopropylbenzene	(ug/L)	NS	NS	<12	<7.8	<0.14		<0.36	<0.29
p-Isopropyltoluene	(ug/L)	NS	NS	<15.4	<11.4	<0.50		<1.2	<1.0
n-Propylbenzene	(ug/L)	NS	NS	<10.8	<6.6	<0.50		<1.2	<1.0
Styrene	(ug/L)	*10*	100	NR	NR	<0.50		<1.2	<1.0
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	70	<6.4	<10.8	<0.18		<0.45	<0.36
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	0.2	<10	<11	<0.25		<0.62	<0.50
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<32	<32	<2.1		<5.3	<4.3
1,2,4-Trichlorobenzene	(ug/L)	*14*	70	<22	<42	<2.2		<5.5	<4.4
1,1,1-Trichlorethane	(ug/L)	*40*	200	<5.6	<9.2	<0.50		<1.2	<1.0
1,1,2-Trichlorethane	(ug/L)	*0.5*	5	<7.8	<8.2	<0.20		<0.49	<0.39
Trichlorofluoromethane	(ug/L)	NS	NS	<16.2	<14.4	<0.18		<0.46	<0.37
1,2,3-Trichloropropane	(ug/L)	*12*	60	NR	NR	<0.50		<1.2	<1.0

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-12				
Date				09/09/08	08/18/09	09/30/15		04/26/16
Groundwater Elevation				678.64	677.78	678.38		679.04
Benzene	(ug/L)	*0.5*	5	<0.24	<0.41	<0.50		<0.50
Ethylbenzene	(ug/L)	*140*	700	<0.35	<0.87	<0.50		<0.50
Toluene	(ug/L)	*160*	800	<0.39	<0.51	<0.50		<0.50
Xylenes (TOTAL)	(ug/L)	*400*	2,000	<1.67	<2.13	<1.5		<1.50
m&p-Xylene	(ug/L)	NS	NS	NR	NR	<1.0		<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	<0.50		<0.50
Naphthalene	(ug/L)	*10*	100	<1.8	<1.7	<2.5		<2.5
MTBE	(ug/L)	*12*	60	<0.7	<0.5	<0.17		<0.17
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	480	<0.74	<2.6	<1.0		<0.50
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.51	<1.1	<0.50		<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.23	<1.5	<0.50		<0.50
Tetrachloroethene (PCE)	(ug/L)	*0.5*	5	*0.75 J*	<0.42	<0.50		<0.50
Trichloroethene (TCE)	(ug/L)	*0.5*	5	<0.47	<0.39	<0.33		<0.33
cis-1,2-Dichloroethene	(ug/L)	*7*	70	<0.44	<0.68	1.9		<0.26
trans-1,2-Dichloroethene	(ug/L)	*20*	100	<0.61	<0.61	<0.26		<0.26
Vinyl Chloride	(ug/L)	*0.02*	0.2	*0.59 J*	*1.2*	*5.8*		<0.18
Methylene Chloride	(ug/L)	*0.5*	5	<0.99	<1.5	<0.23		<0.23
Bromobenzene	(ug/L)	NS	NS	<0.44	<0.43	<0.23		<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	<0.34		<0.34
Bromodichloromethane	(ug/L)	*0.06*	0.6	<0.3	<0.41	<0.50		<0.50
Bromoform	(ug/L)	*0.44*	4.4	<0.7	<0.46	<0.50		<0.50
Bromomethane	(ug/L)	*1*	10	NR	NR	<2.4		<2.4
n-Butylbenzene	(ug/L)	NS	NS	<0.55	<1.5	<0.50		<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.73	<0.43	<2.2		<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.32	<0.46	<0.18		<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	5	<0.3	<0.43	<0.50		<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.39	<0.39	<0.50		<0.50
Chloroethane	(ug/L)	*80*	400	<0.97	<1.5	<0.37		<0.37
Chloroform	(ug/L)	*0.6*	6	<0.47	<0.48	<2.5		<2.5
Chloromethane	(ug/L)	3	30	<0.5	<0.5	<0.50		<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<0.41	<0.37	<0.50		<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.3	<0.63	<0.21		<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	0.2	<1.7	<2	<2.2		<2.2
Dibromochloromethane	(ug/L)	*6*	60	<0.4	<0.76	<0.50		<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	0.05	<0.76	<0.52	<0.18		<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	<0.43		<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	600	<0.88	<0.66	<0.50		<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	600	<0.67	<0.34	<0.50		<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	75	<0.74	<0.77	<0.50		<0.50
Dichlorodifluoromethane	(ug/L)	*200*	1,000	<0.76	<0.45	<0.22		<0.22
1,1-Dichloroethane	(ug/L)	*85*	850	<0.59	<0.44	<0.24		<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	5	<0.41	<0.43	<0.17		<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	7	<0.5	<0.47	<0.41		<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	5	<0.27	<0.26	<0.23		<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.4	<0.49	<0.50		<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<0.53	<0.89	<0.48		<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	<0.44		<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	<0.50		<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	<0.23		<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.37	<0.32	<0.50		<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<1.7	<1.5	<2.1		<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.6	<0.39	<0.14		<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.77	<0.57	<0.50		<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.54	<0.33	<0.50		<0.50
Styrene	(ug/L)	*10*	100	NR	NR	<0.50		<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	70	<0.32	<0.54	<0.18		<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	0.2	<0.5	<0.55	<0.25		<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.6	<1.6	<2.1		<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	70	<1.1	<2.1	<2.2		<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	200	<0.28	<0.46	<0.50		<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	5	<0.39	<0.41	<0.20		<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.81	<0.72	<0.18		<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	60	NR	NR	<0.50		<0.50

INJECTION DECEMBER 2015

Notes:
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NR = Not Reported

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BOLD indicates exceedance of NR 140.10 Enforcement Standard

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-13				
Date				08/18/09	01/10/12	09/30/15		04/25/16
Groundwater Elevation				677.63	678.08	678.04		679.00
Benzene	(ug/L)	*0.5*	5	<0.41	<0.5	<0.50		<0.50
Ethylbenzene	(ug/L)	*140*	700	<0.87	<0.78	<0.50		<0.50
Toluene	(ug/L)	*160*	800	<0.51	<0.53	<0.50		<0.50
Xylenes (TOTAL)	(ug/L)	*400*	2,000	<2.13	<1.1	<1.5		<1.50
m&p-Xylene	(ug/L)	NS	NS	NR	NR	<1.0		<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	<0.50		<0.50
Naphthalene	(ug/L)	*10*	100	<1.7	<2.1	<2.5		<2.5
MTBE	(ug/L)	*12*	60	<0.5	<0.8	<0.17		<0.17
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	480	<2.6	<0.8	<1.0		<0.50
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<1.1	<0.8	<0.50		<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<1.5	<0.74	<0.50		<0.50
Tetrachloroethene (PCE)	(ug/L)	*0.5*	5	<0.42	<0.44	<0.50		<0.50
Trichloroethene (TCE)	(ug/L)	*0.5*	5	<0.39	<0.47	<0.33		<0.33
cis-1,2-Dichloroethene	(ug/L)	*7*	70	<0.68	<0.74	<0.26		<0.26
trans-1,2-Dichloroethene	(ug/L)	*20*	100	<0.61	<0.79	<0.26		<0.26
Vinyl Chloride	(ug/L)	*0.02*	0.2	<0.2	<0.18	<0.18		<0.18
Methylene Chloride	(ug/L)	*0.5*	5	<1.5	<1.1	<0.23		<0.23
Bromobenzene	(ug/L)	NS	NS	<0.43	<0.74	<0.23		<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	<0.34		<0.34
Bromodichloromethane	(ug/L)	*0.06*	0.6	<0.41	<0.68	<0.50		<0.50
Bromoform	(ug/L)	*0.44*	4.4	<0.46	<0.43	<0.50		<0.50
Bromomethane	(ug/L)	*1*	10	NR	NR	<2.4		<2.4
n-Butylbenzene	(ug/L)	NS	NS	<1.5	<0.9	<0.50		<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.43	<1	<2.2		<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.46	<0.71	<0.18		<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	5	<0.43	<0.47	<0.50		<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.39	<0.51	<0.50		<0.50
Chloroethane	(ug/L)	*80*	400	<1.5	<1.4	<0.37		<0.37
Chloroform	(ug/L)	*0.6*	6	<0.48	<0.49	<2.5		<2.5
Chloromethane	(ug/L)	3	30	<0.5	<1.9	<0.50		<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<0.37	<0.7	<0.50		<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.63	<0.44	<0.21		<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	0.2	<2	<2.8	<2.2		<2.2
Dibromochloromethane	(ug/L)	*6*	60	<0.76	<0.55	<0.50		<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	0.05	<0.52	<0.63	<0.18		<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	<0.43		<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	600	<0.66	<0.76	<0.50		<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	600	<0.34	<0.87	<0.50		<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	75	<0.77	<0.98	<0.50		<0.50
Dichlorodifluoromethane	(ug/L)	*200*	1,000	<0.45	<1.8	<0.22		<0.22
1,1-Dichloroethane	(ug/L)	*85*	850	<0.44	<0.98	<0.24		<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	5	<0.43	<0.5	<0.17		<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	7	<0.47	<0.6	<0.41		<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	5	<0.26	<0.4	<0.23		<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.49	<0.71	<0.50		<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<0.89	<1.8	<0.48		<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	<0.44		<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	<0.50		<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	<0.23		<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.32	<0.69	<0.50		<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<1.5	<2.2	<2.1		<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.39	<0.92	<0.14		<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.57	<0.92	<0.50		<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.33	<0.59	<0.50		<0.50
Styrene	(ug/L)	*10*	100	NR	NR	<0.50		<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	70	<0.54	<1	<0.18		<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	0.2	<0.55	<0.53	<0.25		<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.6	<1.3	<2.1		<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	70	<2.1	<1.5	<2.2		<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	200	<0.46	<0.85	<0.50		<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	5	<0.41	<0.47	<0.20		<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.72	<1.7	<0.18		<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	60	NR	NR	<0.50		<0.50

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	SMW-14				
Date				08/18/09	09/30/15		04/26/16	10/14/16
Groundwater Elevation				677.27	677.48		678.56	677.41
Benzene	(ug/L)	*0.5*	5	<2.05	<0.50		<1.0	<1.0
Ethylbenzene	(ug/L)	*140*	700	<4.35	<0.50		<1.0	<1.0
Toluene	(ug/L)	*160*	800	<2.55	<0.50		<1.0	<1.0
Xylenes (TOTAL)	(ug/L)	*400*	2,000	<10.65	<1.5		<3.0	<3.0
m&p-Xylene	(ug/L)	NS	NS	NR	<1.0		<2.0	<2.0
o-Xylene	(ug/L)	NS	NS	NR	<0.50		<1.0	<1.0
Naphthalene	(ug/L)	*10*	100	<8.5	<2.5		<5.0	<5.0
MTBE	(ug/L)	*12*	60	<2.5	<0.17		<0.35	<0.35
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	480	<13	<1.0		<2.0	<2.0
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<5.5	<0.50		<1.0	<1.0
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<7.5	<0.50		<1.0	<1.0
Tetrachloroethene (PCE)	(ug/L)	*0.5*	5	<2.1	<0.50		<1.0	<1.0
Trichloroethene (TCE)	(ug/L)	*0.5*	5	<1.95	<0.33		<0.66	<0.66
cis-1,2-Dichloroethene	(ug/L)	*7*	70	***151***	***652***		***282***	***443***
trans-1,2-Dichloroethene	(ug/L)	*20*	100	15.5	*35.4*		14.9	*26.8*
Vinyl Chloride	(ug/L)	*0.02*	0.2	*32*	***38.6***		***22.3***	***178***
Methylene Chloride	(ug/L)	*0.5*	5	<7.5	<0.23		<0.47	<0.47
Bromobenzene	(ug/L)	NS	NS	<2.15	<0.23		<0.46	<0.46
Bromochloromethane	(ug/L)	NS	NS	NR	<0.34		<0.68	<0.68
Bromodichloromethane	(ug/L)	*0.06*	0.6	<2.05	<0.50		<1.0	<1.0
Bromoform	(ug/L)	*0.44*	4.4	<2.3	<0.50		<1.0	<1.0
Bromomethane	(ug/L)	*1*	10	NR	<2.4		<4.9	<4.9
n-Butylbenzene	(ug/L)	NS	NS	<7.5	<0.50		<1.0	<1.0
sec-Butylbenzene	(ug/L)	NS	NS	<2.15	<2.2		<4.4	<4.4
tert-Butylbenzene	(ug/L)	NS	NS	<2.3	<0.18		<0.36	<0.36
Carbon Tetrachloride	(ug/L)	*0.5*	5	<2.15	<0.50		<1.0	<1.0
Chlorobenzene	(ug/L)	NS	NS	<1.95	<0.50		<1.0	<1.0
Chloroethane	(ug/L)	*80*	400	<7.5	<0.37		<0.75	<0.75
Chloroform	(ug/L)	*0.6*	6	<2.4	<2.5		<5.0	<5.0
Chloromethane	(ug/L)	3	30	<2.5	<0.50		<1.0	<1.0
2-Chlorotoluene	(ug/L)	NS	NS	<1.85	<0.50		<1.0	<1.0
4-Chlorotoluene	(ug/L)	NS	NS	<3.15	<0.21		<0.43	<0.43
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	0.2	<10	<2.2		<4.3	<4.3
Dibromochloromethane	(ug/L)	*6*	60	<3.8	<0.50		<1.0	<1.0
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	0.05	<2.6	<0.18		<0.36	<0.36
Dibromomethane	(ug/L)	NS	NS	NR	<0.43		<0.85	<0.85
1,2-Dichlorobenzene	(ug/L)	*60*	600	<3.3	<0.50		<1.0	<1.0
1,3-Dichlorobenzene	(ug/L)	*120*	600	<1.7	<0.50		<1.0	<1.0
1,4-Dichlorobenzene	(ug/L)	*15*	75	<3.85	<0.50		<1.0	<1.0
Dichlorodifluoromethane	(ug/L)	*200*	1,000	<2.25	<0.22		<0.45	<0.45
1,1-Dichloroethane	(ug/L)	*85*	850	<2.2	<0.24		<0.48	<0.48
1,2-Dichloroethane	(ug/L)	*0.5*	5	<2.15	0.49 J		<0.34	<0.34
1,1-Dichloroethene	(ug/L)	*0.7*	7	<2.35	2.6		<0.82	2.7
1,2-Dichloropropane	(ug/L)	*0.5*	5	<1.3	<0.23		<0.47	<0.47
1,3-Dichloropropane	(ug/L)	NS	NS	<2.45	<0.50		<1.0	<1.0
2,2-Dichloropropane	(ug/L)	NS	NS	<4.45	<0.48		<0.97	<0.97
1,1-Dichloropropene	(ug/L)	NS	NS	NR	<0.44		<0.88	<0.88
cis-1,3-Dichloropropene	(ug/L)	*0.04*	0.4	NR	<0.50		<1.0	<1.0
trans-1,3Dichloropropene	(ug/L)	*0.04*	0.4	NR	<0.23		<0.46	<0.46
Diisopropyl ether	(ug/L)	NS	NS	<1.6	<0.50		<1.0	<1.0
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<7.5	<2.1		<4.2	<4.2
Isopropylbenzene	(ug/L)	NS	NS	<1.95	<0.14		<0.29	<0.29
p-Isopropyltoluene	(ug/L)	NS	NS	<2.85	<0.50		<1.0	<1.0
n-Propylbenzene	(ug/L)	NS	NS	<1.65	<0.50		<1.0	<1.0
Styrene	(ug/L)	*10*	100	NR	<0.50		<1.0	<1.0
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	70	<2.7	<0.18		<0.36	<0.36
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	0.2	<2.75	<0.25		<0.50	<0.50
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<8	<2.1		<4.3	<4.3
1,2,4-Trichlorobenzene	(ug/L)	*14*	70	<10.5	<2.2		<4.4	<4.4
1,1,1-Trichlorethane	(ug/L)	*40*	200	<2.3	<0.50		<1.0	<1.0
1,1,2-Trichlorethane	(ug/L)	*0.5*	5	<2.05	<0.20		<0.39	<0.39
Trichlorofluoromethane	(ug/L)	NS	NS	<3.6	<0.18		<0.37	<0.37
1,2,3-Trichloropropane	(ug/L)	*12*	60	NR	<0.50		<1.0	<1.0

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	PZ-1						
Date				12/06/07	09/09/08	08/18/09	09/30/15		04/26/16	10/14/16
Groundwater Elevation				678.96	679.89	668.34	679.68		680.16	679.47
Benzene	(ug/L)	*0.5*	**5**	<0.47	<0.24	<0.41	<0.50		<0.50	<0.50
Ethylbenzene	(ug/L)	*140*	**700**	<0.38	<0.35	<0.87	<0.50		<0.50	<0.50
Toluene	(ug/L)	*160*	**800**	<0.46	<0.39	<0.51	<0.50		<0.50	<0.50
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<0.99	<1.67	<2.13	<1.5		<1.50	<1.50
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	<1.0		<1.0	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	<0.50		<0.50	<0.50
Naphthalene	(ug/L)	*10*	**100**	<1.8	<1.8	<1.7	<2.5		<2.5	<2.5
MTBE	(ug/L)	*12*	**60**	<0.52	<0.7	<0.5	<0.17		<0.17	<0.17
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	**480**	<1.57	<0.74	<2.6	<1.0		<0.50	<1.0
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<1.2	<0.51	<1.1	<0.50		<0.50	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.37	<0.23	<1.5	<0.50		<0.50	<0.50
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	*1.12 J*	*37*	*4.3*	*2.9*		*1.7*	*0.95 J*
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	*0.56 J*	*1.81*	*0.96 J*	<0.33		<0.33	<0.33
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	*8.3*	*9.5*	*7.7*	0.36 J		<0.26	0.60 J
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<0.95	<0.61	<0.61	<0.26		<0.26	<0.26
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	*2.09*	<0.2	<0.2	<0.18		<0.18	<0.18
Methylene Chloride	(ug/L)	*0.5*	**5**	<0.69	<0.99	<1.5	<0.23		<0.23	<0.23
Bromobenzene	(ug/L)	NS	NS	<0.36	<0.44	<0.43	<0.23		<0.23	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	<0.34		<0.34	<0.34
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	<0.5	<0.3	<0.41	<0.50		<0.50	<0.50
Bromoform	(ug/L)	*0.44*	**4.4**	<0.38	<0.7	<0.46	<0.50		<0.50	<0.50
Bromomethane	(ug/L)	*1*	**10**	NR	NR	NR	<2.4		<2.4	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<0.52	<0.55	<1.5	<0.50		<0.50	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.36	<0.73	<0.43	<2.2		<2.2	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.34	<0.32	<0.46	<0.18		<0.18	<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	<0.46	<0.3	<0.43	<0.50		<0.50	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.31	<0.39	<0.39	<0.50		<0.50	<0.50
Chloroethane	(ug/L)	*80*	**400**	<0.47	<0.97	<1.5	<0.37		<0.37	<0.37
Chloroform	(ug/L)	*0.6*	**6**	<0.48	<0.47	<0.48	<2.5		<2.5	<2.5
Chloromethane	(ug/L)	3	**30**	<1	<0.5	<0.5	<0.50		<0.50	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<0.49	<0.41	<0.37	<0.50		<0.50	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.38	<0.3	<0.63	<0.21		<0.21	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	**0.2**	<1.4	<1.7	<2	<2.2		<2.2	<2.2
Dibromochloromethane	(ug/L)	*6*	**60**	<0.32	<0.4	<0.76	<0.50		<0.50	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	**0.05**	<0.49	<0.76	<0.52	<0.18		<0.18	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	<0.43		<0.43	<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<0.35	<0.88	<0.66	<0.50		<0.50	<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	<0.3	<0.67	<0.34	<0.50		<0.50	<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	<0.33	<0.74	<0.77	<0.50		<0.50	<0.50
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<0.46	<0.76	<0.45	<0.22		<0.22	<0.22
1,1-Dichloroethane	(ug/L)	*85*	**850**	<0.56	<0.59	<0.44	<0.24		<0.24	<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<0.45	<0.41	<0.43	<0.17		<0.17	<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<0.64	<0.5	<0.47	<0.41		<0.41	<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	<0.47	<0.27	<0.26	<0.23		<0.23	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.39	<0.4	<0.49	<0.50		<0.50	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<0.98	<0.53	<0.89	<0.48		<0.48	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	<0.44		<0.44	<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	<0.50		<0.50	<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	<0.23		<0.23	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<1.3	<0.37	<0.32	<0.50		<0.50	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<1.5	<1.7	<1.5	<2.1		<2.1	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.48	<0.6	<0.39	<0.14		<0.14	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.35	<0.77	<0.57	<0.50		<0.50	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.38	0.55 J	<0.33	<0.50		<0.50	<0.50
Styrene	(ug/L)	*10*	**100**	NR	NR	NR	<0.50		<0.50	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	**70**	<0.65	<0.32	<0.54	<0.18		<0.18	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	**0.2**	<0.75	<0.5	<0.55	<0.25		<0.25	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.6	<1.6	<1.6	<2.1		<2.1	<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	<1.5	<1.1	<2.1	<2.2		<2.2	<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<0.5	<0.28	<0.46	<0.50		<0.50	<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<0.5	<0.39	<0.41	<0.20		<0.20	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.61	<0.81	<0.72	<0.18		<0.18	<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	NR	NR	NR	<0.50		<0.50	<0.50

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	PZ-2							
Date				09/09/08	08/18/09	07/01/10	10/29/10	09/30/15		04/26/16	10/14/16
Groundwater Elevation				678.11	677.76	678.93	677.52	677.90		678.90	677.84
Benzene	(ug/L)	*0.5*	5	*2.56*	<2.05	<0.4	<0.4	<0.50		<0.50	*1.2*
Ethylbenzene	(ug/L)	*140*	700	<0.35	<4.35	<0.65	<0.65	<0.50		<0.50	<0.50
Toluene	(ug/L)	*160*	800	<0.39	<2.55	<0.86	<0.86	<0.50		<0.50	<0.50
Xylenes (TOTAL)	(ug/L)	*400*	2,000	<1.67	<10.65	<2.15	<2.15	<1.5		<1.50	<1.50
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	<1.0		<1.0	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	<0.50		<0.50	<0.50
Naphthalene	(ug/L)	*10*	100	<1.8	<8.5	<1.2	<1.2	<2.5		<2.5	<2.5
MTBE	(ug/L)	*12*	60	<0.7	<2.5	<0.49	<0.49	<0.17		<0.17	<0.17
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	480	<0.74	<13	<1.49	<1.49	<1.0		<0.50	<1.0
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.51	<5.5	<0.76	<0.76	<0.50		<0.50	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.23	<7.5	<0.73	<0.73	<0.50		<0.50	<0.50
Tetrachloroethene (PCE)	(ug/L)	*0.5*	5	<0.5	<2.1	--	--	<0.50		*4.7*	*0.87 J*
Trichloroethene (TCE)	(ug/L)	*0.5*	5	<0.47	<1.95	--	--	<0.33		<0.33	<0.33
cis-1,2-Dichloroethene	(ug/L)	*7*	70	***148***	***79***	--	--	6.3		*8.4*	*13.4*
trans-1,2-Dichloroethene	(ug/L)	*20*	100	3.06	3.5 J	--	--	<0.26		0.87 J	1.0
Vinyl Chloride	(ug/L)	*0.02*	0.2	***116***	***15.5***	--	--	*2.6*		<0.18	*2.3*
Methylene Chloride	(ug/L)	*0.5*	5	<0.99	<7.5	--	--	<0.23		<0.23	<0.23
Bromobenzene	(ug/L)	NS	NS	<0.44	<2.15	--	--	<0.23		<0.23	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	--	--	<0.34		<0.34	<0.34
Bromodichloromethane	(ug/L)	*0.06*	0.6	<0.3	<2.05	--	--	<0.50		<0.50	<0.50
Bromoform	(ug/L)	*0.44*	4.4	<0.7	<2.3	--	--	<0.50		<0.50	<0.50
Bromomethane	(ug/L)	*1*	10	NR	NR	--	--	<2.4		<2.4	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<0.55	<7.5	--	--	<0.50		<0.50	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.73	<2.15	--	--	<2.2		<2.2	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.32	<2.3	--	--	<0.18		<0.18	<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	5	<0.3	<2.15	--	--	<0.50		<0.50	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.39	<1.95	--	--	<0.50		<0.50	<0.50
Chloroethane	(ug/L)	*80*	400	<0.97	<7.5	--	--	<0.37		<0.37	<0.37
Chloroform	(ug/L)	*0.6*	6	<0.47	<2.4	--	--	<2.5		<2.5	<2.5
Chloromethane	(ug/L)	3	30	<0.5	<2.5	--	--	<0.50		<0.50	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<0.41	<1.85	--	--	<0.50		<0.50	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.3	<3.15	--	--	<0.21		<0.21	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	0.2	<1.7	<10	--	--	<2.2		<2.2	<2.2
Dibromochloromethane	(ug/L)	*6*	60	<0.4	<3.8	--	--	<0.50		<0.50	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	0.05	<0.76	<2.6	--	--	<0.18		<0.18	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	--	--	<0.43		<0.43	<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	600	<0.88	<3.3	--	--	<0.50		<0.50	<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	600	<0.67	<1.7	--	--	<0.50		<0.50	<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	75	<0.74	<3.85	--	--	<0.50		<0.50	<0.50
Dichlorodifluoromethane	(ug/L)	*200*	1,000	<0.76	<2.25	--	--	<0.22		<0.22	<0.22
1,1-Dichloroethane	(ug/L)	*85*	850	<0.59	<2.2	--	--	<0.24		<0.24	<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	5	<0.41	<2.15	--	--	<0.17		<0.17	<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	7	<0.5	<2.35	--	--	<0.41		<0.41	<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	5	<0.27	<1.3	--	--	<0.23		<0.23	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.4	<2.45	--	--	<0.50		<0.50	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<0.53	<4.45	--	--	<0.48		<0.48	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	--	--	<0.44		<0.44	<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	--	--	<0.50		<0.50	<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	0.4	NR	NR	--	--	<0.23		<0.23	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.37	<1.6	--	--	<0.50		<0.50	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<1.7	<7.5	--	--	<2.1		<2.1	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.6	<1.95	--	--	<0.14		<0.14	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.77	<2.85	--	--	<0.50		<0.50	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.54	<1.65	--	--	<0.50		<0.50	<0.50
Styrene	(ug/L)	*10*	100	NR	NR	--	--	<0.50		<0.50	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	70	<0.32	<2.7	--	--	<0.18		<0.18	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	0.2	<0.5	<2.75	--	--	<0.25		<0.25	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.6	<8	--	--	<2.1		<2.1	<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	70	<1.1	<10.5	--	--	<2.2		<2.2	<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	200	<0.28	<2.3	--	--	<0.50		<0.50	<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	5	<0.39	<2.05	--	--	<0.20		<0.20	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.81	<3.6	--	--	<0.18		<0.18	<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	60	NR	NR	--	--	<0.50		<0.50	<0.50

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-1									
Date				02/20/06	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	09/30/15		04/26/16	10/14/16
Groundwater Elevation				97.64	679.56	678.12	678.00	678.60	677.80	678.35		679.15	678.04
Benzene	(ug/L)	*0.5*	**5**	<0.26	<2.35	<0.47	<0.47	<0.24	<0.41	<0.50		<0.50	<0.50
Ethylbenzene	(ug/L)	*140*	**700**	<0.3	<1.9	<0.38	<0.38	<0.35	<0.87	<0.50		<0.50	<0.50
Toluene	(ug/L)	*160*	**800**	<0.52	<2.95	<0.46	<0.46	<0.39	<0.51	<0.50		<0.50	<0.50
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<1.17	<5.5	<0.99	<0.99	<1.67	<2.13	<1.5		<1.50	<1.50
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<1.0		<1.0	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.50		<0.50	<0.50
Naphthalene	(ug/L)	*10*	**100**	<0.85	<11	<1.8	<1.8	<1.8	<1.7	<2.5		<2.5	<2.5
MTBE	(ug/L)	*12*	**60**	<0.36	<2.6	<0.52	<0.52	<0.7	<0.5	<0.17		<0.17	<0.17
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		<0.50	<1.0
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.32	<1.95	<1.2	<1.2	<0.51	<1.1	<0.50		<0.50	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.83	<6.0	<0.37	<0.37	<0.23	<1.5	<0.50		<0.50	<0.50
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	*81*	*48*	*43*	*27.2*	*22.1*	*5*	*6.8*		*4.3*	*2.2*
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	*38*	*36*	*52*	*32*	*9.8*	*5.3*	*12.8*		*6.6*	*3.6*
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	*7.8*	*9.0 J*	*9.7*	*8.2*	2.08	0.77 J	6.0		0.78 J	5.3
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	0.77 J	<4.75	<0.95	<0.95	<0.61	<0.61	<0.26		<0.26	0.33 J
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<0.16	*1.4 J*	*0.79*	*0.38 J*	*1.03*	*0.8*	*0.87 J*		<0.18	*1.3*
Methylene Chloride	(ug/L)	*0.5*	**5**	<0.55	<3.45	<0.69	<0.69	<0.99	<1.5	<0.23		<0.23	<0.23
Bromobenzene	(ug/L)	NS	NS	<0.35	<3.1	<0.36	<0.36	<0.44	<0.43	<0.23		<0.23	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.34		<0.34	<0.34
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	<0.28	<4.1	<0.5	<0.5	<0.3	<0.41	<0.50		<0.50	<0.50
Bromoform	(ug/L)	*0.44*	**4.4**	<0.4	<1.5	<0.38	<0.38	<0.7	<0.46	<0.50		<0.50	<0.50
Bromomethane	(ug/L)	*1*	**10**	NR	NR	NR	NR	NR	NR	<2.4		<2.4	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<0.61	<5.5	<0.52	<0.52	<0.55	<1.5	<0.50		<0.50	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.25	<3.8	<0.36	<0.36	<0.73	<0.43	<2.2		<2.2	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.34	<3.0	<0.34	<0.34	<0.32	<0.46	<0.18		<0.18	<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	<0.25	<2.6	<0.46	<0.46	<0.3	<0.43	<0.50		<0.50	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.26	<2.8	<0.31	<0.31	<0.39	<0.39	<0.50		<0.50	<0.50
Chloroethane	(ug/L)	*80*	**400**	<0.37	<2.7	<0.47	<0.47	<0.97	<1.5	<0.37		<0.37	<0.37
Chloroform	(ug/L)	*0.6*	**6**	<0.78	<3.05	<0.48	<0.48	<0.47	<0.48	<2.5		<2.5	<2.5
Chloromethane	(ug/L)	3	**30**	<1.1	<5.0	<1	<1	<0.5	<0.5	<0.50		<0.50	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<0.42	<5.5	<0.49	<0.49	<0.41	<0.37	<0.50		<0.50	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.24	<3.1	<0.38	<0.38	<0.3	<0.63	<0.21		<0.21	<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		<2.2	<2.2
Dibromochloromethane	(ug/L)	*6*	**60**	<0.74	<3.25	<0.32	<0.32	<0.4	<0.76	<0.50		<0.50	<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		<0.18	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.43		<0.43	<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<0.86	<3.45	<0.35	<0.35	<0.88	<0.66	<0.50		<0.50	<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	<0.64	<3.6	<0.3	<0.3	<0.67	<0.34	<0.50		<0.50	<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	<0.69	<3.4	<0.33	<0.33	<0.74	<0.77	<0.50		<0.50	<0.50
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<0.2	<2.5	<0.46	<0.46	<0.76	<0.45	<0.22		<0.22	<0.22
1,1-Dichloroethane	(ug/L)	*85*	**850**	<0.91	<2.8	<0.56	<0.56	<0.59	<0.44	<0.24		<0.24	<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<0.25	<3.6	<0.45	<0.45	<0.41	<0.43	<0.17		<0.17	<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<0.2	<1.5	<0.64	<0.64	<0.5	<0.47	<0.41		<0.41	<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	<0.37	<2.35	<0.47	<0.47	<0.27	<0.26	<0.23		<0.23	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.4	<3.35	<0.39	<0.39	<0.4	<0.49	<0.50		<0.50	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<0.34	<6.0	<0.98	<0.98	<0.53	<0.89	<0.48		<0.48	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.44		<0.44	<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	NR	NR	NR	<0.50		<0.50	<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	NR	NR	NR	<0.23		<0.23	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.23	<3.55	<1.3	<1.3	<0.37	<0.32	<0.50		<0.50	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<1.6	<10.5	<1.5	<1.5	<1.7	<1.5	<2.1		<2.1	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.56	<4.95	<0.48	<0.48	<0.6	<0.39	<0.14		<0.14	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.5	<4.05	<0.35	<0.35	<0.77	<0.57	<0.50		<0.50	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.56	<3.05	<0.38	<0.38	<0.54	<0.33	<0.50		<0.50	<0.50
Styrene	(ug/L)	*10*	**100**	NR	NR	NR	NR	NR	NR	<0.50		<0.50	<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		<0.18	<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		<0.25	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.6	<7.0	<1.6	<1.6	<1.6	<1.6	<2.1		<2.1	<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	<1.1	<7.5	<1.5	<1.5	<1.1	<2.1	<2.2		<2.2	<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<0.42	<2.5	<0.5	<0.5	<0.28	<0.46	<0.50		<0.50	<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<0.35	<2.5	<0.5	<0.5	<0.39	<0.41	<0.20		<0.20	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.48	<3.05	<0.61	<0.61	<0.81	<0.72	<0.18		<0.18	<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	NR	NR	NR	NR	NR	NR	<0.50		<0.50	<0.50

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

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		04/25/16	10/14/16
Groundwater Elevation				98.34	680.26	679.21	679.09	679.67	678.61	679.34		679.66	678.85
Benzene	(ug/L)	*0.5*	**5**	<0.26	<0.47	<0.47	<0.47	<0.24	<0.41	<0.50		<0.50	<0.50
Ethylbenzene	(ug/L)	*140*	**700**	<0.3	<0.38	<0.38	<0.38	<0.35	<0.87	<0.50		<0.50	<0.50
Toluene	(ug/L)	*160*	**800**	<0.52	<0.59	<0.46	<0.46	<0.39	<0.51	<0.50		<0.50	<0.50
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<1.17	<1.1	<0.99	<0.99	<1.67	<2.13	<1.5		<1.50	<1.50
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<1.0		<1.0	<1.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.50		<0.50	<0.50
Naphthalene	(ug/L)	*10*	**100**	<0.85	<2.2	<1.8	<1.8	<1.8	<1.7	<2.5		<2.5	<2.5
MTBE	(ug/L)	*12*	**60**	<0.36	<0.52	<0.52	<0.52	<0.7	<0.5	<0.17		<0.17	<0.17
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		<0.50	<1.0
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.32	<0.39	<1.2	<1.2	<0.51	<1.1	<0.50		<0.50	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.83	<1.2	<0.37	<0.37	<0.23	<1.5	<0.50		<0.50	<0.50
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	<0.45	*3.5*	*1.38 J*	*2.75*	*15.1*	*2.03*	*0.95 J*		<0.50	*1.7*
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	<0.37	*1.38 J*	0.45 J	*1.71*	*1.62*	*1.58*	<0.33		*0.59 J*	*0.37 J*
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	<0.27	<0.68	<0.68	<0.68	0.46 J	<0.68	0.26 J		<0.26	<0.26
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	<0.4	<0.95	<0.95	<0.95	<0.61	<0.61	<0.26		<0.26	<0.26
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	<0.16	<0.17	<0.2	<0.2	<0.2	<0.2	<0.18		<0.18	<0.18
Methylene Chloride	(ug/L)	*0.5*	**5**	<0.55	<0.69	<0.69	<0.69	<0.99	<1.5	<0.23		<0.23	<0.23
Bromobenzene	(ug/L)	NS	NS	<0.35	<0.62	<0.36	<0.36	<0.44	<0.43	<0.23		<0.23	<0.23
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.34		<0.34	<0.34
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	<0.28	<0.82	<0.5	<0.5	<0.3	<0.41	<0.50		<0.50	<0.50
Bromoform	(ug/L)	*0.44*	**4.4**	<0.4	<0.3	<0.38	<0.38	<0.7	<0.46	<0.50		<0.50	<0.50
Bromomethane	(ug/L)	*1*	**10**	NR	NR	NR	NR	NR	NR	<2.4		<2.4	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<0.61	<1.1	<0.52	<0.52	<0.55	<1.5	<0.50		<0.50	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.25	<0.76	<0.36	<0.36	<0.73	<0.43	<2.2		<2.2	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<0.34	<0.6	<0.34	<0.34	<0.32	<0.46	<0.18		<0.18	<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	<0.25	<0.52	<0.46	<0.46	<0.3	<0.43	<0.50		<0.50	<0.50
Chlorobenzene	(ug/L)	NS	NS	<0.26	<0.56	<0.31	<0.31	<0.39	<0.39	<0.50		<0.50	<0.50
Chloroethane	(ug/L)	*80*	**400**	<0.37	<0.54	<0.47	<0.47	<0.97	<1.5	<0.37		<0.37	<0.37
Chloroform	(ug/L)	*0.6*	**6**	<0.78	<0.61	<0.48	<0.48	<0.47	<0.48	<2.5		<2.5	<2.5
Chloromethane	(ug/L)	3	**30**	<1.1	<1.0	<1	<1	<0.5	<0.5	<0.50		<0.50	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<0.42	<1.1	<0.49	<0.49	<0.41	<0.37	<0.50		<0.50	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<0.24	<0.62	<0.38	<0.38	<0.3	<0.63	<0.21		<0.21	<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		<2.2	<2.2
Dibromochloromethane	(ug/L)	*6*	**60**	<0.74	<0.65	<0.32	<0.32	<0.4	<0.76	<0.50		<0.50	<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		<0.18	<0.18
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.43		<0.43	<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<0.86	<0.69	<0.35	<0.35	<0.88	<0.66	<0.50		<0.50	<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	<0.64	<0.72	<0.3	<0.3	<0.67	<0.34	<0.50		<0.50	<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	<0.69	<0.68	<0.33	<0.33	<0.74	<0.77	<0.50		<0.50	<0.50
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<0.2	<0.5	<0.46	<0.46	<0.76	<0.45	<0.22		<0.22	<0.22
1,1-Dichloroethane	(ug/L)	*85*	**850**	<0.91	<0.56	<0.56	<0.56	<0.59	<0.44	<0.24		<0.24	<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<0.25	<0.72	<0.45	<0.45	<0.41	<0.43	<0.17		<0.17	<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<0.2	<0.3	<0.64	<0.64	<0.5	<0.47	<0.41		<0.41	<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	<0.37	<0.47	<0.47	<0.47	<0.27	<0.26	<0.23		<0.23	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<0.4	<0.67	<0.39	<0.39	<0.4	<0.49	<0.50		<0.50	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<0.34	<1.2	<0.98	<0.98	<0.53	<0.89	<0.48		<0.48	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	<0.44		<0.44	<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	NR	NR	NR	<0.50		<0.50	<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	NR	NR	NR	<0.23		<0.23	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<0.23	<0.71	<1.3	<1.3	<0.37	<0.32	<0.50		<0.50	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<1.6	<2.1	<1.5	<1.5	<1.7	<1.5	<2.1		<2.1	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.56	<0.99	<0.48	<0.48	<0.6	<0.39	<0.14		<0.14	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.5	<0.81	<0.35	<0.35	<0.77	<0.57	<0.50		<0.50	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.56	<0.61	<0.38	<0.38	<0.54	<0.33	<0.50		<0.50	<0.50
Styrene	(ug/L)	*10*	**100**	NR	NR	NR	NR	NR	NR	<0.50		<0.50	<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		<0.18	<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		<0.25	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<1.6	<1.4	<1.6	<1.6	<1.6	<1.6	<2.1		<2.1	<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	<1.1	<1.5	<1.5	<1.5	<1.1	<2.1	<2.2		<2.2	<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<0.42	<0.5	<0.5	<0.5	<0.28	<0.46	<0.50		<0.50	<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<0.35	<0.5	<0.5	<0.5	<0.39	<0.41	<0.20		<0.20	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<0.48	<0.61	<0.61	<0.61	<0.81	<0.72	<0.18		<0.18	<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	NR	NR	NR	NR	NR	NR	<0.50		<0.50	<0.50

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-3										
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		04/26/16	10/14/16
Groundwater Elevation				98.81	681.48	679.93	679.74	679.92	679.49	680.27	681.06		681.02	680.61
Benzene	(ug/L)	*0.5*	**5**	<52	<47	<47	<23.5	<12	<0.41	2.5	*4.0*		<5.0	*3.4*
Ethylbenzene	(ug/L)	*140*	**700**	<60	<38	<38	28.5 J	<17.5	<0.87	9.1	1.4		<5.0	6.7
Toluene	(ug/L)	*160*	**800**	<104	<59	<46	<23	<19.5	<0.51	2.22 J	0.60 J		<5.0	<1.0
Xylenes (TOTAL)	(ug/L)	*400*	**2,000**	<234	<110	<99	<49.5	<83.5	<2.13	13.5 J	<1.5		<15.0	<3.0
m&p-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	<1.0		<10.0	<2.0
o-Xylene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	NR	<0.50		<5.0	<1.0
Naphthalene	(ug/L)	*10*	**100**	<170	<220	<180	<90	<90	<1.7	9.8	<2.5		<25.0	<5.0
MTBE	(ug/L)	*12*	**60**	<72	<52	<52	<26	<35	<0.5	<0.47	<0.17		<1.7	<0.35
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		<10.0	<2.0
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<64	<39	<120	<60	<25.5	<1.1	5.8	<0.50		<5.0	<1.0
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<166	<120	<37	<18.5	<11.5	<1.5	1.95 J	<0.50		<5.0	<1.0
Tetrachloroethene (PCE)	(ug/L)	*0.5*	**5**	*282*	*247*	*198*	*140*	*261*	*158*	--	*240*		<5.0	<1.0
Trichloroethene (TCE)	(ug/L)	*0.5*	**5**	*1,770*	*1,730*	*2,150*	*1,720*	*1,030*	*690*	--	*677*		*4.4 J*	*1.4 J*
cis-1,2-Dichloroethene	(ug/L)	*7*	**70**	*3,800*	*3,090*	*3,700*	*3,400*	*2,560*	*1,790*	--	*1,200*		*436*	*18.3*
trans-1,2-Dichloroethene	(ug/L)	*20*	**100**	*170 J*	<95	<95	*74 J*	*69 J*	*117*	--	*29.4*		10	0.80 J
Vinyl Chloride	(ug/L)	*0.02*	**0.2**	*102 J*	*98*	*320*	*152*	*117*	*55*	--	*90.6*		*480.0*	*43.2*
Methylene Chloride	(ug/L)	*0.5*	**5**	<110	<69	<69	<34.5	<49.5	<1.5	--	<0.23		<2.3	<0.47
Bromobenzene	(ug/L)	NS	NS	<70	<62	<36	<18	<22	<0.43	--	<0.23		<2.3	<0.46
Bromochloromethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	--	<0.34		<3.4	<0.68
Bromodichloromethane	(ug/L)	*0.06*	**0.6**	<56	<82	<50	<25	<15	<0.41	--	<0.50		<5.0	<1.0
Bromoform	(ug/L)	*0.44*	**4.4**	<80	<30	<38	<19	<35	<0.46	--	<0.50		<5.0	<1.0
Bromomethane	(ug/L)	*1*	**10**	NR	NR	NR	NR	NR	NR	--	<2.4		<24.3	<4.9
n-Butylbenzene	(ug/L)	NS	NS	<122	<110	<52	<26	<27.5	<1.5	--	<0.50		<5.0	<1.0
sec-Butylbenzene	(ug/L)	NS	NS	<50	<76	<36	<18	<36.5	<0.43	--	<2.2		<21.9	<4.4
tert-Butylbenzene	(ug/L)	NS	NS	<68	<60	<34	<17	<16	<0.46	--	<0.18		<1.8	<0.36
Carbon Tetrachloride	(ug/L)	*0.5*	**5**	<50	<52	<46	<23	<15	<0.43	--	<0.50		<5.0	<1.0
Chlorobenzene	(ug/L)	NS	NS	<52	<56	<31	<15.5	<19.5	<0.39	--	<0.50		<5.0	<1.0
Chloroethane	(ug/L)	*80*	**400**	<74	<54	<47	<23.5	<48.5	<1.5	--	<0.37		<3.7	<0.75
Chloroform	(ug/L)	*0.6*	**6**	<156	<61	<48	<24	<23.5	<0.48	--	<2.5		<25.0	<5.0
Chloromethane	(ug/L)	3	**30**	<220	<100	<100	<50	<25	<0.5	--	<0.50		<5.0	<1.0
2-Chlorotoluene	(ug/L)	NS	NS	<84	<110	<49	<24.5	<20.5	<0.37	--	<0.50		<5.0	<1.0
4-Chlorotoluene	(ug/L)	NS	NS	<48	<62	<38	<19	<15	<0.63	--	<0.21		<2.1	<0.43
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	**0.2**	<820	<250	<140	<70	<85	<2	--	<2.2		<21.6	<4.3
Dibromochloromethane	(ug/L)	*6*	**60**	<148	<65	<32	<16	<20	<0.76	--	<0.50		<5.0	<1.0
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	**0.05**	<116	<49	<49	<24.5	<38	<0.52	--	<0.18		<1.8	<0.36
Dibromomethane	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	--	<0.43		<4.3	<0.85
1,2-Dichlorobenzene	(ug/L)	*60*	**600**	<172	<69	<35	<17.5	<44	<0.66	--	<0.50		<5.0	<1.0
1,3-Dichlorobenzene	(ug/L)	*120*	**600**	<128	<72	<30	<15	<33.5	<0.34	--	<0.50		<5.0	<1.0
1,4-Dichlorobenzene	(ug/L)	*15*	**75**	<138	<68	<33	<16.5	<37	<0.77	--	<0.50		<5.0	<1.0
Dichlorodifluoromethane	(ug/L)	*200*	**1,000**	<40	<50	<46	<23	<38	<0.45	--	<0.22		<2.2	<0.45
1,1-Dichloroethane	(ug/L)	*85*	**850**	<182	<56	<56	<28	<29.5	<0.44	--	<0.24		<2.4	<0.48
1,2-Dichloroethane	(ug/L)	*0.5*	**5**	<50	<72	<45	<22.5	<20.5	<0.43	--	<0.17		<1.7	<0.34
1,1-Dichloroethene	(ug/L)	*0.7*	**7**	<40	<30	<64	<32	<25	<0.47	--	3.5		<4.1	<0.82
1,2-Dichloropropane	(ug/L)	*0.5*	**5**	<74	<47	<47	<23.5	<13.5	<0.26	--	<0.23		<2.3	<0.47
1,3-Dichloropropane	(ug/L)	NS	NS	<80	<67	<39	<19.5	<20	<0.49	--	<0.50		<5.0	<1.0
2,2-Dichloropropane	(ug/L)	NS	NS	<68	<120	<98	<49	<26.5	<0.89	--	<0.48		<4.8	<0.97
1,1-Dichloropropene	(ug/L)	NS	NS	NR	NR	NR	NR	NR	NR	--	<0.44		<4.4	<0.88
cis-1,3-Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	NR	NR	NR	--	<0.50		<5.0	<1.0
trans-1,3Dichloropropene	(ug/L)	*0.04*	**0.4**	NR	NR	NR	NR	NR	NR	--	<0.23		<2.3	<0.46
Diisopropyl ether	(ug/L)	NS	NS	<46	<71	<130	<65	<18.5	<0.32	--	<0.50		<5.0	<1.0
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<320	<210	<150	<75	<85	<1.5	--	<2.1		<21.1	<4.2
Isopropylbenzene	(ug/L)	NS	NS	<112	<99	<48	<24	<30	<0.39	--	2.2		2.5 J	4.3
p-Isopropyltoluene	(ug/L)	NS	NS	<100	<81	<35	<17.5	<38.5	<0.57	--	<0.50		<5.0	<1.0
n-Propylbenzene	(ug/L)	NS	NS	<112	<61	<38	<19	<27	<0.33	--	0.61 J		<5.0	3.0
Styrene	(ug/L)	*10*	**100**	NR	NR	NR	NR	NR	NR	--	<0.50		<5.0	<1.0
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	**70**	<98	<65	<65	<32.5	<16	<0.54	--	<0.18		<1.8	<0.36
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	**0.2**	<58	<89	<75	<37.5	<25	<0.55	--	<0.25		<2.5	<0.50
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<320	<140	<160	<80	<80	<1.6	--	<2.1		<21.3	<4.3
1,2,4-Trichlorobenzene	(ug/L)	*14*	**70**	<220	<150	<150	<75	<55	<2.1	--	<2.2		<22.1	<4.4
1,1,1-Trichlorethane	(ug/L)	*40*	**200**	<84	<50	<50	<25	<14	<0.46	--	<0.50		<5.0	<1.0
1,1,2-Trichlorethane	(ug/L)	*0.5*	**5**	<70	<50	<50	<25	<19.5	<0.41	--	<0.20		<2.0	<0.39
Trichlorofluoromethane	(ug/L)	NS	NS	<96	<61	<61	<30.5	<40.5	<0.72	--	<0.18		<1.8	<0.37
1,2,3-Trichloropropane	(ug/L)	*12*	**60**	NR	NR	NR	NR	NR	NR	--	<0.50		<5.0	<1.0

INJECTION DECEMBER 2015

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

A.1.I
Groundwater Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	B-101	B-102	B-103	Trip Blank
Date				02/24/16	02/24/16	02/24/16	9/30/15
Groundwater Elevation				NA	NA	NA	NA
Benzene	(ug/L)	*0.5*	5	<12.5	<5.0	<50.0	<0.50
Ethylbenzene	(ug/L)	*140*	700	***749***	*162*	***3,590***	<0.50
Toluene	(ug/L)	*160*	800	*323*	<5.0	***2,490***	<0.50
Xylenes (TOTAL)	(ug/L)	*400*	2,000	***1,804***	280.8	***12,470***	<1.5
m&p-Xylene	(ug/L)	NS	NS	1,590	267	9,770	<1.0
o-Xylene	(ug/L)	NS	NS	214	13.8	2,700	<0.50
Naphthalene	(ug/L)	*10*	100	***144***	***102***	***467 J***	<2.5
MTBE	(ug/L)	*12*	60	<4.4	<1.7	<17.4	<0.17
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	*96*	480	***3,170***	***1,692***	***5,540***	<1.0
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	2,520	1,420	4,310	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	650	272	1,230	<0.50
Tetrachloroethene (PCE)	(ug/L)	*0.5*	5	***57.1***	<5.0	***7,030***	<0.50
Trichloroethene (TCE)	(ug/L)	*0.5*	5	***23.0 J***	<3.3	***1,120***	<0.33
cis-1,2-Dichloroethene	(ug/L)	*7*	70	***210***	<2.6	***4,090***	<0.26
trans-1,2-Dichloroethene	(ug/L)	*20*	100	<6.4	<2.6	<25.7	<0.26
Vinyl Chloride	(ug/L)	*0.02*	0.2	***11.9 J***	<1.8	***99.3 J***	<0.18
Methylene Chloride	(ug/L)	*0.5*	5	<5.8	<2.3	<23.3	<0.23
Bromobenzene	(ug/L)	NS	NS	<5.8	<2.3	<23.0	<0.23
Bromochloromethane	(ug/L)	NS	NS	<8.5	<3.4	<34.0	<0.34
Bromodichloromethane	(ug/L)	*0.06*	0.6	<12.5	<5.0	<50.0	<0.50
Bromoform	(ug/L)	*0.44*	4.4	<12.5	<5.0	<50.0	<0.50
Bromomethane	(ug/L)	*1*	10	<60.9	<24.3	<243	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<12.5	<5.0	222	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<54.7	<21.9	<219	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	<4.5	<1.8	<18.0	<0.18
Carbon Tetrachloride	(ug/L)	*0.5*	5	<12.5	<5.0	<50.0	<0.50
Chlorobenzene	(ug/L)	NS	NS	<12.5	<5.0	<50.0	<0.50
Chloroethane	(ug/L)	*80*	400	<9.4	<3.7	<37.5	<0.37
Chloroform	(ug/L)	*0.6*	6	<62.5	<25.0	<250	<2.5
Chloromethane	(ug/L)	3	30	<12.5	<5.0	<50.0	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	<12.5	<5.0	<50.0	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	<5.3	<2.1	<21.4	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	*0.02*	0.2	<54.1	<21.6	<216	<2.2
Dibromochloromethane	(ug/L)	*6*	60	<12.5	<5.0	<50.0	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	*0.005*	0.05	<4.4	<1.8	<17.8	<0.18
Dibromomethane	(ug/L)	NS	NS	<10.7	<4.3	<42.7	<0.43
1,2-Dichlorobenzene	(ug/L)	*60*	600	<12.5	<5.0	<50.0	<0.50
1,3-Dichlorobenzene	(ug/L)	*120*	600	<12.5	<5.0	<50.0	<0.50
1,4-Dichlorobenzene	(ug/L)	*15*	75	<12.5	<5.0	<50.0	<0.50
Dichlorodifluoromethane	(ug/L)	*200*	1,000	<5.6	<2.2	<22.4	<0.22
1,1-Dichloroethane	(ug/L)	*85*	850	<6.0	<2.4	<24.2	<0.24
1,2-Dichloroethane	(ug/L)	*0.5*	5	<4.2	<1.7	<16.8	<0.17
1,1-Dichloroethene	(ug/L)	*0.7*	7	<10.3	<4.1	<41.0	<0.41
1,2-Dichloropropane	(ug/L)	*0.5*	5	<5.8	<2.3	<23.3	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	<12.5	<5.0	<50.0	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	<12.1	<4.8	<48.4	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	<11.0	<4.4	<44.1	<0.44
cis-1,3-Dichloropropene	(ug/L)	*0.04*	0.4	<12.5	<5.0	<50.0	<0.50
trans-1,3Dichloropropene	(ug/L)	*0.04*	0.4	<5.7	<2.3	<23.0	<0.23
Diisopropyl ether	(ug/L)	NS	NS	<12.5	<5.0	<50.0	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	<52.6	<21.1	<211	<2.1
Isopropylbenzene	(ug/L)	NS	NS	155	105	269	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<12.5	11.0	<50.0	<0.50
n-Propylbenzene	(ug/L)	NS	NS	455	267	885	<0.50
Styrene	(ug/L)	*10*	100	<12.5	<5.0	<50.0	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	*7*	70	<4.5	<1.8	<18.1	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	*0.02*	0.2	<6.2	<2.5	<24.9	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	<53.3	<21.3	<213	<2.1
1,2,4-Trichlorobenzene	(ug/L)	*14*	70	<55.2	<22.1	<221	<2.2
1,1,1-Trichlorethane	(ug/L)	*40*	200	<12.5	<5.0	<50.0	<0.50
1,1,2-Trichlorethane	(ug/L)	*0.5*	5	<4.9	<2.0	<19.7	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	<4.6	<1.8	<18.5	<0.18
1,2,3-Trichloropropane	(ug/L)	*12*	60	<12.5	<5.0	<50.0	<0.50

Notes:
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BOLD indicates exceedance of NR 140.10 Enforcement Standard

TABLE A.2.I
Soil Analytical Results Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		Groundwater Pathway RCL	Non-Industrial Direct-Contact RCL	Inside HA-1		Inside HA-2		B-101 Inside N		B-102 Inside S		B-103 Inside E	
Date				07/31/08	07/31/08	07/31/08	07/31/08	02/10/16	02/10/16	02/10/16	02/10/16	02/10/16	02/10/16
Depth				1-1.5'	4-4.5'	1-1.5'	4.5-5'	1-3'	8.5-10'	1-3'	9-10'	8-9.5'	16-17'
Tetrachloroethene (PCE)	(ug/kg)	*4.54*	**30,700**	*2,600*	*10,900*	*3,000*	*2,320*	*2,140*	*2,870*	*882*	*237*	*8,180*	*9,050*
Trichloroethene (TCE)	(ug/kg)	*3.58*	**1,260**	<20	22.9	<20	<20	<25.0	<25.0	<25.0	<25.0	*65.1 J*	<250
cis-1,2-Dichloroethene	(ug/kg)	*41.2*	**156,000**	<24	<24	<24	<24	<25.0	<25.0	<25.0	<25.0	<25.0	<250
trans-1,2-Dichloroethene	(ug/kg)	*58.8*	**1,560,000**	<29	<29	<29	<29	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Vinyl Chloride	(ug/kg)	*0.138*	**67**	<17	<17	<17	<17	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Methylene Chloride	(ug/kg)	*2.56*	**60,700**	<44	<44	<44	<44	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Benzene	(ug/kg)	*5.12*	**1,490**	<20	<20	<20	<20	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Ethylbenzene	(ug/kg)	*1,570*	**7,470**	<16	<16	<16	<16	<25.0	<25.0	<25.0	<25.0	<25.0	*25,200*
Toluene	(ug/kg)	*1,110*	**818,000**	<23	<23	<23	<23	<25.0	<25.0	<25.0	<25.0	<25.0	*17,800*
Xylenes (TOTAL)	(ug/kg)	*3,940*	**258,000**	<48	<48	<48	<48	<75.0	<75.0	<75.0	<75.0	<75.0	*112,000*
m&p-Xylene	(ug/kg)	NS	**778,000**	NR	NR	NR	NR	<50.0	<50.0	<50.0	<50.0	<50.0	82,300
o-Xylene	(ug/kg)	NS	**434,000**	NR	NR	NR	NR	<25.0	<25.0	<25.0	<25.0	<25.0	29,700
Naphthalene	(ug/kg)	*658*	**5,150**	<117	<117	<117	<117	<40.0	<40.0	<40.0	97.1J	<40.0	*4,210*
MTBE	(ug/kg)	*27*	**59,400**	<23	<23	<23	<23	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/kg)	*1,380*	NS	0.0	0.0	0.0	0.0	<50.0	<50.0	<50.0	646	<50.0	*59,000*
1,2,4-Trimethylbenzene	(ug/kg)	NS	**89,800**	<20	<20	<20	<20	<25.0	<25.0	<25.0	510	<25.0	45,300
1,3,5-Trimethylbenzene	(ug/kg)	NS	**182,000**	<24	<24	<24	<24	<25.0	<25.0	<25.0	136	<25.0	13,700
Bromobenzene	(ug/kg)	NS	**354,000**	<34	<34	<34	<34	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Bromochloromethane	(ug/kg)	NS	**232,000**	NR	NR	NR	NR	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Bromodichloromethane	(ug/kg)	*0.326*	**390**	<16	<16	<16	<16	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Bromoform	(ug/kg)	*2.33*	**61,500**	NR	NR	NR	NR	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Bromomethane	(ug/kg)	*5.06*	**10,300**	NR	NR	NR	NR	<69.9	<69.9	<69.9	<69.9	<69.9	<699
n-Butylbenzene	(ug/kg)	NS	**108,000**	<35	<35	<35	<35	<25.0	<25.0	<25.0	241	<25.0	5,050
sec-Butylbenzene	(ug/kg)	NS	**145,000**	<25	<25	<25	<25	<25.0	<25.0	<25.0	169	<25.0	969
tert-Butylbenzene	(ug/kg)	NS	**183,000**	<23	<23	<23	<23	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Carbon Tetrachloride	(ug/kg)	*3.88*	**854**	<21	<21	<21	<21	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Chlorobenzene	(ug/kg)	NS	**392,000**	<16	<16	<16	<16	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Chloroethane (ethyl chloride)	(ug/kg)	*227*	**2,120,000**	<23	<23	<23	<23	<67.0	<67.0	<67.0	<67.0	<67.0	<670
Chloroform	(ug/kg)	*3.33*	**423**	<50	<50	<50	<50	<46.4	<46.4	<46.4	<46.4	<46.4	<464
Chloromethane	(ug/kg)	*15.5*	**171,000**	<43	<43	<43	<43	<25.0	<25.0	<25.0	<25.0	<25.0	<250
2-Chlorotoluene	(ug/kg)	NS	**907,000**	<31	<31	<31	<31	<25.0	<25.0	<25.0	<25.0	<25.0	<250
4-Chlorotoluene	(ug/kg)	NS	**253,000**	<24	<24	<24	<24	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,2-Dibromo-3-chloropropane	(ug/kg)	*0.173*	**8**	<37	<37	<37	<37	<91.2	<91.2	<91.2	<91.2	<91.2	<912
Dibromochloromethane	(ug/kg)	*32*	**933**	<21	<21	<21	<21	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,2-Dibromoethane (EDB)	(ug/kg)	*0.0282*	**47**	<21	<21	<21	<21	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Dibromomethane	(ug/kg)	NS	**35,000**	NR	NR	NR	NR	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,2-Dichlorobenzene	(ug/kg)	*1,170*	**376,000**	<32	<32	<32	<32	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,3-Dichlorobenzene	(ug/kg)	*1,150*	**297,000**	<41	<41	<41	<41	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,4-Dichlorobenzene	(ug/kg)	*144*	**3,480**	<42	<42	<42	<42	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Dichlorodifluoromethane	(ug/kg)	*3,090*	**135,000**	<33	<33	<33	<33	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,1-Dichloroethane	(ug/kg)	*483*	**4,720**	<22	<22	<22	<22	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,2-Dichloroethane	(ug/kg)	*2.84*	**608**	<24	<24	<24	<24	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,1-Dichloroethene	(ug/kg)	*5.02*	**342,000**	<27	<27	<27	<27	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,2-Dichloropropane	(ug/kg)	*3.32*	**1,330**	<19	<19	<19	<19	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,3-Dichloropropane	(ug/kg)	NS	**1,490,000**	<21	<21	<21	<21	<25.0	<25.0	<25.0	<25.0	<25.0	<250
2,2-Dichloropropane	(ug/kg)	NS	**527,000**	NR	NR	NR	NR	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,1-Dichloropropene	(ug/kg)	NS	NS	NR	NR	NR	NR	<25.0	<25.0	<25.0	<25.0	<25.0	<250
cis-1,3-Dichloropropene	(ug/kg)	*0.286*	**1,220,000**	NR	NR	NR	NR	<25.0	<25.0	<25.0	<25.0	<25.0	<250
trans-1,3-Dichloropropene	(ug/kg)	*0.286*	**1,570,000**	NR	NR	NR	NR	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Diisopropyl ether	(ug/kg)	NS	**2,260,000**	<15	<15	<15	<15	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Hexachloro-1,3-butadiene	(ug/kg)	NS	**6,220**	<50	<50	<50	<50	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Isopropylbenzene	(ug/kg)	NS	**268,000**	<30	<30	<30	<30	<25.0	<25.0	<25.0	147	<25.0	2,440
p-Isopropyltoluene	(ug/kg)	NS	**162,000**	<30	<30	<30	<30	<25.0	<25.0	<25.0	<25.0	<25.0	749
n-Propylbenzene	(ug/kg)	NS	**264,000**	<29	<29	<29	<29	<25.0	<25.0	<25.0	499	<25.0	10,400
Styrene	(ug/kg)	*220*	**867,000**	NR	NR	NR	NR	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,1,1,2-Tetrachloroethane	(ug/kg)	*53.4*	**2,590**	NR	NR	NR	NR	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,1,2,2-Tetrachloroethane	(ug/kg)	*0.156*	**753**	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,2,3-Trichlorobenzene	(ug/kg)	NS	**48,900**	<87	<87	<87	<87	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,2,4-Trichlorobenzene	(ug/kg)	*408*	**22,000**	<53	<53	<53	<53	<47.6	<47.6	<47.6	<47.6	<47.6	<476
1,1,1-Trichlorethane	(ug/kg)	*140*	**640,000**	<27	<27	<27	<27	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,1,2-Trichlorethane	(ug/kg)	*3.24*	**1,480**	<30	<30	<30	<30	<25.0	<25.0	<25.0	<25.0	<25.0	<250
Trichlorofluoromethane	(ug/kg)	NS	**1,120,000**	<16	<16	<16	<16	<25.0	<25.0	<25.0	<25.0	<25.0	<250
1,2,3-Trichloropropane	(ug/kg)	*51.9*	**5**	NR	NR	NR	NR	<25.0	<25.0	<25.0	<25.0	<25.0	<250
No. of Individual Exceedances (DC)				0	--	0	--	0	0	0	--	--	--
Cumulative Hazard Index (DC)				0.0226	--	0.0261	--	0.0186	0.025	0.0077	--	--	--
Cumulative Cancer Risk (DC)				8.5E-08	--	9.8E-08	--	7.0E-08	9.3E-08	2.9E-08	--	--	--

Exceedance Highlights:

BOLD Red font indicates DC RCL exceedance per DNR RCL calculator 7/14/14, and BTV exceedance for metals. ***B1***: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.
Italic font indicates GW RCL Exceedance per DNR RCL calculator 7/14/14. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:

Xylenes reported as total of m-, o-, p-xylenes
NS = No standard established
NA = Not analyzed for parameter
NR = Not Reported

TABLE A.2.I
Soil Analytical Results Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

		Sample ID	Groundwater Pathway RCL	Non-Industrial Direct-Contact RCL	Inside SUMP			B-104 Inside by Sump		B-105 Inside West		B-106		
		Date			02/10/16	02/10/16	2/24/16	01/20/17		01/20/17		01/20/17		
		Depth			W Wall 2.5'	Floor 5.5'	Floor 5.5'	4-5'	8-10'	4-5'	8-10'	3-4'	5-6'	8-10'
					Under Lat.									
Tetrachloroethene (PCE)	(ug/kg)		*4.54*	**30,700**	*37,600*	*3,160,000*	*10,800,000*	*55,600*	*67,500*	*16,100*	<25.0	*340*	<25.0	*1,700*
Trichloroethene (TCE)	(ug/kg)		*3.58*	**1,260**	<125	<12,500	<31,200	*494 J*	*319 J*	*443*	<25.0	<25.0	<25.0	*66.1 J*
cis-1,2-Dichloroethene	(ug/kg)		*41.2*	**156,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
trans-1,2-Dichloroethene	(ug/kg)		*58.8*	**1,560,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Vinyl Chloride	(ug/kg)		*0.138*	**67**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Methylene Chloride	(ug/kg)		*2.56*	**60,700**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Benzene	(ug/kg)		*5.12*	**1,490**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Ethylbenzene	(ug/kg)		*1,570*	**7,470**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Toluene	(ug/kg)		*1,110*	**818,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Xylenes (TOTAL)	(ug/kg)		*3,940*	**258,000**	<375	<37,500	<93,700	<600	<750	<150	<75.0	<75.0	<75.0	<75.0
m&p-Xylene	(ug/kg)		NS	**778,000**	<250	<25,000	<62,500	<400	<500	<100	<50.0	<50.0	<50.0	<50.0
o-Xylene	(ug/kg)		NS	**434,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Naphthalene	(ug/kg)		*658*	**5,150**	<200	<20,000	<50,100	<320	<400	<80.1	<40.0	<40.0	<40.0	<40.0
MTBE	(ug/kg)		*27*	**59,400**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/kg)		*1,380*	NS	222 J	<25,000	<62,400	<400	<500	<100	<50.0	<50.0	<50.0	<50.0
1,2,4-Trimethylbenzene	(ug/kg)		NS	**89,800**	222 J	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	(ug/kg)		NS	**182,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Bromobenzene	(ug/kg)		NS	**354,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Bromochloromethane	(ug/kg)		NS	**232,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Bromodichloromethane	(ug/kg)		*0.326*	**390**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Bromoform	(ug/kg)		*2.33*	**61,500**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Bromomethane	(ug/kg)		*5.06*	**10,300**	<350	<35,000	<87,400	<559	<699	<140	<69.9	<69.9	<69.9	<69.9
n-Butylbenzene	(ug/kg)		NS	**108,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
sec-Butylbenzene	(ug/kg)		NS	**145,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
tert-Butylbenzene	(ug/kg)		NS	**183,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Carbon Tetrachloride	(ug/kg)		*3.88*	**854**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Chlorobenzene	(ug/kg)		NS	**392,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Chloroethane (ethyl chloride)	(ug/kg)		*227*	**2,120,000**	<335	<33,500	<83,800	<536	<670	<134	<67.0	<67.0	<67.0	<67.0
Chloroform	(ug/kg)		*3.33*	**423**	<232	<23,200	<58,100	<372	<464	<92.9	<46.4	<46.4	<46.4	<46.4
Chloromethane	(ug/kg)		*15.5*	**171,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
2-Chlorotoluene	(ug/kg)		NS	**907,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
4-Chlorotoluene	(ug/kg)		NS	**253,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromo-3-chloropropane	(ug/kg)		*0.173*	**8**	<456	<45,600	<114,000	<730	<912	<182	<91.2	<91.2	<91.2	<91.2
Dibromochloromethane	(ug/kg)		*32*	**933**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromoethane (EDB)	(ug/kg)		*0.0282*	*47*	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Dibromomethane	(ug/kg)		NS	**35,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichlorobenzene	(ug/kg)		*1,170*	**376,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichlorobenzene	(ug/kg)		*1,150*	**297,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,4-Dichlorobenzene	(ug/kg)		*144*	**3,480**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Dichlorodifluoromethane	(ug/kg)		*3,090*	**135,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethane	(ug/kg)		*483*	**4,720**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloroethane	(ug/kg)		*2.84*	**608**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethene	(ug/kg)		*5.02*	**342,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloropropane	(ug/kg)		*3.32*	**1,330**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichloropropane	(ug/kg)		NS	**1,490,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
2,2-Dichloropropane	(ug/kg)		NS	**527,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloropropene	(ug/kg)		NS	NS	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
cis-1,3-Dichloropropene	(ug/kg)		*0.286*	**1,220,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
trans-1,3-Dichloropropene	(ug/kg)		*0.286*	**1,570,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Diisopropyl ether	(ug/kg)		NS	**2,260,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Hexachloro-1,3-butadiene	(ug/kg)		NS	**6,220**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Isopropylbenzene	(ug/kg)		NS	**268,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
p-Isopropyltoluene	(ug/kg)		NS	**162,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
n-Propylbenzene	(ug/kg)		NS	**264,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Styrene	(ug/kg)		*220*	**867,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,1,1,2-Tetrachloroethane	(ug/kg)		*53.4*	**2,590**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,1,2,2-Tetrachloroethane	(ug/kg)		*0.156*	**753**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichlorobenzene	(ug/kg)		NS	**48,900**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trichlorobenzene	(ug/kg)		*408*	**22,000**	<238	<23,800	<59,400	<380	<476	<95.1	<47.6	<47.6	<47.6	<47.6
1,1,1-Trichlorethane	(ug/kg)		*140*	**640,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,1,2-Trichlorethane	(ug/kg)		*3.24*	**1,480**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
Trichlorofluoromethane	(ug/kg)		NS	**1,120,000**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichloropropane	(ug/kg)		*51.9*	**5**	<125	<12,500	<31,200	<200	<250	<50.0	<25.0	<25.0	<25.0	<25.0
No. of Individual Exceedances (DC)					1	1								
Cumulative Hazard Index (DC)					0.3294	27.4783								
Cumulative Cancer Risk (DC)					1.2E-06	1.0E-04								

Exceedance Highlights:

BOLD Red font indicates DC RCL exceedance per DNR RCL calculator 7/14/14, and BTV exceedance for metals. ***B1***: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded.
Italic font indicates GW RCL Exceedance per DNR RCL calculator 7/14/14. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:

Xylenes reported as total of m-, o-, p-xylenes
NS = No standard established
NA = Not analyzed for parameter
NR = Not Reported

TABLE A.2.I
Soil Analytical Results Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		Groundwater Pathway RCL	Non-Industrial Direct-Contact RCL	B-107			B-108			B-109			Blank
Date				01/20/17			01/20/17			01/20/17			1/20/17
Depth				3-4'	5-6'	8-10'	3-4'	5-6'	8-10'	3-4'	5-6'	8-10'	--
Tetrachloroethene (PCE)	(ug/kg)	*4.54*	**30,700**	<25.0	<25.0	*349*	<25.0	<25.0	*245*	<25.0	<25.0	<25.0	<25.0
Trichloroethene (TCE)	(ug/kg)	*3.58*	**1,260**	<25.0	<25.0	*42.0 J*	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,2-Dichloroethene	(ug/kg)	*41.2*	**156,000**	<25.0	<25.0	31.0 J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,2-Dichloroethene	(ug/kg)	*58.8*	**1,560,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Vinyl Chloride	(ug/kg)	*0.138*	**67**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Methylene Chloride	(ug/kg)	*2.56*	**60,700**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Benzene	(ug/kg)	*5.12*	**1,490**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Ethylbenzene	(ug/kg)	*1,570*	**7,470**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Toluene	(ug/kg)	*1,110*	**818,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Xylenes (TOTAL)	(ug/kg)	*3,940*	**258,000**	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0
m&p-Xylene	(ug/kg)	NS	**778,000**	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
o-Xylene	(ug/kg)	NS	**434,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Naphthalene	(ug/kg)	*658*	**5,150**	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
MTBE	(ug/kg)	*27*	**59,400**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/kg)	*1,380*	NS	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
1,2,4-Trimethylbenzene	(ug/kg)	NS	**89,800**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	(ug/kg)	NS	**182,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromobenzene	(ug/kg)	NS	**354,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromochloromethane	(ug/kg)	NS	**232,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromodichloromethane	(ug/kg)	*0.326*	**390**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromoform	(ug/kg)	*2.33*	**61,500**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromomethane	(ug/kg)	*5.06*	**10,300**	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9	<69.9
n-Butylbenzene	(ug/kg)	NS	**108,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
sec-Butylbenzene	(ug/kg)	NS	**145,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
tert-Butylbenzene	(ug/kg)	NS	**183,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Carbon Tetrachloride	(ug/kg)	*3.88*	**854**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chlorobenzene	(ug/kg)	NS	**392,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chloroethane (ethyl chloride)	(ug/kg)	*227*	**2,120,000**	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0	<67.0
Chloroform	(ug/kg)	*3.33*	**423**	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4
Chloromethane	(ug/kg)	*15.5*	**171,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2-Chlorotoluene	(ug/kg)	NS	**907,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
4-Chlorotoluene	(ug/kg)	NS	**253,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromo-3-chloropropane	(ug/kg)	*0.173*	**8**	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2	<91.2
Dibromochloromethane	(ug/kg)	*32*	**933**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromoethane (EDB)	(ug/kg)	*0.0282*	**47**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dibromomethane	(ug/kg)	NS	**35,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichlorobenzene	(ug/kg)	*1,170*	**376,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichlorobenzene	(ug/kg)	*1,150*	**297,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,4-Dichlorobenzene	(ug/kg)	*144*	**3,480**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dichlorodifluoromethane	(ug/kg)	*3,090*	**135,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethane	(ug/kg)	*483*	**4,720**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloroethane	(ug/kg)	*2.84*	**608**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethene	(ug/kg)	*5.02*	**342,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloropropane	(ug/kg)	*3.32*	**1,330**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichloropropane	(ug/kg)	NS	**1,490,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2,2-Dichloropropane	(ug/kg)	NS	**527,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloropropene	(ug/kg)	NS	NS	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,3-Dichloropropene	(ug/kg)	*0.286*	**1,220,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,3-Dichloropropene	(ug/kg)	*0.286*	**1,570,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Diisopropyl ether	(ug/kg)	NS	**2,260,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Hexachloro-1,3-butadiene	(ug/kg)	NS	**6,220**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Isopropylbenzene	(ug/kg)	NS	**268,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
p-Isopropyltoluene	(ug/kg)	NS	**162,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
n-Propylbenzene	(ug/kg)	NS	**264,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Styrene	(ug/kg)	*220*	**867,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,1,2-Tetrachloroethane	(ug/kg)	*53.4*	**2,590**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2,2-Tetrachloroethane	(ug/kg)	*0.156*	**753**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichlorobenzene	(ug/kg)	NS	**48,900**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trichlorobenzene	(ug/kg)	*408*	**22,000**	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6	<47.6
1,1,1-Trichlorethane	(ug/kg)	*140*	**640,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2-Trichlorethane	(ug/kg)	*3.24*	**1,480**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trichlorofluoromethane	(ug/kg)	NS	**1,120,000**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichloropropane	(ug/kg)	*51.9*	**5**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
No. of Individual Exceedances (DC)													
Cumulative Hazard Index (DC)													
Cumulative Cancer Risk (DC)													

Exceedance Highlights:

BOLD Red font indicates DC RCL exceedance per DNR RCL calculator 7/14/14, and BTV exceedance for metals. ***B1***: Cumulative exceedance (HI > 1), eventhough no individual DC RCL was exceeded. *Italic* font indicates GW RCL Exceedance per DNR RCL calculator 7/14/14. Groundwater quality (> NR 140 ES) may be affected when GW RCLs are exceeded.

Notes:

Xylenes reported as total of m-, o-, p-xylenes
NS = No standard established
NA = Not analyzed for parameter
NR = Not Reported

TABLE A.6
Water Level Elevations
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Well Identification	SMW-1	SMW-2	SMW-3	SMW-4	SMW-5	SMW-6	SMW-7
Top of Casing Elevation (ft MSL)	691.31	690.76	691.42	691.20	690.53	690.56	691.48
Ground Surface Elevation (ft. MSL)	691.72	691.11	691.83	691.47	690.97	691.06	691.87
Stickup	-0.41	-0.35	-0.41	-0.27	-0.44	-0.50	-0.39

Well Identification	SMW-8	SMW-9	SMW-10	SMW-11	SMW-12	SMW-13	SMW-14
Top of Casing Elevation (ft MSL)	690.51	691.65	690.49	689.04	687.43	688.08	687.27
Ground Surface Elevation (ft. MSL)	690.90	691.99	690.88	689.48	687.80	688.56	688.00
Total Well Depth							
Stickup	-0.39	-0.34	-0.39	-0.44	-0.37	-0.48	-0.73
Screened Elevation (ft MSL)							

Well Identification	PZ-1	PZ-2	MW-1	MW-2	MW-3
Top of Casing Elevation (ft MSL)	691.49	691.22	690.69	690.55	690.85
Ground Surface Elevation (ft. MSL)	691.92	691.52	691.03	690.94	691.18
Total Well Depth					
Stickup	-0.43	-0.30	-0.34	-0.39	-0.33
Screened Elevation (ft MSL)					

	SMW-1			SMW-2			SMW-3		
Sample Date	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl.)
12/12/2006	8.85	9.26	682.46	6.7	7.02	684.09	11.5	11.90	679.93
9/25/2007	9.25	9.66	682.06	7.02	7.37	683.74	12.41	12.82	679.01
12/6/2007	10.39	10.80	680.92	8.84	9.19	681.92	12.46	12.87	678.96
9/9/2008	9.26	9.67	682.05	7.10	7.45	683.66	11.95	12.36	679.47
8/18/2009	9.88	10.29	681.43	7.87	8.22	682.89	12.77	13.18	678.65
6/30/2010	7.33	7.74	683.98	6.53	6.88	684.23	11.30	11.71	680.12
10/29/2010	10.55	10.96	680.76	8.79	9.14	681.97	12.95	13.36	678.47
1/10/2012	9.10	9.51	682.21	7.48	7.83	683.28	12.59	13.00	678.83
9/29/2015	8.28	8.69	683.03	7.49	7.84	683.27	12.28	12.69	679.14
11/30/2015[1]		Not Sampled			Not Sampled		11.18	11.59	680.24
12/4/2015[2]		Not Sampled			Not Sampled		10.96	11.37	680.46
4/25/2016	7.47	7.88	683.84	6.12	6.47	684.64	11.74	12.15	679.68
10/13/2016	8.20	8.61	683.11	6.50	6.85	684.26	12.72	13.13	678.70

	SMW-4			SMW-5			SMW-6		
Sample Date	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl.)
12/12/2006	10.94	11.24	680.23	7.7	8.12	682.85		NOT INSTALLED	
9/25/2007	12.34	12.64	678.83	9.28	9.72	681.25	8.75	9.25	681.81
12/6/2007	12.49	12.76	678.71	9.96	10.40	680.57	8.65	9.15	681.91
9/9/2008	12.23	12.50	678.97	9.10	9.54	681.43	8.23	8.73	682.33
8/18/2009	12.86	13.13	678.34	9.96	10.40	680.57	8.95	9.45	681.61
6/30/2010	10.20	10.47	681.00	8.03	8.47	682.50	7.61	8.11	682.95
10/29/2010	12.98	13.25	678.22	10.23	10.67	680.30	9.10	9.60	681.46
1/10/2012	12.03	12.30	679.17	9.25	9.69	681.28	8.88	9.38	681.68
9/29/2015	9.75	10.02	681.45	7.53	7.97	683.00	7.88	8.38	682.68
11/30/2015[1]	9.22	9.49	681.98		Not Sampled		7.12	7.62	683.44
12/4/2015[2]	10.20	10.47	681.00		Not Sampled		6.37	6.87	684.19
4/25/2016	10.66	10.93	680.54	7.68	8.12	682.85	8.13	8.63	682.43
10/13/2016	12.80	13.07	678.40	8.93	9.37	681.60	8.32	8.82	682.24

	SMW-7			SMW-8			SMW-9		
Sample Date	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl.)	Depth to Water (ft below PVC Lip)	Depth to Water (below grade)	Groundwater Elev. (ft msl.)
9/25/2007	10.4	10.74	681.13	11.21	11.60	679.30	12.7	13.04	678.95
12/6/2007	11.07	11.46	680.41	11.43	11.82	679.08	12.80	13.14	678.85
9/9/2008	10.03	10.42	681.45	11.15	11.54	679.36	12.26	12.60	679.39
8/18/2009	10.67	11.06	680.81	11.61	12.00	678.90	13.05	13.39	678.60
6/30/2010	8.05	8.44	683.43	8.89	9.28	681.62	11.21	11.55	680.44
10/29/2010	11.24	11.63	680.24	11.91	12.30	678.60	13.20	13.54	679.25**
1/10/2012	9.68	10.07	681.80	10.75	11.14	679.76	12.57	12.91	679.08
9/29/2015	9.14	9.53	682.34	10.54	10.93	679.97	11.18	11.52	680.47
11/30/2015[1]	7.20	7.59	684.28	7.96	8.35	682.55	9.97	10.31	681.68
12/4/2015[2]	6.63	7.02	684.85	7.74	8.13	682.77	9.04	9.38	682.61
4/25/2016	8.27	8.66	683.21	9.95	10.34	680.56	11.30	11.64	680.35
10/13/2016	9.29	9.68	682.19	10.93	11.32	679.58	12.75	13.09	678.90

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	INJECTION DEC. 2015	4/26/16	10/14/16	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	INJECTION DEC. 2015	4/26/16	10/14/16
Groundwater Elevation				682.46	682.06	680.92	682.05	681.43	682.21	683.03		683.84	683.11	684.09	683.74	681.92	683.66	682.89	683.28	683.27		684.64	684.26
Notes																							
FIELD PARAMETERS																							
Temperature	C°	NS	NS	10	16	16.3	14.85	16.9	14.0	18.18		10.77	19.34	10.1	16.2	16	16.29	15.3	13.5	20.53		11.41	19.50
Specific Conductivity	mS/cm	NS	NS	NR	NR	NR	NR	NR	NR	10182		7951	8412	NR	NR	NR	NR	NR	NR	1532		1475	1733
Dissolved Oxygen (field)	mg/l	NS	NS	0.24	0.25	0.42	0.42	0.34	0.95	1.70		5.34	1.38	0.38	0.31	0.48	0.40	0.35	1.90	8.01		7.39	1.54
pH		NS	NS	7.00	7.00	7.00	7.15	7.1	7.0	6.12		6.27	6.90	7	7	7	7.31	7.4	7.1	6.87		7.25	7.31
ORP	mV	NS	NS	56.0	-35.0	-34.0	-194.4	2.0	-89.0	-21.8		143.2	-64.3	103.0	123.0	149.0	-22.2	42.0	164.0	194.6		142.1	-40.9
LABORATORY PARAMETERS																							
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**	--	--	--	--	--	*259*	--		--	--	--	--	--	--	--	*68.0*	--		--	--
Sulfate	mg/l	*125*	**250**	--	--	--	--	--	86.1	--		--	--	--	--	--	--	--	57.4	--		--	--
Nitrate/Nitrite	mg/l	2	**10**	--	--	--	--	--	<0.1	--		--	--	--	--	--	--	--	*9.4*	--		--	--
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-4											
Sample Date				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	04/26/16	10/14/16
Groundwater Elevation				680.23	678.83	678.71	678.97	678.34	679.17	681.45		681.98	681.00	680.54	678.40
Notes												(1)	(2)		
FIELD PARAMETERS															
Temperature	C°	NS	NS	10.6	15.4	15.5	13.8	13.5	13.8	16.61		--	--	10.81	15.53
Specific Conductivity	mS/cm	NS	NS	NR	NR	NR	NR	NR	NR	4420		4769	5255	3907	2808
Dissolved Oxygen (field)	mg/l	NS	NS	0.48	0.65	2.22	0.85	0.26	1.00	6.98		2.86	1.36	0.58	0.28
pH		NS	NS	7	7	7	7.83	7	7.2	6.27		6.62	6.22	6.78	6.73
ORP	mV	NS	NS	112.0	121.0	78.0	-29.8	140.0	29.0	214.8		153.2	11.8	-91.5	-88.3
LABORATORY PARAMETERS															
Dissolved Iron	mg/l	*0.15*	**0.3**	0.0	0.0	0.0	0.0	0.0	0.0	--		--	--	--	--
Dissolved Manganese	mg/l	*0.025*	**0.05**	--	--	--	--	--	39.6	--		--	--	--	--
Sulfate	mg/l	*125*	**250**	--	--	--	--	--	33	--		--	--	--	--
Nitrate/Nitrite	mg/l	2	**10**	--	--	--	--	--	2.6	--		--	--	--	--
Methane	ug/l	NS	NS	--	--	--	--	--	--	--		--	--	--	5,390
Ethane	ug/l	NS	NS	--	--	--	--	--	--	--		--	--	--	14.4
Ethene	ug/l	NS	NS	--	--	--	--	--	--	--		--	--	--	305
Total Organic Carbon	mg/l	NS	NS	--	--	--	--	--	--	--		--	--	--	--

INJECTION DEC. 2015

Notes:
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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-6										
Sample Date				09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	INJECTION DEC. 2015	11/30/15	12/04/15	04/26/16	10/14/16
Groundwater Elevation				681.81	681.91	682.23	681.61	681.68	682.68		683.44	684.19	682.43	682.24
Notes											(1)	(2)		
FIELD PARAMETERS														
Temperature	C°	NS	NS	16.7	16.1	15.1	14.9	13.3	17.43		--	--	10.07	17.19
Specific Conductivity	mS/cm	NS	NS	NR	NR	NR	NR	NA	10923		10528	4000	8061	8585
Dissolved Oxygen (field)	mg/l	NS	NS	7.23	0.78	0.62	0.30	3.00	7.69		7.25	2.41	7.07	4.80
pH		NS	NS	7	7	7.39	7.1	7.1	6.27		6.52	6.83	6.65	7.33
ORP	mV	NS	NS	125.0	62.0	-193.8	9.0	20.0	248.0		146.7	98.9	127.8	130.1
LABORATORY PARAMETERS														
Dissolved Iron	mg/l	*0.15*	**0.3**	0.0	0.0	0.0	0.0	0.0	--		--	--	--	--
Dissolved Manganese	mg/l	*0.025*	**0.05**	--	--	--	--	11.4	--		--	--	--	--
Sulfate	mg/l	*125*	**250**	--	--	--	--	57.1	--		--	--	--	--
Nitrate/Nitrite	mg/l	2	10	--	--	--	--	0.2 J	--		--	--	--	--
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				SMW-8												
Sample Date		NR 140 Preventive Action Limit	NR 140 Enforcement Standard	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	04/26/16	10/14/16
Groundwater Elevation				679.30	679.08	679.36	678.90	681.62	678.60	679.76	679.97		682.55	682.77	680.56	679.58
Notes													(1)	(2)		
FIELD PARAMETERS																
Temperature	C°	NS	NS	15.5	15.3	13.96	13.9	12.4	15.8	13.3	16.76		--	--	10.08	16.18
Specific Conductivity	mS/cm	NS	NS	NR	NR	NR	NR	NR	NR	NR	3879		5060	5273	5119	2701
Dissolved Oxygen (field)	mg/l	NS	NS	3.50	0.15	0.53	0.16	4.04	0.33	0.40	7.76		2.08	2.25	3.39	2.10
pH		NS	NS	7	7	7.75	7.7	7	7	7.3	6.56		6.59	6.55	6.51	7.13
ORP	mV	NS	NS	106.0	-58.0	-139.8	-57.0	112.0	26.0	-72.0	73.0		147.2	55.5	50.1	60.5
LABORATORY PARAMETERS																
Dissolved Iron	mg/l	*0.15*	**0.3**	0.0	2.0	9.4	3.0	--	--	4.2	--		--	--	--	--
Dissolved Manganese	mg/l	*0.025*	**0.05**	--	169.5	116.0	--	--	--	316	--		--	--	--	--
Sulfate	mg/l	*125*	**250**	--	22.75	1.82 J	--	--	--	18.8	--		--	--	--	--
Nitrate/Nitrite	mg/l	*2*	**10**	--	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	--	--	--	--	--	--	--	--		--	--	--	--

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-10										SMW-11					
Sample Date				09/09/08	08/18/09	07/01/10	10/29/10	01/10/12	09/30/15	11/30/15	INJECTION DEC. 2015	12/04/15	04/26/16	10/14/16	09/09/08	08/18/09	09/30/15	INJECTION DEC. 2015	04/26/16	10/14/16
Groundwater Elevation				678.23	677.94	680.07	677.51	678.29	678.27	680.29		680.26	679.57	678.26	678.76	678.13	678.46		679.44	678.24
Notes										(1)		(2)								
FIELD PARAMETERS																				
Temperature	C°	NS	NS	12.84	12.5	11.7	14.4	13.0	14.3	--		--	9.96	14.32	12.37	12.1	12.86		9.43	13.56
Specific Conductivity	mS/cm	NS	NS	NR	NR	NR	NR	NR	2541	3829		4141	3434	2163	NR	NR	2014		2022	2323
Dissolved Oxygen (field)	mg/l	NS	NS	0.60	0.32	0.35	0.35	0.50	0.30	0.73		0.39	0.61	1.33	NR	0.35	3.50		6.20	2.61
pH		NS	NS	7.49	7	7	7	7.4	6.39	6.47		6.55	6.82	7.13	NR	7	6.54		6.78	7.17
ORP	mV	NS	NS	-152.4	146.0	51.0	-120.0	-101.0	-93.3	-35.1		-15.4	-52.2	-88.5	NR	100.0	217.3		32.4	140.6
LABORATORY PARAMETERS																				
Dissolved Iron	mg/l	*0.15*	**0.3**	0.0	3.0	--	--	5.2	--	***4.12***		--	***12***	--	0.0	0.0	--		--	--
Dissolved Manganese	mg/l	*0.025*	**0.05**	174.0	--	--	--	288	--	***0.452***		--	***0.578***	--	104.0	--	--		--	--
Sulfate	mg/l	*125*	**250**	8.13	--	--	--	89.8	--	36.7		--	40.3	--	92.8	--	--		--	--
Nitrate/Nitrite	mg/l	2	**10**	<0.1	--	--	--	<0.1	--	--		--	--	--	5.11	--	--		--	--
Methane	ug/l	NS	NS	--	--	--	--	--	--	--		--	--	482	--	--	--		--	--
Ethane	ug/l	NS	NS	--	--	--	--	--	--	--		--	--	6.2	--	--	--		--	--
Ethene	ug/l	NS	NS	--	--	--	--	--	--	--		--	--	19.3	--	--	--		--	--
Total Organic Carbon	mg/l	NS	NS	--	--	--	--	--	--	0.61		--	<1.5	--	--	--	--		--	--

ID

Notes:
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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	PZ-1									PZ-2							
Sample Date				12/06/07	09/09/08	08/18/09	09/30/15	INJECTION DEC. 2015	11/30/15	12/04/15	04/26/16	10/14/16	09/09/08	08/18/09	07/01/10	10/29/10	09/30/15	INJECTION DEC. 2015	04/26/16	10/14/16
Groundwater Elevation				678.96	679.89	668.34	679.68		680.29	680.26	680.16	679.47	678.11	677.76	678.93	677.52	677.90		678.90	677.84
Notes									(1)	(2)										
FIELD PARAMETERS																				
Temperature	C°	NS	NS	15.2	13.49	13.2	13.78		--	--	13.05	14.06	12.81	12.7	12.2	14.4	13.10		12.89	13.43
Specific Conductivity	mS/cm	NS	NS	NR	NR	NR	893		366	427	933	681	NR	NR	NR	NR	2916		2307	2109
Dissolved Oxygen (field)	mg/l	NS	NS	7.40	1.02	3.68	10.84		8.39	5.66	8.37	7.00	1.21	0.49	3.14	5.30	9.28		8.11	2.63
pH		NS	NS	7	8.02	7.9	7.33		10.58	10.19	7.88	9.07	8.38	7	7	7	7.01		7.54	7.13
ORP	mV	NS	NS	108.0	-219.5	102.0	241.1		98.0	-57.2	104.0	46.4	-31.1	89.0	68.0	95.0	258.7		125.4	64.9
LABORATORY PARAMETERS																				
Dissolved Iron	mg/l	*0.15*	**0.3**	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	--	--	--	--		--	--	--	--	--	--	--	--	--		--	--

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	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	INJECTION DEC. 2015	04/26/16	10/14/16
Groundwater Elevation				681.48	679.93	679.74	679.92	679.49	680.27	681.06		681.02	680.61
Notes													
FIELD PARAMETERS													
Temperature	C°	NS	NS	10.2	16.7	16	14.5	14.3	14.0	17.55		10.96	15.87
Specific Conductivity	mS/cm	NS	NS	NR	NR	NR	NR	NR	NR	3900		4368	3202
Dissolved Oxygen (field)	mg/l	NS	NS	0.39	0.43	0.23	0.62	0.16	0.65	3.94		0.58	1.25
pH		NS	NS	7	7	7	7.28	7.5	7.2	6.42		6.55	7.17
ORP	mV	NS	NS	88.0	8.0	-53.0	-141.5	65.0	23.0	128.4		-89.6	-113.3
LABORATORY PARAMETERS													
Dissolved Iron	mg/l	*0.15*	**0.3**	0.8	1.0	--	3.2	0.0	1.0	0.6	--	--	--
Dissolved Manganese	mg/l	*0.025*	**0.05**	--	--	--	519.6	678.0	--	662	--	--	--
Sulfate	mg/l	*125*	**250**	--	--	--	49.8	49.8	--	59.4	--	--	--
Nitrate/Nitrite	mg/l	2	**10**	--	--	--	0.09	0.13 J	--	4.4	--	--	--
Methane	ug/l	NS	NS	--	--	--	14.0	5.0	--	--	--	--	5,500
Ethane	ug/l	NS	NS	--	--	--	13.0	6.5	--	--	--	--	26.3
Ethene	ug/l	NS	NS	--	--	--	<1	0.5	--	--	--	--	277
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

Vapor Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

						Site : 6326 Bluemound	
Sample ID		N- C-Carcinogen Non Carcinogen	WDNR / WDHFS SMALL COMMERCIAL Subslab Air	WDNR / WDHFS SMALL COMMERCIAL Indoor Air		VP-1	VP-2
Sample Date						2/24/2016	2/24/2016
Sample Location						SE corner (6326)	ctr work area (6326)
Type of Sample						sub-slab	sub-slab
Collection Method						Summa	Summa
Time Period of Collection						30 min	30 min
Analytical Method						TO-15	TO-15
Method/Result Leak Detection						water/shut-in; pass	water/shut-in; pass
STANDARDS COMPARED TO						SMALL COMM	SMALL COMM
Benzene	µg/m³	C	*530*	16		0.84	6.8
Ethylbenzene	µg/m³	C	*1,600*	49		2.6	4.5
Toluene	µg/m³	N	*730,000*	22,000		15.3	142
Xylenes	µg/m³	N	*15,000*	440		12.5	17.6
Naphthalene	µg/m³	C	*120*	3.6		6.3	5.3
1,2,4-Trimethylbenzene	µg/m³	N	*1,000*	31		15.0	9.2
1,3,5-Trimethylbenzene	µg/m³	N	NS	NS		2.9	2.2
Methyl-tert-butyl-ether (MTBE)	µg/m³	C	*16,000*	470		<0.47	<0.42
Tetrachloroethene (PCE)	µg/m³	N	*6,000*	180		608	*63,100*
Trichloroethene (TCE)	µg/m³	C	*290*	8.8		1.1	*545*
cis-1,2 Dichloroethene	µg/m³	N	NS	NS		<0.38	7.1
trans-1,2 Dichloroethene	µg/m³	N	NS	NS		<0.60	<0.53
Vinyl Chloride	µg/m³	C	*930*	28		<0.30	<0.27
Methylene Chloride	µg/m³	C	*87,000*	2,600		0.95 J	<0.75
Acetone	µg/m³	N	*4,700,000*	140,000		38.4	227
Benzyl Chloride	µg/m³	C	*83*	2.5		<0.26	<0.23
Bromodichloromethane	µg/m³	C	*110*	3.3		<0.30	<0.27
Bromoform	µg/m³	C	*3,700*	110		<1.4	<1.3
Bromomethane	µg/m³	N	*730*	22		0.77 J	<0.43
1,3-Butadiene	µg/m³	C	*140*	4.1		<0.27	<0.24
2-Butanone (Methyl Ethyl Ketone)	µg/m³	N	*730,000*	22,000		2.9 J	37.7
Carbon Disulfide	µg/m³	N	*100,000*	3,100		0.37 J	3.4
Carbon Tetrachloride	µg/m³	C	*670*	20		<0.30	<0.27
Chlorobenzene	µg/m³	N	*7,300*	220		<0.21	<0.19
Chloroethane (Ethyl Chloride)	µg/m³	N	*1,500,000*	44,000		<0.30	<0.27
Chloroform	µg/m³	C	*180*	5.3		<0.29	<0.26
Chloromethane (Methyl Chloride)	µg/m³	N	*13,000*	390		<0.17	<0.15
Cyclohexane	µg/m³	N	*870,000*	26,000		27.8	86.9
Dibromochloromethane	µg/m³	C	*NS*	NS		<1.3	<1.2
1,2-Dibromoethane (EDB)	µg/m³	C	*7*	0.2		<1.2	<1.1
1,2-Dichlorobenzene	µg/m³	N	*29,000*	880		<0.79	<0.71
1,3-Dichlorobenzene	µg/m³	N	NS	NS		<0.82	<0.74
1,4-Dichlorobenzene	µg/m³	C	*370*	11		<0.77	<0.69
Dichlorodifluoromethane	µg/m³	N	*15,000*	440		3.2	3.5
1,1-Dichloroethane	µg/m³	C	*2,600*	77		<0.24	<0.22
1,2-Dichloroethane	µg/m³	C	*160*	4.7		<0.32	<0.28
1,1-Dichloroethene	µg/m³	N	*29,000*	880		<0.37	<0.33
1,2-Dichloropropane	µg/m³	C	*400*	12		<0.42	<0.38
cis-1,3-Dichloropropene	µg/m³	N	NS	NS		<0.57	<0.51
trans-1,3-Dichloropropene	µg/m³	N	NS	NS		<0.40	<0.36
1,2-Dichlorotetrafluoroethane	µg/m³		NS	NS		<0.48	<0.43
Ethanol	µg/m³	N	NS	NS		73.1	96.5
Ethyl Acetate	µg/m³	N	*10,000*	310		<0.54	<0.48
4-Ethyltoluene	µg/m³		NS	NS		3.3	2.6
n-Heptane	µg/m³	N	NS	NS		20.4	16.5
Hexachloro-1,3-butadiene	µg/m³	C	*56*	5.6		<1.0	<0.90
n-Hexane	µg/m³	N	*100,000*	3,100		55.3	141
2-Hexanone	µg/m³		*4,300*	130		<0.64	<0.57
Methyl Isobutyl Ketone (MIBK)	µg/m³	N	*430,000*	13,000		<0.34	5.4 J
2-Propanol (Isopropanol)	µg/m³	N	*29,000*	880		8.0	27.6
Propylene	µg/m³	N	*430,000*	13,000		<0.21	<0.19
Styrene	µg/m³	N	*150,000*	4,400		0.37 J	0.56 J
1,1,2,2-Tetrachloroethane	µg/m³	C	*70*	2.1		<0.51	<0.46
Tetrahydrofuran	µg/m³	N	*290,000*	8,800		<0.18	<0.17
1,2,4-Trichlorobenzene	µg/m³	N	*290*	8.8		<1.4	<1.3
1,1,1-Trichloroethane	µg/m³	N	*730,000*	22,000		<0.38	<0.34
1,1,2-Trichloroethane	µg/m³	C	*260*	7.7		<0.38	<0.34
Trichlorofluoromethane	µg/m³	N	*NS*	NS		1.2 J	1.0 J
1,1,2-Trichlorotrifluoroethane	µg/m³	N	*4,300,000*	130,000		<0.47	0.82 J
Vinyl Acetate	µg/m³	N	*29,000*	880		<0.51	<0.46

N = Noncarcinogen; C = Carcinogen
Blue and ITALICS : Exceeds Subslab Vapor Standard
BOLD Exceeds Indoor Air Standard
NA=Not Analyzed
NS : No Standards
Standards based on DNR Quick Look Up Table andEPA RSL Tables http://www.epa.gov/reg3hwmd/risk/human/rb-concentration table/index.htm June 2015
Small Commercial vs. Large Commercial/Industrial determined based on WDNR Publication RR-800

TABLE A

Vapor Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

					Residence 518 N 64th									
Sample ID		N-Non			VP-1	VP-1 (518)	VP-2	VP-3	VP-3R	VP-3(518)	1st Flr	Basement	Outdoor
Sample Date					7/21/2009	1/5/2017	7/21/2009	7/21/2009	4/7/2010	1/5/2017	2/7/2012	2/7/2012	2/7/2012
Sample Location					Basement	Basement	Basement	Basement	Basement	Basement	First Floor	Basement	Outside
Type of Sample					Sub-Slab	sub-slab	Sub-Slab	Sub-Slab	Sub-Slab	sub-slab	Ambient Indoor	Ambient Indoor	Ambient Outdoor
Collection Method					Summa	Summa	Summa	Summa	Summa	Summa	Summa	Summa	Summa
Time Period of Collection					60 min	30 min	60 min	20 min	60 min	30 min	24 hour	24 hour	24 hour
Analytical Method					TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15
Method/Result Leak Detection		C-Carcinogen Carcinogen	WDNR / WDHFS Residential Subslab	WDNR / WDHFS Residential Indoor Air	NA	water dam/shut-in; pass	NA	NA	NA	water dam/shut-in; pass	NA	NA	NA
STANDARDS COMPARED TO					RES	RES	RES	RES	RES	RES	RES	RES	RES
Benzene	µg/m³	C	*120*	**3.6**	<2.6	--	3.25	<45	<2.5	--	--	--	--
Ethylbenzene	µg/m³	C	*370*	**11**	<3.5	--	<3.7	<61	3.75	--	--	--	--
Toluene	µg/m³	N	*170,000*	**5,200**	22.2	--	14.6	80.4	8.43	--	--	--	--
Xylenes	µg/m³	N	*3,300*	**100**	12.36	--	16.33	181	21.2	--	--	--	--
Naphthalene	µg/m³	C	*28*	**0.83**	--	--	7.5	<61	<5.2	--	--	--	--
1,2,4-Trimethylbenzene	µg/m³	N	*240*	**7.3**	<3.9	--	<4.0	<68	18	--	--	--	--
1,3,5-Trimethylbenzene	µg/m³	N	NS	NS	<4.0	--	<4.1	<69	4.1	--	--	--	--
Methyl-tert-butyl-ether (MTBE)	µg/m³	C	*3,700*	**110**	--	--	--	--	--	--	--	--	--
Tetrachloroethene (PCE)	µg/m³	N	*1,400*	**42**	17.2	32.0	8.96	<96	5.52	32.5	--	--	--
Trichloroethene (TCE)	µg/m³	C	*70*	**2.1**	<4.4	<0.51	<4.5	*683*	*449*	<0.51	--	--	--
cis-1,2 Dichloroethene	µg/m³	N	NS	NS	--	<0.45	--	--	--	<0.45	<0.92	<0.92	<0.92
trans-1,2 Dichloroethene	µg/m³	N	NS	NS	--	<0.70	--	--	--	<0.70	<0.74	<0.74	<0.74
Vinyl Chloride	µg/m³	C	*57*	**1.7**	--	<0.36	--	--	--	<0.36	<1.1	<1.1	<1.1
Methylene Chloride	µg/m³	C	*21,000*	**630**	<2.8	--	<2.9	<49	3.43	--	<1.1	<1.1	<1.1
Acetone	µg/m³	N	*1,100,000*	**32,000**	91	--	40.8	1,440	74.9	--	<0.35	<0.35	<0.35
Benzyl Chloride	µg/m³	C	*19*	**0.57**	--	--	--	--	--	--	--	--	--
Bromodichloromethane	µg/m³	C	*25*	**0.76**	--	--	--	--	--	--	--	--	--
Bromoform	µg/m³	C	*830*	**25**	--	--	--	--	--	--	--	--	--
Bromomethane	µg/m³	N	*170*	**5.2**	--	--	--	--	--	--	--	--	--
1,3-Butadiene	µg/m³	C	*31*	**0.94**	--	--	--	--	--	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	µg/m³	N	*170,000*	**5,200**	8.69	--	8.09	14,400	8.69	--	--	--	--
Carbon Disulfide	µg/m³	N	*24,000*	**730**	<3.1	--	31	<42	<2.3	--	--	--	--
Carbon Tetrachloride	µg/m³	C	*160*	**4.7**	--	--			--	--	--	--	--
Chlorobenzene	µg/m³	N	*1,700*	**52.1**	<3.7	--	5.62	<65	<3.6	--	--	--	--
Chloroethane (Ethyl Chloride)	µg/m³	N	*350,000*	**10,400**	--	--	--	--	--	--	--	--	--
Chloroform	µg/m³	C	*40*	**1.2**	--	--	--	--	--	--	--	--	--
Chloromethane (Methyl Chloride)	µg/m³	N	*3,100*	**94**	--	--	--	--	--	--	--	--	--
Cyclohexane	µg/m³	N	*33,000*	**1,000**	<2.8	--	19.2	<49	5.6	--	--	--	--
Dibromochloromethane	µg/m³	C	NS	NS	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane (EDB)	µg/m³	C	*2*	**0.05**	<2.8	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	µg/m³	N	*7,000*	**210**	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	µg/m³	N	NS	NS	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	µg/m³	C	*87*	**2.6**	17.7	--	19.6	<84	5.81	--	--	--	--
Dichlorodifluoromethane	µg/m³	N	*3,300*	**100**	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	µg/m³	C	*600*	**18**	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	µg/m³	C	*37*	**1.1**	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	µg/m³	N	*7,000*	**210**	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	µg/m³	C	*93*	**2.8**	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	µg/m³	N	NS	NS	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	µg/m³	N	NS	NS	--	--	--	--	--	--	--	--	--
1,2-Dichlorotetrafluoroethane	µg/m³		NS	NS	--	--	--	--	--	--	--	--	--
Ethanol	µg/m³	N	NS	NS	--	--	--	--	--	--	--	--	--
Ethyl Acetate	µg/m³	N	*2,400*	**73**	6.96	--	<3	118	3.08	--	--	--	--
4-Ethyltoluene	µg/m³		NS	NS	<4.1	--	<4.2	<71	8.0	--	--	--	--
n-Heptane	µg/m³	N	NS	NS	<3.3	--	4.58	<58	<2.8	--	--	--	--
Hexachloro-1,3-butadiene	µg/m³	C	*43*	**1.3**	--	--	--	--	--	--	--	--	--
n-Hexane	µg/m³	N	*24,000*	**730**	<2.9	--	4.66	<51	6.18	--	--	--	--
2-Hexanone	µg/m³		*1,000*	**31.3**	<3.5	--	<3.6	<61	12.1	--	--	--	--
Methyl Isobutyl Ketone (MIBK)	µg/m³	N	*100,000*	**3,130**	<3.5	--	<3.6	115	4.58	--	--	--	--
2-Propanol (Isopropanol)	µg/m³	N	*7,000*	**209**	--	--	--	--	--	--	--	--	--
Propylene	µg/m³	N	*100,000*	**3,130**	--	--	--	--	--	--	--	--	--
Styrene	µg/m³	N	*35,000*	**1,040**	4.76	--	<3.8	<64	<3.5	--	--	--	--
1,1,2,2-Tetrachloroethane	µg/m³	C	*16*	**0.48**	--	--	--	--	--	--	--	--	--
Tetrahydrofuran	µg/m³	N	*70,000*	**2,090**	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	µg/m³	N	*70*	**2.1**	<3.9	--	6.71	<100	<5.8	--	--	--	--
1,1,1-Trichloroethane	µg/m³	N	*170,000*	**5,200**	6.1	--	<4.6	<77	9.98	--	--	--	--
1,1,2-Trichloroethane	µg/m³	C	*7*	**0.21**	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	µg/m³	N	NS	NS	8.57	--	<4.6	<77	<4.2	--	--	--	--
1,1,2-Trichlorotrifluoroethane	µg/m³	N	*1,000,000*	**31,300**	--	--	--	--	--	--	--	--	--
Vinyl Acetate	µg/m³	N	*7,000*	**209**	--	--	--	--	--	--	--	--	--

N = Noncarcinogen; C = Carcinogen
Blue and ITALICS : Exceeds Subslab Vapor Standard
BOLD Exceeds **Indoor** Air Standard
-- = Not Analyzed
NS : No Standards
Standards based on DNR Quick Look Up Table andEPA RSL Tables http://www.epa.gov/reg3hwmd/risk/human/rb-concentration table/index.htm June 2015
Small Commercial vs. Large Commercial/Industrial determined based on WDNR Publication RR-800

TABLE A

Vapor Analytical Table - VOC
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

						Police Union Building 6310 Bluemound	
Sample ID		N- C-Carcinogen Non Carcinogen	WDNR / WDHFS SMALL COMMERCIAL Subslab Air	WDNR / WDHFS SMALL COMMERCIAL Indoor Air		VP-1 (6310)	VP-2 (6310)
Sample Date						1/5/2017	1/5/2017
Sample Location						6310 W. Bluemound	6310 W. Bluemound
Type of Sample						sub-slab	sub-slab
Collection Method						Summa	Summa
Time Period of Collection						30 min	30 min
Analytical Method						TO-15	TO-15
Method/Result Leak Detection						water/shut-in; pass	water/shut-in; pass
STANDARDS COMPARED TO						SMALL COMM	SMALL COMM
Tetrachloroethene (PCE)	µg/m^3	N	*6,000*	180		60.3	16.8
Trichloroethene (TCE)	µg/m^3	C	*290*	8.8		0.64J	<0.51
cis-1,2 Dichloroethene	µg/m^3	N	NS	NS		<0.43	<0.45
trans-1,2 Dichloroethene	µg/m^3	N	NS	NS		<0.67	<0.70
Vinyl Chloride	µg/m^3	C	*930*	28		<0.34	<0.36

TABLE A.8
Four-Gas Meter Parameters
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		SMW-1	SMW-2	SMW-3	SMW-4	SMW-5	SMW-6	SMW-7
Sample Date		10/13/2016	10/13/2016	10/13/2016	10/13/2016	10/13/2016	10/13/2016	10/13/2016
4 GAS METER PARAMETERS								
LEL	%	0	0	100	100	40	0	0
Volume Methane (CH4)	%	0	0	5	5	2	0	0
Carbon Dioxide (CO2)	ppm	0	0	6	185	0	0	0
Oxygen (O2)	% (v/v)	20.8	20.8	8.3	11.7	14.9	20.4	20.8
Hydrogen Sulfide (H2S)	ppm	0	0	0	0	0	0	0

Notes:
LEL - lower explosive limit
v/v - volume of gas per volume of air
(normal ambient air contains an Oxygen concentration of 20.9% v/v)
ppm - parts per million
100% LEL = 5% methane gas by volume
Volume % Methane = %LEL/20
Methane is explosive at concentrations ranging from 5 to 15 percent (by volume)

TABLE A.8
Four-Gas Meter Parameters
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		SMW-8	SMW-9	SMW-10	SMW-11	SMW-12	SMW-13	SMW-14
Sample Date		10/13/2016	10/13/2016	10/13/2016	10/13/2016	10/13/2016	10/13/2016	10/13/2016
4 GAS METER PARAMETERS								
LEL	%	0	100	0	0	0	0	0
Volume Methane (CH4)	%	0	5	0	0	0	0	0
Carbon Dioxide (CO2)	ppm	0	425	0	0	0	0	0
Oxygen (O2)	% (v/v)	18.9	13.1	20.8	18.9	20.3	20.2	20.8
Hydrogen Sulfide (H2S)	ppm	0	0	0	0	0	0	0

Notes:
LEL - lower explosive limit
v/v - volume of gas per volume of air (normal ambient air contains an Oxygen concentration of 20.9% v/v)
ppm - parts per million
100% LEL = 5% methane gas by volume
Volume % Methane = %LEL/20
Methane is explosive at concentrations ranging from 5 to 15 percent (by volume)

TABLE A.8
Four-Gas Meter Parameters
Master Drycleaning, Inc.
6326 W. Bluemound Rd., Wauwatosa, WI 53213
BRRTS# 02-41-545142

Sample ID		PZ-1	PZ-2	MW-1	MW-2	MW-3
Sample Date		10/13/2016	10/13/2016	10/13/2016	10/13/2016	10/13/2016
4 GAS METER PARAMETERS						
LEL	%	0	0	0	0	100
Volume Methane (CH4)	%	0	0	0	0	5
Carbon Dioxide (CO2)	ppm	1	0	0	0	4
Oxygen (O2)	% (v/v)	20.8	20.8	20.2	20.3	13.4
Hydrogen Sulfide (H2S)	ppm	0	0	0	0	0

Notes:
LEL - lower explosive limit
v/v - volume of gas per volume of air
(normal ambient air contains an Oxygen concentration of 20.9% v/v)
ppm - parts per million
100% LEL = 5% methane gas by volume
Volume % Methane = %LEL/20
Methane is explosive at concentrations ranging from 5 to 15 percent (by volume)

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Master Cleaners	15-1209	B-104

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Bob Rosploch Horizon	1/20/2017	1/20/2017	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet

SE 1/4 of SE 1/4 of Section 27, T 7 N, R 21 E

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Wauwatosa

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 0		0	0.0-4.0' NO RECOVERY, piece of concrete stuck in tube										
			1											
			2											
			3											
2 CS	48 30		4	4.0-5.0' SILT, dark brown, cohesive, low plasticity, med stiff, no odor, moist (ML,FILL)	ML			45.1						Sample 4-5'
			5	5.0-8.0' CLAY, light brown, cohesive, high plasticity, stiff, no odor, wet @ 6 feet (CH,TILL)	CH			16.6						
			6											
			7					12.4						
3 CS	24 24		8	8.0-10.0' CLAY, light brown, cohesive, med plasticity, stiff, no odor, wet (CL,TILL)	CL									
			9					39.4						Sample 8-10'
			10	End of boring @ 10 feet. Borehole abandoned.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Firm Fehr Graham Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Master Cleaners	15-1209	B-105

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Bob Rosploch Horizon	1/20/2017	1/20/2017	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N
SE 1/4 of SE 1/4 of Section 27, T 7 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Wauwatosa

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 18		0	0.0-0.25' CONCRETE										
			1	0.25-6.0' CLAY, brown to dark brown @ 4 feet, cohesive, med plasticity, few gravel and coarse grained sand, soft, no odor, moist (CL,FILL)				1.9						
			2											
			3		CL			2.4						
			4					2.4						
2 CS	48 42		5					4.4						Sample 4-5'
			6	6.0-10.0' CLAY, light brown, cohesive, high plasticity, stiff, no odor, wet @ 6 feet (CH,TILL)				1.9						
			7					0.7						
3 CS	24 24		8		CH									
			9					1.4						Sample 8-10'
			10	End of boring @ 10 feet. Borehole abandoned.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature DMJPL Firm Fehr Graham Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Master Cleaners	15-1209	B-106

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Bob Rosploch Horizon	1/20/2017	1/20/2017	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet
SE 1/4 of SE 1/4 of Section 27, T 7 N, R 21 E

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Wauwatosa

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 36		0 1 2	0.0-0.25' ASPHALT 0.25-2.0' GRAVELLY SAND, light brown, med grained sand, loose, no odor, moist (SP, FILL)	SP			0.4						
			3	2.0-6.0' CLAY, brown to dark brown @ 3.5 feet, cohesive, med plasticity, stiff, no odor, moist (CL,TILL)				0.2						
2 CS	48 48		4		CL			0.2						Sample 3-4'
			5					0.2						
			6					0.4						Sample 5-6'
			7	6.0-10.0' SANDY SILT, brown, cohesive, low plasticity, soft, no odor, wet @ 6 feet (ML,TILL)				1.2						
3 CS	24 24		8		ML									
			9					0.4						Sample 8-10'
			10	End of boring @ 10 feet. Borehole abandoned.										

I hereby certify that the information on this form is true and corrected to the best of my knowledge.

Signature	Firm	Tel:
	Fehr Graham	Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Master Cleaners	15-1209	B-107

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Bob Rosploch Horizon	1/20/2017	1/20/2017	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ S Feet ☐ E ☐ W Feet

SE 1/4 of SE 1/4 of Section 27, T 7 N, R 21 E

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Wauwatosa

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 48		0 1 2	0.0-0.25' ASPHALT 0.25-2.0' GRAVELLY SAND, light brown, med grained sand, loose, no odor, moist (SP, FILL)	SP			0.2						
			3	2.0-6.0' CLAY, brown, cohesive, med plasticity, med stiff, no odor, moist (CL,TILL)				0.0						
2 CS	48 48		4		CL			0.0						Sample 3-4'
			5					0.2						
			6					0.0						Sample 5-6'
			7	6.0-10.0' SANDY SILT, brown, cohesive, low plasticity, soft, no odor, wet @ 6 feet (ML,TILL)				0.2						
3 CS	24 24		8		ML									
			9					0.2						Sample 8-10'
			10	End of boring @ 10 feet. Borehole abandoned.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature DMJ Firm Fehr Graham Tel: Fax:

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Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Master Cleaners	15-1209	B-108

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Bob Rosploch Horizon	1/20/2017	1/20/2017	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
SE 1/4 of SE 1/4 of Section 27, T 7 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Wauwatosa

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 42		1	0.0-0.25' ASPHALT 0.25-2.0' GRAVELLY SAND, dark brown, med grained sand, loose, no odor, moist (SP, FILL)	SP			1.2						
			2											
			3	2.0-5.0' CLAY, brown, cohesive, med plasticity, med stiff, no odor, wet @ 4 feet (CL,TILL)				0.2						
					CL			0.0						Sample 3-4'
2 CS	48 48		4					0.0						
			5	5.0-10.0' SANDY SILT, brown, cohesive, low plasticity, soft, petro odor from 9.75-10 feet, wet (ML,TILL)				0.0						Sample 5-6'
			6											
			7					0.2						
					ML									
3 CS	24 24		8											
			9					7.8						Sample 8-10'
			10	End of boring @ 10 feet. Borehole abandoned.										

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Master Cleaners	15-1209	B-109

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Bob Rosploch Horizon	1/20/2017	1/20/2017	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
SE 1/4 of SE 1/4 of Section 27, T 7 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Wauwatosa

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	48 36		0	0.0-0.25' ASPHALT										
			1	0.25-2.0' GRAVELLY SAND, light brown, med grained sand, loose, no odor, moist (SP, FILL)	SP			0.2						
			2											
			3	2.0-5.0' CLAY, brown, cohesive, med plasticity, med stiff, no odor, moist (CL,TILL)	CL			0.0						
2 CS	48 48		4					0.0						Sample 3-4'
			5					0.0						
			6	5.0-10.0' SANDY SILT, brown, cohesive, low plasticity, soft, no odor, wet @ 5 feet (ML,TILL)				0.0						Sample 5-6'
			7		ML			0.0						
3 CS	24 24		8											
			9					0.0						Sample 8-10'
			10	End of boring @ 10 feet. Borehole abandoned.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
DMPL	Fehr Graham	Fax:

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Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

October 25, 2016

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

RE: Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Dear Ken Ebbott:
Enclosed are the analytical results for sample(s) received by the laboratory on October 17, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC 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
christopher.hyska@pacelabs.com
Project Manager

Enclosures

cc: Megan Hansen, Fehr Graham Engineering and Environmental

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Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

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
Wisconsin DATCP Certification #: 105-444

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40140236001	SMW-3	Water	10/14/16 10:45	10/17/16 14:28
40140236002	SMW-4	Water	10/14/16 10:50	10/17/16 14:28
40140236003	SMW-6	Water	10/14/16 09:40	10/17/16 14:28
40140236004	SMW-7	Water	10/14/16 11:00	10/17/16 14:28
40140236005	SMW-8	Water	10/14/16 09:35	10/17/16 14:28
40140236006	SMW-9	Water	10/14/16 11:10	10/17/16 14:28
40140236007	SMW-10	Water	10/14/16 10:35	10/17/16 14:28
40140236008	SMW-11	Water	10/14/16 09:25	10/17/16 14:28
40140236009	SMW-14	Water	10/14/16 09:15	10/17/16 14:28
40140236010	PZ-1	Water	10/14/16 09:45	10/17/16 14:28
40140236011	PZ-2	Water	10/14/16 09:50	10/17/16 14:28
40140236012	MW-1	Water	10/14/16 10:15	10/17/16 14:28
40140236013	MW-2	Water	10/14/16 10:00	10/17/16 14:28
40140236014	MW-3	Water	10/14/16 10:05	10/17/16 14:28
40140236015	TB	Water	10/14/16 00:00	10/17/16 14:28

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SAMPLE ANALYTE COUNT

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40140236001	**SMW-3**	EPA 8260	HNW	64	PASI-G
40140236002	**SMW-4**	EPA 8015B Modified	JSK	3	PASI-G
		EPA 8260	HNW	64	PASI-G
40140236003	**SMW-6**	EPA 8260	SMT	64	PASI-G
40140236004	**SMW-7**	EPA 8260	HNW	64	PASI-G
40140236005	**SMW-8**	EPA 8260	HNW	64	PASI-G
40140236006	**SMW-9**	EPA 8015B Modified	JSK	3	PASI-G
		EPA 8260	SMT	64	PASI-G
40140236007	**SMW-10**	EPA 8015B Modified	JSK	3	PASI-G
		EPA 8260	HNW	64	PASI-G
40140236008	**SMW-11**	EPA 8260	SMT	64	PASI-G
40140236009	**SMW-14**	EPA 8015B Modified	JSK	3	PASI-G
		EPA 8260	SMT	64	PASI-G
40140236010	**PZ-1**	EPA 8260	SMT	64	PASI-G
40140236011	**PZ-2**	EPA 8260	HNW	64	PASI-G
40140236012	**MW-1**	EPA 8260	SMT	64	PASI-G
40140236013	**MW-2**	EPA 8260	SMT	64	PASI-G
40140236014	**MW-3**	EPA 8015B Modified	JSK	3	PASI-G
		EPA 8260	HNW	64	PASI-G
40140236015	**TB**	EPA 8260	SMT	64	PASI-G

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-3 **Lab ID: 40140236001** Collected: 10/14/16 10:45 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**132**	ug/L	1.0	0.50	1		10/24/16 18:17	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/24/16 18:17	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/24/16 18:17	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/24/16 18:17	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/16 18:17	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/24/16 18:17	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	108-90-7	
Chloroethane	**2.3**	ug/L	1.0	0.37	1		10/24/16 18:17	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/24/16 18:17	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/24/16 18:17	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/24/16 18:17	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/24/16 18:17	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/24/16 18:17	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/24/16 18:17	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/24/16 18:17	75-34-3	
1,2-Dichloroethane	**5.9**	ug/L	1.0	0.17	1		10/24/16 18:17	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/24/16 18:17	75-35-4	
cis-1,2-Dichloroethene	**102**	ug/L	1.0	0.26	1		10/24/16 18:17	156-59-2	
trans-1,2-Dichloroethene	**0.96J**	ug/L	1.0	0.26	1		10/24/16 18:17	156-60-5	
1,2-Dichloropropane	**10.6**	ug/L	1.0	0.23	1		10/24/16 18:17	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/24/16 18:17	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/24/16 18:17	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/24/16 18:17	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	108-20-3	
Ethylbenzene	**94.8**	ug/L	1.0	0.50	1		10/24/16 18:17	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/24/16 18:17	87-68-3	
Isopropylbenzene (Cumene)	**10.4**	ug/L	1.0	0.14	1		10/24/16 18:17	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	99-87-6	
Methylene Chloride	**2.9**	ug/L	1.0	0.23	1		10/24/16 18:17	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/24/16 18:17	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/24/16 18:17	91-20-3	
n-Propylbenzene	**8.9**	ug/L	1.0	0.50	1		10/24/16 18:17	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/24/16 18:17	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-3 **Lab ID: 40140236001** Collected: 10/14/16 10:45 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/24/16 18:17	79-34-5	
Tetrachloroethene	**1.1**	ug/L	1.0	0.50	1		10/24/16 18:17	127-18-4	
Toluene	**65.4**	ug/L	1.0	0.50	1		10/24/16 18:17	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/24/16 18:17	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/16 18:17	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/24/16 18:17	79-00-5	
Trichloroethene	**8.3**	ug/L	1.0	0.33	1		10/24/16 18:17	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/24/16 18:17	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 18:17	96-18-4	
1,2,4-Trimethylbenzene	**3.1**	ug/L	1.0	0.50	1		10/24/16 18:17	95-63-6	
1,3,5-Trimethylbenzene	**0.94J**	ug/L	1.0	0.50	1		10/24/16 18:17	108-67-8	
Vinyl chloride	**4.6**	ug/L	1.0	0.18	1		10/24/16 18:17	75-01-4	
m&p-Xylene	**39.1**	ug/L	2.0	1.0	1		10/24/16 18:17	179601-23-1	
o-Xylene	**13.9**	ug/L	1.0	0.50	1		10/24/16 18:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/24/16 18:17	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		10/24/16 18:17	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/24/16 18:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-4 **Lab ID: 40140236002** Collected: 10/14/16 10:50 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**14.4**	ug/L	5.6	0.58	1		10/19/16 09:04	74-84-0	
Ethene	**305**	ug/L	5.0	0.52	1		10/19/16 09:04	74-85-1	
Methane	**5390**	ug/L	70.0	34.2	25		10/19/16 10:46	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	71-43-2	
Bromobenzene	**<5.8**	ug/L	25.0	5.8	25		10/24/16 18:40	108-86-1	
Bromochloromethane	**<8.5**	ug/L	25.0	8.5	25		10/24/16 18:40	74-97-5	
Bromodichloromethane	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	75-27-4	
Bromoform	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	75-25-2	
Bromomethane	**<60.9**	ug/L	125	60.9	25		10/24/16 18:40	74-83-9	
n-Butylbenzene	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	104-51-8	
sec-Butylbenzene	**<54.7**	ug/L	125	54.7	25		10/24/16 18:40	135-98-8	
tert-Butylbenzene	**<4.5**	ug/L	25.0	4.5	25		10/24/16 18:40	98-06-6	
Carbon tetrachloride	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	56-23-5	
Chlorobenzene	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	108-90-7	
Chloroethane	**<9.4**	ug/L	25.0	9.4	25		10/24/16 18:40	75-00-3	
Chloroform	**<62.5**	ug/L	125	62.5	25		10/24/16 18:40	67-66-3	
Chloromethane	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	74-87-3	
2-Chlorotoluene	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	95-49-8	
4-Chlorotoluene	**<5.3**	ug/L	25.0	5.3	25		10/24/16 18:40	106-43-4	
1,2-Dibromo-3-chloropropane	**<54.1**	ug/L	125	54.1	25		10/24/16 18:40	96-12-8	
Dibromochloromethane	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	124-48-1	
1,2-Dibromoethane (EDB)	**<4.4**	ug/L	25.0	4.4	25		10/24/16 18:40	106-93-4	
Dibromomethane	**<10.7**	ug/L	25.0	10.7	25		10/24/16 18:40	74-95-3	
1,2-Dichlorobenzene	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	95-50-1	
1,3-Dichlorobenzene	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	541-73-1	
1,4-Dichlorobenzene	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	106-46-7	
Dichlorodifluoromethane	**<5.6**	ug/L	25.0	5.6	25		10/24/16 18:40	75-71-8	
1,1-Dichloroethane	**<6.0**	ug/L	25.0	6.0	25		10/24/16 18:40	75-34-3	
1,2-Dichloroethane	**<4.2**	ug/L	25.0	4.2	25		10/24/16 18:40	107-06-2	
1,1-Dichloroethene	**14.5J**	ug/L	25.0	10.3	25		10/24/16 18:40	75-35-4	
cis-1,2-Dichloroethene	**2390**	ug/L	25.0	6.4	25		10/24/16 18:40	156-59-2	
trans-1,2-Dichloroethene	**80.5**	ug/L	25.0	6.4	25		10/24/16 18:40	156-60-5	
1,2-Dichloropropane	**<5.8**	ug/L	25.0	5.8	25		10/24/16 18:40	78-87-5	
1,3-Dichloropropane	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	142-28-9	
2,2-Dichloropropane	**<12.1**	ug/L	25.0	12.1	25		10/24/16 18:40	594-20-7	
1,1-Dichloropropene	**<11.0**	ug/L	25.0	11.0	25		10/24/16 18:40	563-58-6	
cis-1,3-Dichloropropene	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	10061-01-5	
trans-1,3-Dichloropropene	**<5.7**	ug/L	25.0	5.7	25		10/24/16 18:40	10061-02-6	
Diisopropyl ether	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	108-20-3	
Ethylbenzene	**204**	ug/L	25.0	12.5	25		10/24/16 18:40	100-41-4	
Hexachloro-1,3-butadiene	**<52.6**	ug/L	125	52.6	25		10/24/16 18:40	87-68-3	
Isopropylbenzene (Cumene)	**9.4J**	ug/L	25.0	3.6	25		10/24/16 18:40	98-82-8	
p-Isopropyltoluene	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	99-87-6	
Methylene Chloride	**<5.8**	ug/L	25.0	5.8	25		10/24/16 18:40	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-4 **Lab ID: 40140236002** Collected: 10/14/16 10:50 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<4.4**	ug/L	25.0	4.4	25		10/24/16 18:40	1634-04-4	
Naphthalene	**<62.5**	ug/L	125	62.5	25		10/24/16 18:40	91-20-3	
n-Propylbenzene	**17.9J**	ug/L	25.0	12.5	25		10/24/16 18:40	103-65-1	
Styrene	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	100-42-5	
1,1,1,2-Tetrachloroethane	**<4.5**	ug/L	25.0	4.5	25		10/24/16 18:40	630-20-6	
1,1,2,2-Tetrachloroethane	**<6.2**	ug/L	25.0	6.2	25		10/24/16 18:40	79-34-5	
Tetrachloroethene	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	127-18-4	
Toluene	**154**	ug/L	25.0	12.5	25		10/24/16 18:40	108-88-3	
1,2,3-Trichlorobenzene	**<53.3**	ug/L	125	53.3	25		10/24/16 18:40	87-61-6	
1,2,4-Trichlorobenzene	**<55.2**	ug/L	125	55.2	25		10/24/16 18:40	120-82-1	
1,1,1-Trichloroethane	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	71-55-6	
1,1,2-Trichloroethane	**<4.9**	ug/L	25.0	4.9	25		10/24/16 18:40	79-00-5	
Trichloroethene	**<8.3**	ug/L	25.0	8.3	25		10/24/16 18:40	79-01-6	
Trichlorofluoromethane	**<4.6**	ug/L	25.0	4.6	25		10/24/16 18:40	75-69-4	
1,2,3-Trichloropropane	**<12.5**	ug/L	25.0	12.5	25		10/24/16 18:40	96-18-4	
1,2,4-Trimethylbenzene	**43.6**	ug/L	25.0	12.5	25		10/24/16 18:40	95-63-6	
1,3,5-Trimethylbenzene	**17.8J**	ug/L	25.0	12.5	25		10/24/16 18:40	108-67-8	
Vinyl chloride	**728**	ug/L	25.0	4.4	25		10/24/16 18:40	75-01-4	
m&p-Xylene	**563**	ug/L	50.0	25.0	25		10/24/16 18:40	179601-23-1	
o-Xylene	**138**	ug/L	25.0	12.5	25		10/24/16 18:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		25		10/24/16 18:40	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		25		10/24/16 18:40	1868-53-7	
Toluene-d8 (S)	98	%	70-130		25		10/24/16 18:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-6 **Lab ID: 40140236003** Collected: 10/14/16 09:40 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	71-43-2	L3
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/19/16 20:55	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/19/16 20:55	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/19/16 20:55	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/19/16 20:55	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/19/16 20:55	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/19/16 20:55	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/19/16 20:55	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/19/16 20:55	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/19/16 20:55	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/19/16 20:55	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/19/16 20:55	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/19/16 20:55	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/19/16 20:55	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/19/16 20:55	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/19/16 20:55	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/19/16 20:55	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/19/16 20:55	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/19/16 20:55	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/19/16 20:55	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/19/16 20:55	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/19/16 20:55	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/19/16 20:55	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/19/16 20:55	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/19/16 20:55	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/19/16 20:55	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/19/16 20:55	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/19/16 20:55	630-20-6	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-6 **Lab ID: 40140236003** Collected: 10/14/16 09:40 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/19/16 20:55	79-34-5	
Tetrachloroethene	**3.1**	ug/L	1.0	0.50	1		10/19/16 20:55	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/19/16 20:55	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/19/16 20:55	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/19/16 20:55	79-00-5	
Trichloroethene	**0.38J**	ug/L	1.0	0.33	1		10/19/16 20:55	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/19/16 20:55	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/19/16 20:55	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/19/16 20:55	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/19/16 20:55	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		10/19/16 20:55	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		10/19/16 20:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-7 **Lab ID: 40140236004** Collected: 10/14/16 11:00 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	71-43-2	
Bromobenzene	**<9.2**	ug/L	40.0	9.2	40		10/24/16 19:02	108-86-1	
Bromochloromethane	**<13.6**	ug/L	40.0	13.6	40		10/24/16 19:02	74-97-5	
Bromodichloromethane	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	75-27-4	
Bromoform	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	75-25-2	
Bromomethane	**<97.4**	ug/L	200	97.4	40		10/24/16 19:02	74-83-9	
n-Butylbenzene	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	104-51-8	
sec-Butylbenzene	**<87.4**	ug/L	200	87.4	40		10/24/16 19:02	135-98-8	
tert-Butylbenzene	**<7.2**	ug/L	40.0	7.2	40		10/24/16 19:02	98-06-6	
Carbon tetrachloride	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	56-23-5	
Chlorobenzene	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	108-90-7	
Chloroethane	**<15.0**	ug/L	40.0	15.0	40		10/24/16 19:02	75-00-3	
Chloroform	**<100**	ug/L	200	100	40		10/24/16 19:02	67-66-3	
Chloromethane	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	74-87-3	
2-Chlorotoluene	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	95-49-8	
4-Chlorotoluene	**<8.5**	ug/L	40.0	8.5	40		10/24/16 19:02	106-43-4	
1,2-Dibromo-3-chloropropane	**<86.6**	ug/L	200	86.6	40		10/24/16 19:02	96-12-8	
Dibromochloromethane	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	124-48-1	
1,2-Dibromoethane (EDB)	**<7.1**	ug/L	40.0	7.1	40		10/24/16 19:02	106-93-4	
Dibromomethane	**<17.1**	ug/L	40.0	17.1	40		10/24/16 19:02	74-95-3	
1,2-Dichlorobenzene	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	95-50-1	
1,3-Dichlorobenzene	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	541-73-1	
1,4-Dichlorobenzene	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	106-46-7	
Dichlorodifluoromethane	**<9.0**	ug/L	40.0	9.0	40		10/24/16 19:02	75-71-8	
1,1-Dichloroethane	**<9.7**	ug/L	40.0	9.7	40		10/24/16 19:02	75-34-3	
1,2-Dichloroethane	**<6.7**	ug/L	40.0	6.7	40		10/24/16 19:02	107-06-2	
1,1-Dichloroethene	**<16.4**	ug/L	40.0	16.4	40		10/24/16 19:02	75-35-4	
cis-1,2-Dichloroethene	**<10.2**	ug/L	40.0	10.2	40		10/24/16 19:02	156-59-2	
trans-1,2-Dichloroethene	**<10.3**	ug/L	40.0	10.3	40		10/24/16 19:02	156-60-5	
1,2-Dichloropropane	**<9.3**	ug/L	40.0	9.3	40		10/24/16 19:02	78-87-5	
1,3-Dichloropropane	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	142-28-9	
2,2-Dichloropropane	**<19.4**	ug/L	40.0	19.4	40		10/24/16 19:02	594-20-7	
1,1-Dichloropropene	**<17.6**	ug/L	40.0	17.6	40		10/24/16 19:02	563-58-6	
cis-1,3-Dichloropropene	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	10061-01-5	
trans-1,3-Dichloropropene	**<9.2**	ug/L	40.0	9.2	40		10/24/16 19:02	10061-02-6	
Diisopropyl ether	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	108-20-3	
Ethylbenzene	**3140**	ug/L	40.0	20.0	40		10/24/16 19:02	100-41-4	
Hexachloro-1,3-butadiene	**<84.2**	ug/L	200	84.2	40		10/24/16 19:02	87-68-3	
Isopropylbenzene (Cumene)	**80.9**	ug/L	40.0	5.7	40		10/24/16 19:02	98-82-8	
p-Isopropyltoluene	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	99-87-6	
Methylene Chloride	**<9.3**	ug/L	40.0	9.3	40		10/24/16 19:02	75-09-2	
Methyl-tert-butyl ether	**<7.0**	ug/L	40.0	7.0	40		10/24/16 19:02	1634-04-4	
Naphthalene	**340**	ug/L	200	100	40		10/24/16 19:02	91-20-3	
n-Propylbenzene	**204**	ug/L	40.0	20.0	40		10/24/16 19:02	103-65-1	
Styrene	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	100-42-5	
1,1,1,2-Tetrachloroethane	**<7.2**	ug/L	40.0	7.2	40		10/24/16 19:02	630-20-6	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-7 **Lab ID: 40140236004** Collected: 10/14/16 11:00 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<10**	ug/L	40.0	10	40		10/24/16 19:02	79-34-5	
Tetrachloroethene	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	127-18-4	
Toluene	**88.3**	ug/L	40.0	20.0	40		10/24/16 19:02	108-88-3	
1,2,3-Trichlorobenzene	**<85.3**	ug/L	200	85.3	40		10/24/16 19:02	87-61-6	
1,2,4-Trichlorobenzene	**<88.4**	ug/L	200	88.4	40		10/24/16 19:02	120-82-1	
1,1,1-Trichloroethane	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	71-55-6	
1,1,2-Trichloroethane	**<7.9**	ug/L	40.0	7.9	40		10/24/16 19:02	79-00-5	
Trichloroethene	**<13.2**	ug/L	40.0	13.2	40		10/24/16 19:02	79-01-6	
Trichlorofluoromethane	**<7.4**	ug/L	40.0	7.4	40		10/24/16 19:02	75-69-4	
1,2,3-Trichloropropane	**<20.0**	ug/L	40.0	20.0	40		10/24/16 19:02	96-18-4	
1,2,4-Trimethylbenzene	**1490**	ug/L	40.0	20.0	40		10/24/16 19:02	95-63-6	
1,3,5-Trimethylbenzene	**314**	ug/L	40.0	20.0	40		10/24/16 19:02	108-67-8	
Vinyl chloride	**<7.0**	ug/L	40.0	7.0	40		10/24/16 19:02	75-01-4	
m&p-Xylene	**9850**	ug/L	80.0	40.0	40		10/24/16 19:02	179601-23-1	
o-Xylene	**3250**	ug/L	40.0	20.0	40		10/24/16 19:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		40		10/24/16 19:02	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		40		10/24/16 19:02	1868-53-7	
Toluene-d8 (S)	98	%	70-130		40		10/24/16 19:02	2037-26-5	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-8 **Lab ID: 40140236005** Collected: 10/14/16 09:35 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**1.0**	ug/L	1.0	0.50	1		10/24/16 21:16	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/24/16 21:16	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/24/16 21:16	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/24/16 21:16	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/16 21:16	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/24/16 21:16	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/24/16 21:16	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/24/16 21:16	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/24/16 21:16	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/24/16 21:16	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/24/16 21:16	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/24/16 21:16	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/24/16 21:16	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/24/16 21:16	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/24/16 21:16	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/24/16 21:16	75-35-4	
cis-1,2-Dichloroethene	**0.57J**	ug/L	1.0	0.26	1		10/24/16 21:16	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/24/16 21:16	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/24/16 21:16	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/24/16 21:16	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/24/16 21:16	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/24/16 21:16	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/24/16 21:16	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/24/16 21:16	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/24/16 21:16	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/24/16 21:16	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/24/16 21:16	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/24/16 21:16	630-20-6	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-8 **Lab ID: 40140236005** Collected: 10/14/16 09:35 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/24/16 21:16	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	127-18-4	
Toluene	**1.8**	ug/L	1.0	0.50	1		10/24/16 21:16	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/24/16 21:16	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/16 21:16	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/24/16 21:16	79-00-5	
Trichloroethene	**0.39J**	ug/L	1.0	0.33	1		10/24/16 21:16	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/24/16 21:16	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	96-18-4	
1,2,4-Trimethylbenzene	**0.65J**	ug/L	1.0	0.50	1		10/24/16 21:16	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/24/16 21:16	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/24/16 21:16	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/24/16 21:16	460-00-4	
Dibromofluoromethane (S)	89	%	70-130		1		10/24/16 21:16	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		10/24/16 21:16	2037-26-5	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-9 **Lab ID: 40140236006** Collected: 10/14/16 11:10 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**20.3**	ug/L	5.6	0.58	1		10/19/16 09:11	74-84-0	
Ethene	**520**	ug/L	125	13.1	25		10/19/16 10:53	74-85-1	
Methane	**2700**	ug/L	70.0	34.2	25		10/19/16 10:53	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<125**	ug/L	250	125	250		10/20/16 00:04	71-43-2	L3
Bromobenzene	**<57.5**	ug/L	250	57.5	250		10/20/16 00:04	108-86-1	
Bromochloromethane	**<85.1**	ug/L	250	85.1	250		10/20/16 00:04	74-97-5	
Bromodichloromethane	**<125**	ug/L	250	125	250		10/20/16 00:04	75-27-4	
Bromoform	**<125**	ug/L	250	125	250		10/20/16 00:04	75-25-2	
Bromomethane	**<609**	ug/L	1250	609	250		10/20/16 00:04	74-83-9	
n-Butylbenzene	**<125**	ug/L	250	125	250		10/20/16 00:04	104-51-8	
sec-Butylbenzene	**<547**	ug/L	1250	547	250		10/20/16 00:04	135-98-8	
tert-Butylbenzene	**<45.1**	ug/L	250	45.1	250		10/20/16 00:04	98-06-6	
Carbon tetrachloride	**<125**	ug/L	250	125	250		10/20/16 00:04	56-23-5	
Chlorobenzene	**<125**	ug/L	250	125	250		10/20/16 00:04	108-90-7	
Chloroethane	**<93.6**	ug/L	250	93.6	250		10/20/16 00:04	75-00-3	
Chloroform	**<625**	ug/L	1250	625	250		10/20/16 00:04	67-66-3	
Chloromethane	**<125**	ug/L	250	125	250		10/20/16 00:04	74-87-3	
2-Chlorotoluene	**<125**	ug/L	250	125	250		10/20/16 00:04	95-49-8	
4-Chlorotoluene	**<53.4**	ug/L	250	53.4	250		10/20/16 00:04	106-43-4	
1,2-Dibromo-3-chloropropane	**<541**	ug/L	1250	541	250		10/20/16 00:04	96-12-8	
Dibromochloromethane	**<125**	ug/L	250	125	250		10/20/16 00:04	124-48-1	
1,2-Dibromoethane (EDB)	**<44.4**	ug/L	250	44.4	250		10/20/16 00:04	106-93-4	
Dibromomethane	**<107**	ug/L	250	107	250		10/20/16 00:04	74-95-3	
1,2-Dichlorobenzene	**<125**	ug/L	250	125	250		10/20/16 00:04	95-50-1	
1,3-Dichlorobenzene	**<125**	ug/L	250	125	250		10/20/16 00:04	541-73-1	
1,4-Dichlorobenzene	**<125**	ug/L	250	125	250		10/20/16 00:04	106-46-7	
Dichlorodifluoromethane	**<56.0**	ug/L	250	56.0	250		10/20/16 00:04	75-71-8	
1,1-Dichloroethane	**<60.4**	ug/L	250	60.4	250		10/20/16 00:04	75-34-3	
1,2-Dichloroethane	**<42.0**	ug/L	250	42.0	250		10/20/16 00:04	107-06-2	
1,1-Dichloroethene	**347**	ug/L	250	103	250		10/20/16 00:04	75-35-4	
cis-1,2-Dichloroethene	**43300**	ug/L	250	64.0	250		10/20/16 00:04	156-59-2	
trans-1,2-Dichloroethene	**149J**	ug/L	250	64.1	250		10/20/16 00:04	156-60-5	
1,2-Dichloropropane	**<58.3**	ug/L	250	58.3	250		10/20/16 00:04	78-87-5	
1,3-Dichloropropane	**<125**	ug/L	250	125	250		10/20/16 00:04	142-28-9	
2,2-Dichloropropane	**<121**	ug/L	250	121	250		10/20/16 00:04	594-20-7	
1,1-Dichloropropene	**<110**	ug/L	250	110	250		10/20/16 00:04	563-58-6	
cis-1,3-Dichloropropene	**<125**	ug/L	250	125	250		10/20/16 00:04	10061-01-5	
trans-1,3-Dichloropropene	**<57.4**	ug/L	250	57.4	250		10/20/16 00:04	10061-02-6	
Diisopropyl ether	**<125**	ug/L	250	125	250		10/20/16 00:04	108-20-3	
Ethylbenzene	**176J**	ug/L	250	125	250		10/20/16 00:04	100-41-4	
Hexachloro-1,3-butadiene	**<526**	ug/L	1250	526	250		10/20/16 00:04	87-68-3	
Isopropylbenzene (Cumene)	**<35.8**	ug/L	250	35.8	250		10/20/16 00:04	98-82-8	
p-Isopropyltoluene	**<125**	ug/L	250	125	250		10/20/16 00:04	99-87-6	
Methylene Chloride	**<58.1**	ug/L	250	58.1	250		10/20/16 00:04	75-09-2	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-9 **Lab ID: 40140236006** Collected: 10/14/16 11:10 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<43.6**	ug/L	250	43.6	250		10/20/16 00:04	1634-04-4	
Naphthalene	**<625**	ug/L	1250	625	250		10/20/16 00:04	91-20-3	
n-Propylbenzene	**<125**	ug/L	250	125	250		10/20/16 00:04	103-65-1	
Styrene	**<125**	ug/L	250	125	250		10/20/16 00:04	100-42-5	
1,1,1,2-Tetrachloroethane	**<45.1**	ug/L	250	45.1	250		10/20/16 00:04	630-20-6	
1,1,2,2-Tetrachloroethane	**<62.3**	ug/L	250	62.3	250		10/20/16 00:04	79-34-5	
Tetrachloroethene	**369**	ug/L	250	125	250		10/20/16 00:04	127-18-4	
Toluene	**<125**	ug/L	250	125	250		10/20/16 00:04	108-88-3	
1,2,3-Trichlorobenzene	**<533**	ug/L	1250	533	250		10/20/16 00:04	87-61-6	
1,2,4-Trichlorobenzene	**<552**	ug/L	1250	552	250		10/20/16 00:04	120-82-1	
1,1,1-Trichloroethane	**<125**	ug/L	250	125	250		10/20/16 00:04	71-55-6	
1,1,2-Trichloroethane	**<49.3**	ug/L	250	49.3	250		10/20/16 00:04	79-00-5	
Trichloroethene	**<82.7**	ug/L	250	82.7	250		10/20/16 00:04	79-01-6	
Trichlorofluoromethane	**<46.2**	ug/L	250	46.2	250		10/20/16 00:04	75-69-4	
1,2,3-Trichloropropane	**<125**	ug/L	250	125	250		10/20/16 00:04	96-18-4	
1,2,4-Trimethylbenzene	**<125**	ug/L	250	125	250		10/20/16 00:04	95-63-6	
1,3,5-Trimethylbenzene	**<125**	ug/L	250	125	250		10/20/16 00:04	108-67-8	
Vinyl chloride	**9770**	ug/L	250	43.9	250		10/20/16 00:04	75-01-4	
m&p-Xylene	**<250**	ug/L	500	250	250		10/20/16 00:04	179601-23-1	
o-Xylene	**<125**	ug/L	250	125	250		10/20/16 00:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		250		10/20/16 00:04	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		250		10/20/16 00:04	1868-53-7	
Toluene-d8 (S)	104	%	70-130		250		10/20/16 00:04	2037-26-5	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-10 **Lab ID: 40140236007** Collected: 10/14/16 10:35 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**6.2**	ug/L	5.6	0.58	1		10/19/16 09:18	74-84-0	
Ethene	**19.3**	ug/L	5.0	0.52	1		10/19/16 09:18	74-85-1	
Methane	**482**	ug/L	11.2	5.5	4		10/19/16 11:00	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	71-43-2	
Bromobenzene	**<4.6**	ug/L	20.0	4.6	20		10/24/16 19:24	108-86-1	
Bromochloromethane	**<6.8**	ug/L	20.0	6.8	20		10/24/16 19:24	74-97-5	
Bromodichloromethane	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	75-27-4	
Bromoform	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	75-25-2	
Bromomethane	**<48.7**	ug/L	100	48.7	20		10/24/16 19:24	74-83-9	
n-Butylbenzene	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	104-51-8	
sec-Butylbenzene	**<43.7**	ug/L	100	43.7	20		10/24/16 19:24	135-98-8	
tert-Butylbenzene	**<3.6**	ug/L	20.0	3.6	20		10/24/16 19:24	98-06-6	
Carbon tetrachloride	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	56-23-5	
Chlorobenzene	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	108-90-7	
Chloroethane	**<7.5**	ug/L	20.0	7.5	20		10/24/16 19:24	75-00-3	
Chloroform	**<50.0**	ug/L	100	50.0	20		10/24/16 19:24	67-66-3	
Chloromethane	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	74-87-3	
2-Chlorotoluene	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	95-49-8	
4-Chlorotoluene	**<4.3**	ug/L	20.0	4.3	20		10/24/16 19:24	106-43-4	
1,2-Dibromo-3-chloropropane	**<43.3**	ug/L	100	43.3	20		10/24/16 19:24	96-12-8	
Dibromochloromethane	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	124-48-1	
1,2-Dibromoethane (EDB)	**<3.6**	ug/L	20.0	3.6	20		10/24/16 19:24	106-93-4	
Dibromomethane	**<8.5**	ug/L	20.0	8.5	20		10/24/16 19:24	74-95-3	
1,2-Dichlorobenzene	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	95-50-1	
1,3-Dichlorobenzene	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	541-73-1	
1,4-Dichlorobenzene	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	106-46-7	
Dichlorodifluoromethane	**<4.5**	ug/L	20.0	4.5	20		10/24/16 19:24	75-71-8	
1,1-Dichloroethane	**<4.8**	ug/L	20.0	4.8	20		10/24/16 19:24	75-34-3	
1,2-Dichloroethane	**<3.4**	ug/L	20.0	3.4	20		10/24/16 19:24	107-06-2	
1,1-Dichloroethene	**8.8J**	ug/L	20.0	8.2	20		10/24/16 19:24	75-35-4	
cis-1,2-Dichloroethene	**1430**	ug/L	20.0	5.1	20		10/24/16 19:24	156-59-2	
trans-1,2-Dichloroethene	**13.7J**	ug/L	20.0	5.1	20		10/24/16 19:24	156-60-5	
1,2-Dichloropropane	**<4.7**	ug/L	20.0	4.7	20		10/24/16 19:24	78-87-5	
1,3-Dichloropropane	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	142-28-9	
2,2-Dichloropropane	**<9.7**	ug/L	20.0	9.7	20		10/24/16 19:24	594-20-7	
1,1-Dichloropropene	**<8.8**	ug/L	20.0	8.8	20		10/24/16 19:24	563-58-6	
cis-1,3-Dichloropropene	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	10061-01-5	
trans-1,3-Dichloropropene	**<4.6**	ug/L	20.0	4.6	20		10/24/16 19:24	10061-02-6	
Diisopropyl ether	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	108-20-3	
Ethylbenzene	**451**	ug/L	20.0	10.0	20		10/24/16 19:24	100-41-4	
Hexachloro-1,3-butadiene	**<42.1**	ug/L	100	42.1	20		10/24/16 19:24	87-68-3	
Isopropylbenzene (Cumene)	**34.3**	ug/L	20.0	2.9	20		10/24/16 19:24	98-82-8	
p-Isopropyltoluene	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	99-87-6	
Methylene Chloride	**<4.7**	ug/L	20.0	4.7	20		10/24/16 19:24	75-09-2	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-10 **Lab ID: 40140236007** Collected: 10/14/16 10:35 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<3.5**	ug/L	20.0	3.5	20		10/24/16 19:24	1634-04-4	
Naphthalene	**82.3J**	ug/L	100	50.0	20		10/24/16 19:24	91-20-3	
n-Propylbenzene	**72.9**	ug/L	20.0	10.0	20		10/24/16 19:24	103-65-1	
Styrene	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	100-42-5	
1,1,1,2-Tetrachloroethane	**<3.6**	ug/L	20.0	3.6	20		10/24/16 19:24	630-20-6	
1,1,2,2-Tetrachloroethane	**<5.0**	ug/L	20.0	5.0	20		10/24/16 19:24	79-34-5	
Tetrachloroethene	**242**	ug/L	20.0	10.0	20		10/24/16 19:24	127-18-4	
Toluene	**290**	ug/L	20.0	10.0	20		10/24/16 19:24	108-88-3	
1,2,3-Trichlorobenzene	**<42.7**	ug/L	100	42.7	20		10/24/16 19:24	87-61-6	
1,2,4-Trichlorobenzene	**<44.2**	ug/L	100	44.2	20		10/24/16 19:24	120-82-1	
1,1,1-Trichloroethane	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	71-55-6	
1,1,2-Trichloroethane	**<3.9**	ug/L	20.0	3.9	20		10/24/16 19:24	79-00-5	
Trichloroethene	**251**	ug/L	20.0	6.6	20		10/24/16 19:24	79-01-6	
Trichlorofluoromethane	**<3.7**	ug/L	20.0	3.7	20		10/24/16 19:24	75-69-4	
1,2,3-Trichloropropane	**<10.0**	ug/L	20.0	10.0	20		10/24/16 19:24	96-18-4	
1,2,4-Trimethylbenzene	**612**	ug/L	20.0	10.0	20		10/24/16 19:24	95-63-6	
1,3,5-Trimethylbenzene	**37.8**	ug/L	20.0	10.0	20		10/24/16 19:24	108-67-8	
Vinyl chloride	**50.8**	ug/L	20.0	3.5	20		10/24/16 19:24	75-01-4	
m&p-Xylene	**1180**	ug/L	40.0	20.0	20		10/24/16 19:24	179601-23-1	
o-Xylene	**242**	ug/L	20.0	10.0	20		10/24/16 19:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		20		10/24/16 19:24	460-00-4	
Dibromofluoromethane (S)	89	%	70-130		20		10/24/16 19:24	1868-53-7	
Toluene-d8 (S)	99	%	70-130		20		10/24/16 19:24	2037-26-5	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-11 **Lab ID: 40140236008** Collected: 10/14/16 09:25 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	71-43-2	L3
Bromobenzene	**<0.46**	ug/L	2.0	0.46	2		10/20/16 01:08	108-86-1	
Bromochloromethane	**<0.68**	ug/L	2.0	0.68	2		10/20/16 01:08	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	75-27-4	
Bromoform	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	75-25-2	
Bromomethane	**<4.9**	ug/L	10.0	4.9	2		10/20/16 01:08	74-83-9	
n-Butylbenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	104-51-8	
sec-Butylbenzene	**<4.4**	ug/L	10.0	4.4	2		10/20/16 01:08	135-98-8	
tert-Butylbenzene	**<0.36**	ug/L	2.0	0.36	2		10/20/16 01:08	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	56-23-5	
Chlorobenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	108-90-7	
Chloroethane	**<0.75**	ug/L	2.0	0.75	2		10/20/16 01:08	75-00-3	
Chloroform	**<5.0**	ug/L	10.0	5.0	2		10/20/16 01:08	67-66-3	
Chloromethane	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	95-49-8	
4-Chlorotoluene	**<0.43**	ug/L	2.0	0.43	2		10/20/16 01:08	106-43-4	
1,2-Dibromo-3-chloropropane	**<4.3**	ug/L	10.0	4.3	2		10/20/16 01:08	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	124-48-1	
1,2-Dibromoethane (EDB)	**<0.36**	ug/L	2.0	0.36	2		10/20/16 01:08	106-93-4	
Dibromomethane	**<0.85**	ug/L	2.0	0.85	2		10/20/16 01:08	74-95-3	
1,2-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	106-46-7	
Dichlorodifluoromethane	**<0.45**	ug/L	2.0	0.45	2		10/20/16 01:08	75-71-8	
1,1-Dichloroethane	**<0.48**	ug/L	2.0	0.48	2		10/20/16 01:08	75-34-3	
1,2-Dichloroethane	**<0.34**	ug/L	2.0	0.34	2		10/20/16 01:08	107-06-2	
1,1-Dichloroethene	**<0.82**	ug/L	2.0	0.82	2		10/20/16 01:08	75-35-4	
cis-1,2-Dichloroethene	**107**	ug/L	2.0	0.51	2		10/20/16 01:08	156-59-2	
trans-1,2-Dichloroethene	**4.0**	ug/L	2.0	0.51	2		10/20/16 01:08	156-60-5	
1,2-Dichloropropane	**<0.47**	ug/L	2.0	0.47	2		10/20/16 01:08	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	142-28-9	
2,2-Dichloropropane	**<0.97**	ug/L	2.0	0.97	2		10/20/16 01:08	594-20-7	
1,1-Dichloropropene	**<0.88**	ug/L	2.0	0.88	2		10/20/16 01:08	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	10061-01-5	
trans-1,3-Dichloropropene	**<0.46**	ug/L	2.0	0.46	2		10/20/16 01:08	10061-02-6	
Diisopropyl ether	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	108-20-3	
Ethylbenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	100-41-4	
Hexachloro-1,3-butadiene	**<4.2**	ug/L	10.0	4.2	2		10/20/16 01:08	87-68-3	
Isopropylbenzene (Cumene)	**<0.29**	ug/L	2.0	0.29	2		10/20/16 01:08	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	99-87-6	
Methylene Chloride	**<0.47**	ug/L	2.0	0.47	2		10/20/16 01:08	75-09-2	
Methyl-tert-butyl ether	**<0.35**	ug/L	2.0	0.35	2		10/20/16 01:08	1634-04-4	
Naphthalene	**<5.0**	ug/L	10.0	5.0	2		10/20/16 01:08	91-20-3	
n-Propylbenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	103-65-1	
Styrene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	2.0	0.36	2		10/20/16 01:08	630-20-6	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-11 **Lab ID: 40140236008** Collected: 10/14/16 09:25 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	2.0	0.50	2		10/20/16 01:08	79-34-5	
Tetrachloroethene	**269**	ug/L	2.0	1.0	2		10/20/16 01:08	127-18-4	
Toluene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	108-88-3	
1,2,3-Trichlorobenzene	**<4.3**	ug/L	10.0	4.3	2		10/20/16 01:08	87-61-6	
1,2,4-Trichlorobenzene	**<4.4**	ug/L	10.0	4.4	2		10/20/16 01:08	120-82-1	
1,1,1-Trichloroethane	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	71-55-6	
1,1,2-Trichloroethane	**<0.39**	ug/L	2.0	0.39	2		10/20/16 01:08	79-00-5	
Trichloroethene	**85.5**	ug/L	2.0	0.66	2		10/20/16 01:08	79-01-6	
Trichlorofluoromethane	**<0.37**	ug/L	2.0	0.37	2		10/20/16 01:08	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	108-67-8	
Vinyl chloride	**6.5**	ug/L	2.0	0.35	2		10/20/16 01:08	75-01-4	
m&p-Xylene	**<2.0**	ug/L	4.0	2.0	2		10/20/16 01:08	179601-23-1	
o-Xylene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		2		10/20/16 01:08	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		2		10/20/16 01:08	1868-53-7	
Toluene-d8 (S)	102	%	70-130		2		10/20/16 01:08	2037-26-5	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-14 **Lab ID: 40140236009** Collected: 10/14/16 09:15 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**1.8J**	ug/L	5.6	0.58	1		10/19/16 09:25	74-84-0	
Ethene	**10.1**	ug/L	5.0	0.52	1		10/19/16 09:25	74-85-1	
Methane	**212**	ug/L	2.8	1.4	1		10/19/16 09:25	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	71-43-2	L3
Bromobenzene	**<0.46**	ug/L	2.0	0.46	2		10/20/16 01:29	108-86-1	
Bromochloromethane	**<0.68**	ug/L	2.0	0.68	2		10/20/16 01:29	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	75-27-4	
Bromoform	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	75-25-2	
Bromomethane	**<4.9**	ug/L	10.0	4.9	2		10/20/16 01:29	74-83-9	
n-Butylbenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	104-51-8	
sec-Butylbenzene	**<4.4**	ug/L	10.0	4.4	2		10/20/16 01:29	135-98-8	
tert-Butylbenzene	**<0.36**	ug/L	2.0	0.36	2		10/20/16 01:29	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	56-23-5	
Chlorobenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	108-90-7	
Chloroethane	**<0.75**	ug/L	2.0	0.75	2		10/20/16 01:29	75-00-3	
Chloroform	**<5.0**	ug/L	10.0	5.0	2		10/20/16 01:29	67-66-3	
Chloromethane	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	95-49-8	
4-Chlorotoluene	**<0.43**	ug/L	2.0	0.43	2		10/20/16 01:29	106-43-4	
1,2-Dibromo-3-chloropropane	**<4.3**	ug/L	10.0	4.3	2		10/20/16 01:29	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	124-48-1	
1,2-Dibromoethane (EDB)	**<0.36**	ug/L	2.0	0.36	2		10/20/16 01:29	106-93-4	
Dibromomethane	**<0.85**	ug/L	2.0	0.85	2		10/20/16 01:29	74-95-3	
1,2-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	106-46-7	
Dichlorodifluoromethane	**<0.45**	ug/L	2.0	0.45	2		10/20/16 01:29	75-71-8	
1,1-Dichloroethane	**<0.48**	ug/L	2.0	0.48	2		10/20/16 01:29	75-34-3	
1,2-Dichloroethane	**<0.34**	ug/L	2.0	0.34	2		10/20/16 01:29	107-06-2	
1,1-Dichloroethene	**2.7**	ug/L	2.0	0.82	2		10/20/16 01:29	75-35-4	
cis-1,2-Dichloroethene	**443**	ug/L	2.0	0.51	2		10/20/16 01:29	156-59-2	
trans-1,2-Dichloroethene	**26.8**	ug/L	2.0	0.51	2		10/20/16 01:29	156-60-5	
1,2-Dichloropropane	**<0.47**	ug/L	2.0	0.47	2		10/20/16 01:29	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	142-28-9	
2,2-Dichloropropane	**<0.97**	ug/L	2.0	0.97	2		10/20/16 01:29	594-20-7	
1,1-Dichloropropene	**<0.88**	ug/L	2.0	0.88	2		10/20/16 01:29	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	10061-01-5	
trans-1,3-Dichloropropene	**<0.46**	ug/L	2.0	0.46	2		10/20/16 01:29	10061-02-6	
Diisopropyl ether	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	108-20-3	
Ethylbenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	100-41-4	
Hexachloro-1,3-butadiene	**<4.2**	ug/L	10.0	4.2	2		10/20/16 01:29	87-68-3	
Isopropylbenzene (Cumene)	**<0.29**	ug/L	2.0	0.29	2		10/20/16 01:29	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	99-87-6	
Methylene Chloride	**<0.47**	ug/L	2.0	0.47	2		10/20/16 01:29	75-09-2	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: SMW-14 **Lab ID: 40140236009** Collected: 10/14/16 09:15 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<0.35**	ug/L	2.0	0.35	2		10/20/16 01:29	1634-04-4	
Naphthalene	**<5.0**	ug/L	10.0	5.0	2		10/20/16 01:29	91-20-3	
n-Propylbenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	103-65-1	
Styrene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	2.0	0.36	2		10/20/16 01:29	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	2.0	0.50	2		10/20/16 01:29	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	127-18-4	
Toluene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	108-88-3	
1,2,3-Trichlorobenzene	**<4.3**	ug/L	10.0	4.3	2		10/20/16 01:29	87-61-6	
1,2,4-Trichlorobenzene	**<4.4**	ug/L	10.0	4.4	2		10/20/16 01:29	120-82-1	
1,1,1-Trichloroethane	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	71-55-6	
1,1,2-Trichloroethane	**<0.39**	ug/L	2.0	0.39	2		10/20/16 01:29	79-00-5	
Trichloroethene	**<0.66**	ug/L	2.0	0.66	2		10/20/16 01:29	79-01-6	
Trichlorofluoromethane	**<0.37**	ug/L	2.0	0.37	2		10/20/16 01:29	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	108-67-8	
Vinyl chloride	**178**	ug/L	2.0	0.35	2		10/20/16 01:29	75-01-4	
m&p-Xylene	**<2.0**	ug/L	4.0	2.0	2		10/20/16 01:29	179601-23-1	
o-Xylene	**<1.0**	ug/L	2.0	1.0	2		10/20/16 01:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		2		10/20/16 01:29	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		2		10/20/16 01:29	1868-53-7	
Toluene-d8 (S)	101	%	70-130		2		10/20/16 01:29	2037-26-5	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: PZ-1 **Lab ID: 40140236010** Collected: 10/14/16 09:45 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	71-43-2	L3
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/19/16 21:58	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/19/16 21:58	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/19/16 21:58	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/19/16 21:58	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/19/16 21:58	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/19/16 21:58	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/19/16 21:58	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/19/16 21:58	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/19/16 21:58	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/19/16 21:58	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/19/16 21:58	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/19/16 21:58	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/19/16 21:58	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/19/16 21:58	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/19/16 21:58	75-35-4	
cis-1,2-Dichloroethene	**0.60J**	ug/L	1.0	0.26	1		10/19/16 21:58	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/19/16 21:58	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/19/16 21:58	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/19/16 21:58	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/19/16 21:58	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/19/16 21:58	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/19/16 21:58	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/19/16 21:58	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/19/16 21:58	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/19/16 21:58	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/19/16 21:58	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/19/16 21:58	630-20-6	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: PZ-1 **Lab ID: 40140236010** Collected: 10/14/16 09:45 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/19/16 21:58	79-34-5	
Tetrachloroethene	**0.95J**	ug/L	1.0	0.50	1		10/19/16 21:58	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/19/16 21:58	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/19/16 21:58	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/19/16 21:58	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/19/16 21:58	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/19/16 21:58	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/19/16 21:58	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/19/16 21:58	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 21:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		10/19/16 21:58	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		10/19/16 21:58	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		10/19/16 21:58	2037-26-5	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: PZ-2 **Lab ID: 40140236011** Collected: 10/14/16 09:50 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**1.2**	ug/L	1.0	0.50	1		10/24/16 21:38	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/24/16 21:38	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/24/16 21:38	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/24/16 21:38	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/16 21:38	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/24/16 21:38	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/24/16 21:38	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/24/16 21:38	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/24/16 21:38	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/24/16 21:38	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/24/16 21:38	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/24/16 21:38	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/24/16 21:38	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/24/16 21:38	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/24/16 21:38	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/24/16 21:38	75-35-4	
cis-1,2-Dichloroethene	**13.4**	ug/L	1.0	0.26	1		10/24/16 21:38	156-59-2	
trans-1,2-Dichloroethene	**1.0**	ug/L	1.0	0.26	1		10/24/16 21:38	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/24/16 21:38	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/24/16 21:38	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/24/16 21:38	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/24/16 21:38	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/24/16 21:38	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/24/16 21:38	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/24/16 21:38	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/24/16 21:38	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/24/16 21:38	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/24/16 21:38	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: PZ-2 **Lab ID: 40140236011** Collected: 10/14/16 09:50 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/24/16 21:38	79-34-5	
Tetrachloroethene	**0.87J**	ug/L	1.0	0.50	1		10/24/16 21:38	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/24/16 21:38	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/16 21:38	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/24/16 21:38	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/24/16 21:38	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/24/16 21:38	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	108-67-8	
Vinyl chloride	**2.3**	ug/L	1.0	0.18	1		10/24/16 21:38	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/24/16 21:38	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/24/16 21:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/24/16 21:38	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		10/24/16 21:38	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/24/16 21:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: MW-1 **Lab ID: 40140236012** Collected: 10/14/16 10:15 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	71-43-2	L3
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/19/16 22:40	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/19/16 22:40	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/19/16 22:40	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/19/16 22:40	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/19/16 22:40	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/19/16 22:40	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/19/16 22:40	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/19/16 22:40	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/19/16 22:40	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/19/16 22:40	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/19/16 22:40	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/19/16 22:40	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/19/16 22:40	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/19/16 22:40	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/19/16 22:40	75-35-4	
cis-1,2-Dichloroethene	**5.3**	ug/L	1.0	0.26	1		10/19/16 22:40	156-59-2	
trans-1,2-Dichloroethene	**0.33J**	ug/L	1.0	0.26	1		10/19/16 22:40	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/19/16 22:40	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/19/16 22:40	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/19/16 22:40	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/19/16 22:40	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/19/16 22:40	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/19/16 22:40	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/19/16 22:40	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/19/16 22:40	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/19/16 22:40	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/19/16 22:40	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: MW-1 **Lab ID: 40140236012** Collected: 10/14/16 10:15 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/19/16 22:40	79-34-5	
Tetrachloroethene	**2.2**	ug/L	1.0	0.50	1		10/19/16 22:40	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/19/16 22:40	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/19/16 22:40	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/19/16 22:40	79-00-5	
Trichloroethene	**3.6**	ug/L	1.0	0.33	1		10/19/16 22:40	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/19/16 22:40	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	108-67-8	
Vinyl chloride	**1.3**	ug/L	1.0	0.18	1		10/19/16 22:40	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/19/16 22:40	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 22:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/19/16 22:40	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		10/19/16 22:40	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		10/19/16 22:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: MW-2 **Lab ID: 40140236013** Collected: 10/14/16 10:00 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	71-43-2	L3
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/19/16 20:33	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/19/16 20:33	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/19/16 20:33	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/19/16 20:33	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/19/16 20:33	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/19/16 20:33	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/19/16 20:33	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/19/16 20:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/19/16 20:33	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/19/16 20:33	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/19/16 20:33	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/19/16 20:33	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/19/16 20:33	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/19/16 20:33	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/19/16 20:33	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/19/16 20:33	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/19/16 20:33	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/19/16 20:33	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/19/16 20:33	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/19/16 20:33	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/19/16 20:33	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/19/16 20:33	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/19/16 20:33	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/19/16 20:33	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/19/16 20:33	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/19/16 20:33	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/19/16 20:33	630-20-6	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: MW-2 **Lab ID: 40140236013** Collected: 10/14/16 10:00 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/19/16 20:33	79-34-5	
Tetrachloroethene	**1.7**	ug/L	1.0	0.50	1		10/19/16 20:33	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/19/16 20:33	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/19/16 20:33	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/19/16 20:33	79-00-5	
Trichloroethene	**0.37J**	ug/L	1.0	0.33	1		10/19/16 20:33	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/19/16 20:33	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/19/16 20:33	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/19/16 20:33	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 20:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/19/16 20:33	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/19/16 20:33	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		10/19/16 20:33	2037-26-5	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: MW-3 **Lab ID: 40140236014** Collected: 10/14/16 10:05 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**26.3**	ug/L	5.6	0.58	1		10/19/16 09:32	74-84-0	
Ethene	**277**	ug/L	5.0	0.52	1		10/19/16 09:32	74-85-1	
Methane	**5500**	ug/L	140	68.5	50		10/19/16 11:07	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**3.4**	ug/L	2.0	1.0	2		10/24/16 19:46	71-43-2	
Bromobenzene	**<0.46**	ug/L	2.0	0.46	2		10/24/16 19:46	108-86-1	
Bromochloromethane	**<0.68**	ug/L	2.0	0.68	2		10/24/16 19:46	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	75-27-4	
Bromoform	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	75-25-2	
Bromomethane	**<4.9**	ug/L	10.0	4.9	2		10/24/16 19:46	74-83-9	
n-Butylbenzene	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	104-51-8	
sec-Butylbenzene	**<4.4**	ug/L	10.0	4.4	2		10/24/16 19:46	135-98-8	
tert-Butylbenzene	**<0.36**	ug/L	2.0	0.36	2		10/24/16 19:46	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	56-23-5	
Chlorobenzene	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	108-90-7	
Chloroethane	**<0.75**	ug/L	2.0	0.75	2		10/24/16 19:46	75-00-3	
Chloroform	**<5.0**	ug/L	10.0	5.0	2		10/24/16 19:46	67-66-3	
Chloromethane	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	95-49-8	
4-Chlorotoluene	**<0.43**	ug/L	2.0	0.43	2		10/24/16 19:46	106-43-4	
1,2-Dibromo-3-chloropropane	**<4.3**	ug/L	10.0	4.3	2		10/24/16 19:46	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	124-48-1	
1,2-Dibromoethane (EDB)	**<0.36**	ug/L	2.0	0.36	2		10/24/16 19:46	106-93-4	
Dibromomethane	**<0.85**	ug/L	2.0	0.85	2		10/24/16 19:46	74-95-3	
1,2-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	106-46-7	
Dichlorodifluoromethane	**<0.45**	ug/L	2.0	0.45	2		10/24/16 19:46	75-71-8	
1,1-Dichloroethane	**<0.48**	ug/L	2.0	0.48	2		10/24/16 19:46	75-34-3	
1,2-Dichloroethane	**<0.34**	ug/L	2.0	0.34	2		10/24/16 19:46	107-06-2	
1,1-Dichloroethene	**<0.82**	ug/L	2.0	0.82	2		10/24/16 19:46	75-35-4	
cis-1,2-Dichloroethene	**18.3**	ug/L	2.0	0.51	2		10/24/16 19:46	156-59-2	
trans-1,2-Dichloroethene	**0.80J**	ug/L	2.0	0.51	2		10/24/16 19:46	156-60-5	
1,2-Dichloropropane	**<0.47**	ug/L	2.0	0.47	2		10/24/16 19:46	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	142-28-9	
2,2-Dichloropropane	**<0.97**	ug/L	2.0	0.97	2		10/24/16 19:46	594-20-7	
1,1-Dichloropropene	**<0.88**	ug/L	2.0	0.88	2		10/24/16 19:46	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	10061-01-5	
trans-1,3-Dichloropropene	**<0.46**	ug/L	2.0	0.46	2		10/24/16 19:46	10061-02-6	
Diisopropyl ether	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	108-20-3	
Ethylbenzene	**6.7**	ug/L	2.0	1.0	2		10/24/16 19:46	100-41-4	
Hexachloro-1,3-butadiene	**<4.2**	ug/L	10.0	4.2	2		10/24/16 19:46	87-68-3	
Isopropylbenzene (Cumene)	**4.3**	ug/L	2.0	0.29	2		10/24/16 19:46	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	99-87-6	
Methylene Chloride	**<0.47**	ug/L	2.0	0.47	2		10/24/16 19:46	75-09-2	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: MW-3 **Lab ID: 40140236014** Collected: 10/14/16 10:05 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<0.35**	ug/L	2.0	0.35	2		10/24/16 19:46	1634-04-4	
Naphthalene	**<5.0**	ug/L	10.0	5.0	2		10/24/16 19:46	91-20-3	
n-Propylbenzene	**3.0**	ug/L	2.0	1.0	2		10/24/16 19:46	103-65-1	
Styrene	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	2.0	0.36	2		10/24/16 19:46	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	2.0	0.50	2		10/24/16 19:46	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	127-18-4	
Toluene	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	108-88-3	
1,2,3-Trichlorobenzene	**<4.3**	ug/L	10.0	4.3	2		10/24/16 19:46	87-61-6	
1,2,4-Trichlorobenzene	**<4.4**	ug/L	10.0	4.4	2		10/24/16 19:46	120-82-1	
1,1,1-Trichloroethane	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	71-55-6	
1,1,2-Trichloroethane	**<0.39**	ug/L	2.0	0.39	2		10/24/16 19:46	79-00-5	
Trichloroethene	**1.4J**	ug/L	2.0	0.66	2		10/24/16 19:46	79-01-6	
Trichlorofluoromethane	**<0.37**	ug/L	2.0	0.37	2		10/24/16 19:46	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	108-67-8	
Vinyl chloride	**43.2**	ug/L	2.0	0.35	2		10/24/16 19:46	75-01-4	
m&p-Xylene	**<2.0**	ug/L	4.0	2.0	2		10/24/16 19:46	179601-23-1	
o-Xylene	**<1.0**	ug/L	2.0	1.0	2		10/24/16 19:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		2		10/24/16 19:46	460-00-4	D3
Dibromofluoromethane (S)	109	%	70-130		2		10/24/16 19:46	1868-53-7	
Toluene-d8 (S)	99	%	70-130		2		10/24/16 19:46	2037-26-5	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: TB **Lab ID: 40140236015** Collected: 10/14/16 00:00 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	71-43-2	L3
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/19/16 19:51	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/19/16 19:51	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/19/16 19:51	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/19/16 19:51	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/19/16 19:51	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/19/16 19:51	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/19/16 19:51	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/19/16 19:51	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/19/16 19:51	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/19/16 19:51	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/19/16 19:51	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/19/16 19:51	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/19/16 19:51	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/19/16 19:51	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/19/16 19:51	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/19/16 19:51	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/19/16 19:51	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/19/16 19:51	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/19/16 19:51	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/19/16 19:51	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/19/16 19:51	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/19/16 19:51	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/19/16 19:51	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/19/16 19:51	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/19/16 19:51	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/19/16 19:51	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/19/16 19:51	630-20-6	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Sample: TB **Lab ID: 40140236015** Collected: 10/14/16 00:00 Received: 10/17/16 14:28 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/19/16 19:51	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/19/16 19:51	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/19/16 19:51	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/19/16 19:51	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/19/16 19:51	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/19/16 19:51	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/19/16 19:51	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/19/16 19:51	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/19/16 19:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		10/19/16 19:51	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		10/19/16 19:51	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		10/19/16 19:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

QC Batch: 238522 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 40140236002, 40140236006, 40140236007, 40140236009, 40140236014

METHOD BLANK: 1413181 Matrix: Water
Associated Lab Samples: 40140236002, 40140236006, 40140236007, 40140236009, 40140236014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.58	5.6	10/19/16 07:55	
Ethene	ug/L	<0.52	5.0	10/19/16 07:55	
Methane	ug/L	<1.4	2.8	10/19/16 07:55	

LABORATORY CONTROL SAMPLE & LCSD: 1413182 1413183

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	51.6	53.2	96	99	76-120	3	20	
Ethene	ug/L	50	47.1	48.8	94	98	75-120	3	20	
Methane	ug/L	28.6	26.9	27.9	94	98	73-122	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1413439 1413440

Parameter	Units	40140217010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.58	53.6	53.6	53.1	51.3	99	96	73-120	3	20	
Ethene	ug/L	<0.52	50	50	48.5	46.6	97	93	72-120	4	20	
Methane	ug/L	<1.4	28.6	28.6	27.4	26.4	96	92	15-187	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

QC Batch: 238581 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40140236003, 40140236006, 40140236008, 40140236009, 40140236010, 40140236012, 40140236013, 40140236015

METHOD BLANK: 1413446 Matrix: Water
Associated Lab Samples: 40140236003, 40140236006, 40140236008, 40140236009, 40140236010, 40140236012, 40140236013, 40140236015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/19/16 15:39	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/19/16 15:39	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/19/16 15:39	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/19/16 15:39	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/19/16 15:39	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/19/16 15:39	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/19/16 15:39	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/19/16 15:39	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/19/16 15:39	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/19/16 15:39	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/19/16 15:39	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/19/16 15:39	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/19/16 15:39	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/19/16 15:39	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/19/16 15:39	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/19/16 15:39	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/19/16 15:39	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/19/16 15:39	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/19/16 15:39	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/19/16 15:39	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/19/16 15:39	
2-Chlorotoluene	ug/L	<0.50	1.0	10/19/16 15:39	
4-Chlorotoluene	ug/L	<0.21	1.0	10/19/16 15:39	
Benzene	ug/L	<0.50	1.0	10/19/16 15:39	
Bromobenzene	ug/L	<0.23	1.0	10/19/16 15:39	
Bromochloromethane	ug/L	<0.34	1.0	10/19/16 15:39	
Bromodichloromethane	ug/L	<0.50	1.0	10/19/16 15:39	
Bromoform	ug/L	<0.50	1.0	10/19/16 15:39	
Bromomethane	ug/L	<2.4	5.0	10/19/16 15:39	
Carbon tetrachloride	ug/L	<0.50	1.0	10/19/16 15:39	
Chlorobenzene	ug/L	<0.50	1.0	10/19/16 15:39	
Chloroethane	ug/L	<0.37	1.0	10/19/16 15:39	
Chloroform	ug/L	<2.5	5.0	10/19/16 15:39	
Chloromethane	ug/L	<0.50	1.0	10/19/16 15:39	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/19/16 15:39	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/19/16 15:39	
Dibromochloromethane	ug/L	<0.50	1.0	10/19/16 15:39	
Dibromomethane	ug/L	<0.43	1.0	10/19/16 15:39	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/19/16 15:39	
Diisopropyl ether	ug/L	<0.50	1.0	10/19/16 15:39	

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

METHOD BLANK: 1413446 Matrix: Water
Associated Lab Samples: 40140236003, 40140236006, 40140236008, 40140236009, 40140236010, 40140236012, 40140236013, 40140236015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	10/19/16 15:39	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/19/16 15:39	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/19/16 15:39	
m&p-Xylene	ug/L	<1.0	2.0	10/19/16 15:39	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/19/16 15:39	
Methylene Chloride	ug/L	<0.23	1.0	10/19/16 15:39	
n-Butylbenzene	ug/L	<0.50	1.0	10/19/16 15:39	
n-Propylbenzene	ug/L	<0.50	1.0	10/19/16 15:39	
Naphthalene	ug/L	<2.5	5.0	10/19/16 15:39	
o-Xylene	ug/L	<0.50	1.0	10/19/16 15:39	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/19/16 15:39	
sec-Butylbenzene	ug/L	<2.2	5.0	10/19/16 15:39	
Styrene	ug/L	<0.50	1.0	10/19/16 15:39	
tert-Butylbenzene	ug/L	<0.18	1.0	10/19/16 15:39	
Tetrachloroethene	ug/L	<0.50	1.0	10/19/16 15:39	
Toluene	ug/L	<0.50	1.0	10/19/16 15:39	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/19/16 15:39	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/19/16 15:39	
Trichloroethene	ug/L	<0.33	1.0	10/19/16 15:39	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/19/16 15:39	
Vinyl chloride	ug/L	<0.18	1.0	10/19/16 15:39	
4-Bromofluorobenzene (S)	%	92	70-130	10/19/16 15:39	
Dibromofluoromethane (S)	%	100	70-130	10/19/16 15:39	
Toluene-d8 (S)	%	104	70-130	10/19/16 15:39	

LABORATORY CONTROL SAMPLE: 1413447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.3	107	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	56.5	113	67-130	
1,1,2-Trichloroethane	ug/L	50	57.0	114	70-130	
1,1-Dichloroethane	ug/L	50	55.9	112	70-133	
1,1-Dichloroethene	ug/L	50	52.2	104	70-130	
1,2,4-Trichlorobenzene	ug/L	50	45.6	91	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.2	92	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	52.9	106	70-130	
1,2-Dichlorobenzene	ug/L	50	51.1	102	70-130	
1,2-Dichloroethane	ug/L	50	60.1	120	70-130	
1,2-Dichloropropane	ug/L	50	62.9	126	70-130	
1,3-Dichlorobenzene	ug/L	50	49.2	98	70-130	
1,4-Dichlorobenzene	ug/L	50	52.3	105	70-130	
Benzene	ug/L	50	68.8	138	60-135	L0
Bromodichloromethane	ug/L	50	52.5	105	70-130	

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

LABORATORY CONTROL SAMPLE: 1413447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	40.3	81	70-130	
Bromomethane	ug/L	50	34.0	68	33-130	
Carbon tetrachloride	ug/L	50	53.3	107	70-138	
Chlorobenzene	ug/L	50	53.4	107	70-130	
Chloroethane	ug/L	50	59.6	119	51-130	
Chloroform	ug/L	50	53.7	107	70-130	
Chloromethane	ug/L	50	43.8	88	25-132	
cis-1,2-Dichloroethene	ug/L	50	51.4	103	69-130	
cis-1,3-Dichloropropene	ug/L	50	52.7	105	70-130	
Dibromochloromethane	ug/L	50	52.2	104	70-130	
Dichlorodifluoromethane	ug/L	50	62.8	126	23-130	
Ethylbenzene	ug/L	50	57.0	114	70-136	
Isopropylbenzene (Cumene)	ug/L	50	55.4	111	70-140	
m&p-Xylene	ug/L	100	108	108	70-138	
Methyl-tert-butyl ether	ug/L	50	50.0	100	66-138	
Methylene Chloride	ug/L	50	52.1	104	70-130	
o-Xylene	ug/L	50	54.8	110	70-134	
Styrene	ug/L	50	54.7	109	70-133	
Tetrachloroethene	ug/L	50	49.3	99	70-138	
Toluene	ug/L	50	56.7	113	70-130	
trans-1,2-Dichloroethene	ug/L	50	53.1	106	70-131	
trans-1,3-Dichloropropene	ug/L	50	44.4	89	69-130	
Trichloroethene	ug/L	50	54.1	108	70-130	
Trichlorofluoromethane	ug/L	50	54.9	110	50-150	
Vinyl chloride	ug/L	50	62.7	125	49-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1414188 1414189

Parameter	Units	40140236013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	53.7	52.9	107	106	70-134	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	57.6	57.1	115	114	67-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	55.4	54.9	111	110	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	54.9	53.2	110	106	70-134	3	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	51.5	51.8	103	104	68-136	1	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	41.4	42.7	83	85	62-139	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	46.9	46.3	94	93	50-150	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	52.3	51.7	105	103	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	49.2	48.5	98	97	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	62.0	60.1	124	120	70-130	3	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	60.8	59.9	122	120	70-130	2	20	

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1414188 1414189

Parameter	Units	40140236013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichlorobenzene	ug/L	<0.50	50	50	46.9	47.2	94	94	70-131	1	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	49.6	49.9	99	100	70-130	1	20	
Benzene	ug/L	<0.50	50	50	69.0	68.9	138	138	57-138	0	20	
Bromodichloromethane	ug/L	<0.50	50	50	51.6	49.8	103	100	70-130	4	20	
Bromoform	ug/L	<0.50	50	50	40.7	39.8	81	80	70-130	2	20	
Bromomethane	ug/L	<2.4	50	50	39.9	42.0	80	84	33-130	5	27	
Carbon tetrachloride	ug/L	<0.50	50	50	53.3	52.3	107	105	70-138	2	20	
Chlorobenzene	ug/L	<0.50	50	50	51.5	50.8	103	102	70-130	1	20	
Chloroethane	ug/L	<0.37	50	50	58.2	57.3	116	115	51-130	2	20	
Chloroform	ug/L	<2.5	50	50	54.6	52.9	109	106	70-130	3	20	
Chloromethane	ug/L	<0.50	50	50	44.2	45.3	88	91	25-132	3	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	50.2	48.8	100	98	61-140	3	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	50.0	49.4	100	99	70-130	1	20	
Dibromochloromethane	ug/L	<0.50	50	50	51.2	51.5	102	103	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	62.8	60.2	126	120	23-130	4	20	
Ethylbenzene	ug/L	<0.50	50	50	54.1	53.1	108	106	70-138	2	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	52.0	51.5	104	103	70-152	1	20	
m&p-Xylene	ug/L	<1.0	100	100	104	101	104	101	70-140	2	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	51.0	50.4	102	101	66-139	1	20	
Methylene Chloride	ug/L	<0.23	50	50	53.2	51.4	106	103	70-130	3	20	
o-Xylene	ug/L	<0.50	50	50	52.3	51.6	105	103	70-134	1	20	
Styrene	ug/L	<0.50	50	50	52.2	49.9	104	100	70-138	5	20	
Tetrachloroethene	ug/L	1.7	50	50	49.2	48.0	95	92	70-148	3	20	
Toluene	ug/L	<0.50	50	50	55.0	53.6	110	107	70-130	3	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	52.0	52.9	104	106	70-133	2	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	44.4	43.7	89	87	69-130	2	20	
Trichloroethene	ug/L	0.37J	50	50	52.4	52.4	104	104	70-131	0	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	54.8	54.4	110	109	50-150	1	20	
Vinyl chloride	ug/L	<0.18	50	50	63.5	62.9	127	126	49-133	1	20	
4-Bromofluorobenzene (S)	%						101	100	70-130			
Dibromofluoromethane (S)	%						108	106	70-130			
Toluene-d8 (S)	%						103	102	70-130			

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

QC Batch: 238909 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40140236001, 40140236002, 40140236004, 40140236005, 40140236007, 40140236011, 40140236014

METHOD BLANK: 1415501 Matrix: Water
Associated Lab Samples: 40140236001, 40140236002, 40140236004, 40140236005, 40140236007, 40140236011, 40140236014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/24/16 14:34	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/24/16 14:34	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/24/16 14:34	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/24/16 14:34	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/24/16 14:34	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/24/16 14:34	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/24/16 14:34	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/24/16 14:34	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/24/16 14:34	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/24/16 14:34	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/24/16 14:34	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/24/16 14:34	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/24/16 14:34	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/24/16 14:34	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/24/16 14:34	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/24/16 14:34	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/24/16 14:34	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/24/16 14:34	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/24/16 14:34	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/24/16 14:34	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/24/16 14:34	
2-Chlorotoluene	ug/L	<0.50	1.0	10/24/16 14:34	
4-Chlorotoluene	ug/L	<0.21	1.0	10/24/16 14:34	
Benzene	ug/L	<0.50	1.0	10/24/16 14:34	
Bromobenzene	ug/L	<0.23	1.0	10/24/16 14:34	
Bromochloromethane	ug/L	<0.34	1.0	10/24/16 14:34	
Bromodichloromethane	ug/L	<0.50	1.0	10/24/16 14:34	
Bromoform	ug/L	<0.50	1.0	10/24/16 14:34	
Bromomethane	ug/L	<2.4	5.0	10/24/16 14:34	
Carbon tetrachloride	ug/L	<0.50	1.0	10/24/16 14:34	
Chlorobenzene	ug/L	<0.50	1.0	10/24/16 14:34	
Chloroethane	ug/L	<0.37	1.0	10/24/16 14:34	
Chloroform	ug/L	<2.5	5.0	10/24/16 14:34	
Chloromethane	ug/L	<0.50	1.0	10/24/16 14:34	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/24/16 14:34	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/24/16 14:34	
Dibromochloromethane	ug/L	<0.50	1.0	10/24/16 14:34	
Dibromomethane	ug/L	<0.43	1.0	10/24/16 14:34	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/24/16 14:34	
Diisopropyl ether	ug/L	<0.50	1.0	10/24/16 14:34	
Ethylbenzene	ug/L	<0.50	1.0	10/24/16 14:34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

METHOD BLANK: 1415501 Matrix: Water
Associated Lab Samples: 40140236001, 40140236002, 40140236004, 40140236005, 40140236007, 40140236011, 40140236014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/24/16 14:34	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/24/16 14:34	
m&p-Xylene	ug/L	<1.0	2.0	10/24/16 14:34	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/24/16 14:34	
Methylene Chloride	ug/L	<0.23	1.0	10/24/16 14:34	
n-Butylbenzene	ug/L	<0.50	1.0	10/24/16 14:34	
n-Propylbenzene	ug/L	<0.50	1.0	10/24/16 14:34	
Naphthalene	ug/L	<2.5	5.0	10/24/16 14:34	
o-Xylene	ug/L	<0.50	1.0	10/24/16 14:34	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/24/16 14:34	
sec-Butylbenzene	ug/L	<2.2	5.0	10/24/16 14:34	
Styrene	ug/L	<0.50	1.0	10/24/16 14:34	
tert-Butylbenzene	ug/L	<0.18	1.0	10/24/16 14:34	
Tetrachloroethene	ug/L	<0.50	1.0	10/24/16 14:34	
Toluene	ug/L	<0.50	1.0	10/24/16 14:34	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/24/16 14:34	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/24/16 14:34	
Trichloroethene	ug/L	<0.33	1.0	10/24/16 14:34	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/24/16 14:34	
Vinyl chloride	ug/L	<0.18	1.0	10/24/16 14:34	
4-Bromofluorobenzene (S)	%	100	70-130	10/24/16 14:34	
Dibromofluoromethane (S)	%	103	70-130	10/24/16 14:34	
Toluene-d8 (S)	%	99	70-130	10/24/16 14:34	

LABORATORY CONTROL SAMPLE: 1415502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.4	91	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	45.6	91	67-130	
1,1,2-Trichloroethane	ug/L	50	51.0	102	70-130	
1,1-Dichloroethane	ug/L	50	44.8	90	70-133	
1,1-Dichloroethene	ug/L	50	47.5	95	70-130	
1,2,4-Trichlorobenzene	ug/L	50	47.7	95	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	40.9	82	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	50.8	102	70-130	
1,2-Dichlorobenzene	ug/L	50	48.5	97	70-130	
1,2-Dichloroethane	ug/L	50	47.6	95	70-130	
1,2-Dichloropropane	ug/L	50	46.5	93	70-130	
1,3-Dichlorobenzene	ug/L	50	48.6	97	70-130	
1,4-Dichlorobenzene	ug/L	50	47.2	94	70-130	
Benzene	ug/L	50	50.5	101	60-135	
Bromodichloromethane	ug/L	50	51.2	102	70-130	
Bromoform	ug/L	50	49.2	98	70-130	
Bromomethane	ug/L	50	30.0	60	33-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

LABORATORY CONTROL SAMPLE: 1415502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	45.9	92	70-138	
Chlorobenzene	ug/L	50	52.7	105	70-130	
Chloroethane	ug/L	50	46.1	92	51-130	
Chloroform	ug/L	50	46.9	94	70-130	
Chloromethane	ug/L	50	27.5	55	25-132	
cis-1,2-Dichloroethene	ug/L	50	47.9	96	69-130	
cis-1,3-Dichloropropene	ug/L	50	44.7	89	70-130	
Dibromochloromethane	ug/L	50	50.9	102	70-130	
Dichlorodifluoromethane	ug/L	50	40.2	80	23-130	
Ethylbenzene	ug/L	50	54.5	109	70-136	
Isopropylbenzene (Cumene)	ug/L	50	54.7	109	70-140	
m&p-Xylene	ug/L	100	110	110	70-138	
Methyl-tert-butyl ether	ug/L	50	45.4	91	66-138	
Methylene Chloride	ug/L	50	46.8	94	70-130	
o-Xylene	ug/L	50	54.9	110	70-134	
Styrene	ug/L	50	54.9	110	70-133	
Tetrachloroethene	ug/L	50	54.6	109	70-138	
Toluene	ug/L	50	53.6	107	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.7	95	70-131	
trans-1,3-Dichloropropene	ug/L	50	38.4	77	69-130	
Trichloroethene	ug/L	50	51.9	104	70-130	
Trichlorofluoromethane	ug/L	50	50.9	102	50-150	
Vinyl chloride	ug/L	50	47.8	96	49-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			90	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1416628 1416629

Parameter	Units	40140429002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	56.5	54.6	113	109	70-134	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	46.9	44.3	94	89	67-130	6	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	52.3	49.1	105	98	70-130	6	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	55.8	54.2	112	108	70-134	3	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	58.3	55.8	117	112	68-136	4	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	50.5	48.1	101	96	62-139	5	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	43.4	40.8	87	82	50-150	6	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	52.6	49.4	105	99	70-130	6	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	49.8	47.6	100	95	70-130	5	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	59.6	57.4	119	115	70-130	4	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	48.3	46.7	97	93	70-130	3	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	49.7	47.9	99	96	70-131	4	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	48.2	46.6	96	93	70-130	3	20	

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REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1416628 1416629

Parameter	Units	40140429002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.50	50	50	62.5	60.1	125	120	57-138	4	20	
Bromodichloromethane	ug/L	<0.50	50	50	52.9	50.5	106	101	70-130	5	20	
Bromoform	ug/L	<0.50	50	50	50.4	47.5	101	95	70-130	6	20	
Bromomethane	ug/L	<2.4	50	50	40.0	39.8	80	80	33-130	1	27	
Carbon tetrachloride	ug/L	<0.50	50	50	58.4	47.8	117	96	70-138	20	20	
Chlorobenzene	ug/L	<0.50	50	50	53.5	50.5	107	101	70-130	6	20	
Chloroethane	ug/L	<0.37	50	50	54.6	52.3	109	105	51-130	4	20	
Chloroform	ug/L	<2.5	50	50	58.8	56.6	118	113	70-130	4	20	
Chloromethane	ug/L	<0.50	50	50	30.7	28.5	61	57	25-132	7	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	59.7	57.3	119	115	61-140	4	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	47.3	44.8	95	90	70-130	5	20	
Dibromochloromethane	ug/L	<0.50	50	50	52.2	48.8	104	98	70-130	7	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	37.5	35.3	75	71	23-130	6	20	
Ethylbenzene	ug/L	<0.50	50	50	55.5	52.4	111	105	70-138	6	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	56.3	52.7	113	105	70-152	7	20	
m&p-Xylene	ug/L	<1.0	100	100	111	106	111	106	70-140	5	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	57.6	54.4	115	109	66-139	6	20	
Methylene Chloride	ug/L	<0.23	50	50	58.7	56.4	117	113	70-130	4	20	
o-Xylene	ug/L	<0.50	50	50	55.9	52.9	112	106	70-134	6	20	
Styrene	ug/L	<0.50	50	50	56.1	52.9	112	106	70-138	6	20	
Tetrachloroethene	ug/L	<0.50	50	50	55.4	52.0	111	104	70-148	6	20	
Toluene	ug/L	<0.50	50	50	54.1	51.0	108	102	70-130	6	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	59.9	57.3	120	115	70-133	4	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	40.3	38.0	81	76	69-130	6	20	
Trichloroethene	ug/L	0.56J	50	50	54.4	51.7	108	102	70-131	5	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	62.0	59.2	124	118	50-150	5	20	
Vinyl chloride	ug/L	<0.18	50	50	54.5	51.5	109	103	49-133	6	20	
4-Bromofluorobenzene (S)	%						102	101	70-130			
Dibromofluoromethane (S)	%						109	111	70-130			
Toluene-d8 (S)	%						100	98	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

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

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40140236

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40140236002	SMW-4	EPA 8015B Modified	238522		
40140236006	SMW-9	EPA 8015B Modified	238522		
40140236007	SMW-10	EPA 8015B Modified	238522		
40140236009	SMW-14	EPA 8015B Modified	238522		
40140236014	MW-3	EPA 8015B Modified	238522		
40140236001	SMW-3	EPA 8260	238909		
40140236002	SMW-4	EPA 8260	238909		
40140236003	SMW-6	EPA 8260	238581		
40140236004	SMW-7	EPA 8260	238909		
40140236005	SMW-8	EPA 8260	238909		
40140236006	SMW-9	EPA 8260	238581		
40140236007	SMW-10	EPA 8260	238909		
40140236008	SMW-11	EPA 8260	238581		
40140236009	SMW-14	EPA 8260	238581		
40140236010	PZ-1	EPA 8260	238581		
40140236011	PZ-2	EPA 8260	238909		
40140236012	MW-1	EPA 8260	238581		
40140236013	MW-2	EPA 8260	238581		
40140236014	MW-3	EPA 8260	238909		
40140236015	TB	EPA 8260	238581		

Dept Pricing

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

40140236

CHAIN OF CUSTODY

MV

*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

(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):	Dillon Plamann
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Ken Ebbott
Mail To Company:	Fehr Graham
Mail To Address:	1237 Pilgrim Road, Plymouth, WI
Invoice To Contact:	As Above
Invoice To Company:	As Above
Invoice To Address:	As Above
Invoice To Phone:	

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, B = Biota, C = Charcoal, O = Oil, S = Soil, SL = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested: VOC	Analyses Requested: MEE	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter	N	N			
							B	B			
001	SMW-3	10-14-16	1045	GW			X			3-40mlVB	
002	SMW-4		1050				X	X		6-40mlVB	
003	SMW-6		940				X				
004	SMW-7		1100				X				
005	SMW-8		935				X				
006	SMW-9		1110				X	X			
007	SMW-10		1035				X	X			
008	SMW-11		925				X				
009	SMW-14		915				X	X			
010	PZ-1		945				X				
011	PZ-2		950				X				
012	MW-1		1015				X				
013	MW-2	↓	1000	↓			X				

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:	Date/Time:	Received By:	Date/Time:
	10/17/16	Renee Pace	10/17/16 1320
Renee Pace	10/17/16 1428		10/17/16 1428

PACE Project No.: 40140236

Receipt Temp = R01 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Derf Pricing

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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

(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):	Dillon Plamann
Sampled By (Sign):	DM
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
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested: VOC	MEE							
					Y/N	Pres. Code									
04	MW-3	10-14-16	1005		N	B	X	X							
05	TB						X								

Quote #:	
Mail To Contact:	Ken Ebbott
Mail To Company:	Fehr Graham
Mail To Address:	1237 Pilgrim Road, Plymouth, WI
Invoice To Contact:	As Above
Invoice To Company:	As Above
Invoice To Address:	As Above
Invoice To Phone:	

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	6-40mlVB	
	1-40mlVB	

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:	Date/Time:	Received By:	Date/Time:
	10/17/16		10/17/16 1320
	10/17/16 1428		10/17/16 1428

PACE Project No.: 40140236

Receipt Temp = R0 °C

Sample Receipt pH OK / Adjusted

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

Version 6.0 06/14/06

C019a(27Jun2006)

Sample Condition Upon Receipt

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

Pace Analytical™

Project: **WO# : 40140236**

40140236

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 NA **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: _____ /Corr: 0.0 **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 10/17/16
Initials: CAB

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

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes	☐No		Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
-Pace IR Containers Used:	☐Yes	☐No	☑N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W				
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes	☐No	☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☑Yes	☐No		Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	14.
Trip Blank Present:	☑Yes	☐No	☐N/A	15. expired 9/14/16
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): Covered				CAB 10/17/16

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 10-18-16

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

January 12, 2017

Mr. Ken Ebbott
Fehr Graham
1237 Pilgrim Road
Plymouth, WI 53073

RE: Project: 15-1209 Master Dry Cleaning
Pace Project No.: 10375168

Dear Mr. Ebbott:
Enclosed are the analytical results for sample(s) received by the laboratory on January 07, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC 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,

Carolynne Trout

Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

cc: Megan Hansen, Fehr Graham

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www.pacelabs.com

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 15-1209 Master Dry Cleaning
Pace Project No.: 10375168

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
Alaska Certification UST-107
525 N 8th Street, Salina, KS 67401
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 15-1209 Master Dry Cleaning
Pace Project No.: 10375168

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10375168001	**6310 W. Bluemound Rd VP-1**	Air	01/05/17 11:00	01/07/17 10:15
10375168002	**6310 W. Bluemound Rd VP-2**	Air	01/05/17 11:40	01/07/17 10:15
10375168003	**518 N. 64th St. VP-1**	Air	01/05/17 15:27	01/07/17 10:15
10375168004	**518 N. 64th St. VP-3**	Air	01/05/17 14:56	01/07/17 10:15

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SAMPLE ANALYTE COUNT

Project: 15-1209 Master Dry Cleaning
Pace Project No.: 10375168

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10375168001	6310 W. Bluemound Rd VP-1	TO-15	MJL	5	PASI-M
10375168002	6310 W. Bluemound Rd VP-2	TO-15	MJL	5	PASI-M
10375168003	518 N. 64th St. VP-1	TO-15	MJL	5	PASI-M
10375168004	518 N. 64th St. VP-3	TO-15	MJL	5	PASI-M

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ANALYTICAL RESULTS

Project: 15-1209 Master Dry Cleaning
Pace Project No.: 10375168

Sample: 6310 W. Bluemound Rd VP-1 **Lab ID: 10375168001** Collected: 01/05/17 11:00 Received: 01/07/17 10:15 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
cis-1,2-Dichloroethene	**<0.43**	ug/m3	1.4	0.43	1.75		01/09/17 20:50	156-59-2	
trans-1,2-Dichloroethene	**<0.67**	ug/m3	1.4	0.67	1.75		01/09/17 20:50	156-60-5	
Tetrachloroethene	**60.3**	ug/m3	2.4	0.49	1.75		01/09/17 20:50	127-18-4	
Trichloroethene	**0.64J**	ug/m3	0.96	0.48	1.75		01/09/17 20:50	79-01-6	
Vinyl chloride	**<0.34**	ug/m3	0.46	0.34	1.75		01/09/17 20:50	75-01-4	

Sample: 6310 W. Bluemound Rd VP-2 **Lab ID: 10375168002** Collected: 01/05/17 11:40 Received: 01/07/17 10:15 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
cis-1,2-Dichloroethene	**<0.45**	ug/m3	1.5	0.45	1.83		01/09/17 21:45	156-59-2	
trans-1,2-Dichloroethene	**<0.70**	ug/m3	1.5	0.70	1.83		01/09/17 21:45	156-60-5	
Tetrachloroethene	**16.8**	ug/m3	2.5	0.51	1.83		01/09/17 21:45	127-18-4	
Trichloroethene	**<0.51**	ug/m3	1.0	0.51	1.83		01/09/17 21:45	79-01-6	
Vinyl chloride	**<0.36**	ug/m3	0.48	0.36	1.83		01/09/17 21:45	75-01-4	

Sample: 518 N. 64th St. VP-1 **Lab ID: 10375168003** Collected: 01/05/17 15:27 Received: 01/07/17 10:15 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
cis-1,2-Dichloroethene	**<0.45**	ug/m3	1.5	0.45	1.83		01/09/17 22:12	156-59-2	
trans-1,2-Dichloroethene	**<0.70**	ug/m3	1.5	0.70	1.83		01/09/17 22:12	156-60-5	
Tetrachloroethene	**32.0**	ug/m3	2.5	0.51	1.83		01/09/17 22:12	127-18-4	
Trichloroethene	**<0.51**	ug/m3	1.0	0.51	1.83		01/09/17 22:12	79-01-6	
Vinyl chloride	**<0.36**	ug/m3	0.48	0.36	1.83		01/09/17 22:12	75-01-4	

Sample: 518 N. 64th St. VP-3 **Lab ID: 10375168004** Collected: 01/05/17 14:56 Received: 01/07/17 10:15 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
cis-1,2-Dichloroethene	**<0.45**	ug/m3	1.5	0.45	1.83		01/09/17 22:39	156-59-2	
trans-1,2-Dichloroethene	**<0.70**	ug/m3	1.5	0.70	1.83		01/09/17 22:39	156-60-5	
Tetrachloroethene	**32.5**	ug/m3	2.5	0.51	1.83		01/09/17 22:39	127-18-4	
Trichloroethene	**<0.51**	ug/m3	1.0	0.51	1.83		01/09/17 22:39	79-01-6	
Vinyl chloride	**<0.36**	ug/m3	0.48	0.36	1.83		01/09/17 22:39	75-01-4	

REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALITY CONTROL DATA

Project: 15-1209 Master Dry Cleaning
Pace Project No.: 10375168

QC Batch: 454870 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10375168001, 10375168002, 10375168003, 10375168004

METHOD BLANK: 2488887 Matrix: Air
Associated Lab Samples: 10375168001, 10375168002, 10375168003, 10375168004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.25	0.81	01/09/17 10:04	
Tetrachloroethene	ug/m3	0.61J	1.4	01/09/17 10:04	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	01/09/17 10:04	
Trichloroethene	ug/m3	<0.28	0.55	01/09/17 10:04	
Vinyl chloride	ug/m3	<0.20	0.26	01/09/17 10:04	

LABORATORY CONTROL SAMPLE: 2488888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	40.3	42.2	105	65-139	
Tetrachloroethene	ug/m3	68.9	66.5	96	60-142	
trans-1,2-Dichloroethene	ug/m3	40.3	42.8	106	67-137	
Trichloroethene	ug/m3	54.6	56.7	104	60-144	
Vinyl chloride	ug/m3	26	29.0	111	63-135	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 15-1209 Master Dry Cleaning
Pace Project No.: 10375168

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-M Pace Analytical Services - Minneapolis

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 15-1209 Master Dry Cleaning
Pace Project No.: 10375168

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10375168001	**6310 W. Bluemound Rd VP-1**	TO-15	454870		
10375168002	**6310 W. Bluemound Rd VP-2**	TO-15	454870		
10375168003	**518 N. 64th St. VP-1**	TO-15	454870		
10375168004	**518 N. 64th St. VP-3**	TO-15	454870		

10375168

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

22563

Section A Required Client Information:

Company: Fehr-Graham
Address: 1237 Pilgrim Rd
Email To: kebbott@fehr-graham
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Ken Ebbott
Copy To:
Purchase Order No.:
Project Name: Master Drycleaning
Project Number: 15-1209

Section C Invoice Information:

Attention: Ken Ebbott
Company Name: Fehr-Graham
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☒ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ mg/m³ PPBV PPMV Other

Report Level: II. III. IV. Other

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START END/GRAB DATE	COLLECTED TIME	COMPOSITE - DATE	COMPOSITE - TIME	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method: PM10	3C, Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO15 Short List*	Pace Lab ID
1	6310 W. Bluemound Rd VP-1	6LC	10.6	12/5/17	1100			-28.5	-7.0	06766	FC12421								X		001
2	6310 W. Bluemound Rd VP-2		10.8		1140			-30	-9	07155	FC06944										002
3	518 N. 64th St. VP-1		0.2		1527			-28	-2.5	05177	FC12299										003
4	518 N. 64th St VP-3		1.2		1456			-29	-9	10377	FC08355										004
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	12/6/17		[signature] Pace	12-6-17	1225
[signature] Pace	12-6-17		[signature]	12/7/17	1015

SAMPLE CONDITIONS

	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	AMB	(Y/N)	(Y/N)	(Y/N)
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Schuenemann

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 12/5/17

ORIGINAL

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414 Air Technical Phone: 612.607.6386

Pace Analytical	Document Name: Air Sample Condition Upon Receipt	Document Revised: 26APR2016 Page 1 of 1
	Document No.: F-MN-A-106-rev.11	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: Fehr Graham

Project #: WO# : 10375168

10375168

Courier: ☐ Fed Ex ☐ UPS ☐ Speedee ☐ Client ☐ Commercial ☐ Pace ☒ Other: Walter

Tracking Number:

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: Temp Blank rec: ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): X0 Corrected Temp (°C): X0 Thermom. Used: ☐ B88A912167504 ☐ B88A0143310098 ☐ 151401163 ☐ 151401164

Temp should be above freezing to 6°C Correction Factor: X0 Date & Initials of Person Examining Contents: 9/7/17

Type of Ice Received ☐ Blue ☐ Wet ☒ None

				Comments:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☒ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☒ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	7.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	10.
Media: (Air Can) Airbag Filter TDT Passive				11.
Sample Labels Match COC?	☒ Yes	☐ No	☐ N/A	12.

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID

CLIENT NOTIFICATION/RESOLUTION Field Data Required? ☐ Yes ☐ No

Person Contacted: Ken Ebbott Date/Time: 1/9/17

Comments/Resolution: Report TCE, PCE, cis, trans 1,2 DCE, Vinyl Chloride

Project Manager Review: Carolyne Trout Date: 1/9/17

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

January 30, 2017

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

RE: Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Dear Ken Ebbott:
Enclosed are the analytical results for sample(s) received by the laboratory on January 23, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC 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
christopher.hyska@pacelabs.com
Project Manager

Enclosures

cc: Megan Hansen, Fehr Graham Engineering and Environmental

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40144781001	B-104 4-5'	Solid	01/20/17 10:15	01/23/17 13:30
40144781002	B-104 8-10'	Solid	01/20/17 10:20	01/23/17 13:30
40144781003	B-105 4-5'	Solid	01/20/17 09:48	01/23/17 13:30
40144781004	B-105 8-10'	Solid	01/20/17 09:53	01/23/17 13:30
40144781005	B-106 3-4'	Solid	01/20/17 10:59	01/23/17 13:30
40144781006	B-106 5-6'	Solid	01/20/17 11:05	01/23/17 13:30
40144781007	B-106 8-10'	Solid	01/20/17 11:10	01/23/17 13:30
40144781008	B-107 3-4'	Solid	01/20/17 11:20	01/23/17 13:30
40144781009	B-107 5-6'	Solid	01/20/17 11:23	01/23/17 13:30
40144781010	B-107 8-10'	Solid	01/20/17 11:28	01/23/17 13:30
40144781011	B-108 3-4'	Solid	01/20/17 11:41	01/23/17 13:30
40144781012	B-108 5-6'	Solid	01/20/17 11:47	01/23/17 13:30
40144781013	B-108 8-10'	Solid	01/20/17 11:52	01/23/17 13:30
40144781014	B-109 3-4'	Solid	01/20/17 12:05	01/23/17 13:30
40144781015	B-109 5-6'	Solid	01/20/17 12:07	01/23/17 13:30
40144781016	B-109 8-10'	Solid	01/20/17 12:15	01/23/17 13:30
40144781017	METH BLANK	Solid	01/20/17 00:00	01/23/17 13:30

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SAMPLE ANALYTE COUNT

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40144781001	**B-104 4-5'**	EPA 8260	SMT	64	PASI-G
		EPA 8260	HNW	13	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781002	**B-104 8-10'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781003	**B-105 4-5'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781004	**B-105 8-10'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781005	**B-106 3-4'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781006	**B-106 5-6'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781007	**B-106 8-10'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781008	**B-107 3-4'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781009	**B-107 5-6'**	EPA 8260	SMT	64	PASI-G
		EPA 8260	HNW	13	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781010	**B-107 8-10'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781011	**B-108 3-4'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781012	**B-108 5-6'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781013	**B-108 8-10'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781014	**B-109 3-4'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781015	**B-109 5-6'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781016	**B-109 8-10'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40144781017	**METH BLANK**	EPA 8260	SMT	64	PASI-G

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SUMMARY OF DETECTION

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40144781001	**B-104 4-5'**					
EPA 8260	Tetrachloroethene	55600	ug/kg	670	01/25/17 18:09	
EPA 8260	Trichloroethene	494J	ug/kg	670	01/25/17 18:09	
EPA 8260	Tetrachloroethene	0.50	mg/L	0.010	01/26/17 11:06	
EPA 8260	Trichloroethene	0.0077J	mg/L	0.010	01/26/17 11:06	
ASTM D2974-87	Percent Moisture	28.3	%	0.10	01/25/17 15:06	
40144781002	**B-104 8-10'**					
EPA 8260	Tetrachloroethene	67500	ug/kg	733	01/25/17 18:32	
EPA 8260	Trichloroethene	319J	ug/kg	733	01/25/17 18:32	
ASTM D2974-87	Percent Moisture	18.1	%	0.10	01/25/17 15:07	
40144781003	**B-105 4-5'**					
EPA 8260	Tetrachloroethene	16100	ug/kg	140	01/25/17 17:24	
EPA 8260	Trichloroethene	443	ug/kg	140	01/25/17 17:24	
ASTM D2974-87	Percent Moisture	14.2	%	0.10	01/25/17 15:07	
40144781004	**B-105 8-10'**					
ASTM D2974-87	Percent Moisture	19.2	%	0.10	01/25/17 15:07	
40144781005	**B-106 3-4'**					
EPA 8260	Tetrachloroethene	340	ug/kg	76.0	01/25/17 13:15	
ASTM D2974-87	Percent Moisture	21.1	%	0.10	01/25/17 15:07	
40144781006	**B-106 5-6'**					
ASTM D2974-87	Percent Moisture	19.4	%	0.10	01/25/17 15:07	
40144781007	**B-106 8-10'**					
EPA 8260	Tetrachloroethene	1700	ug/kg	71.5	01/25/17 14:00	
EPA 8260	Trichloroethene	66.1J	ug/kg	71.5	01/25/17 14:00	
ASTM D2974-87	Percent Moisture	16.0	%	0.10	01/25/17 15:07	
40144781008	**B-107 3-4'**					
ASTM D2974-87	Percent Moisture	23.0	%	0.10	01/25/17 15:44	
40144781009	**B-107 5-6'**					
ASTM D2974-87	Percent Moisture	15.2	%	0.10	01/25/17 15:44	
40144781010	**B-107 8-10'**					
EPA 8260	cis-1,2-Dichloroethene	31.0J	ug/kg	73.2	01/25/17 15:08	
EPA 8260	Tetrachloroethene	349	ug/kg	73.2	01/25/17 15:08	
EPA 8260	Trichloroethene	42.0J	ug/kg	73.2	01/25/17 15:08	
ASTM D2974-87	Percent Moisture	18.0	%	0.10	01/25/17 15:44	
40144781011	**B-108 3-4'**					
ASTM D2974-87	Percent Moisture	17.2	%	0.10	01/25/17 15:45	
40144781012	**B-108 5-6'**					
ASTM D2974-87	Percent Moisture	18.9	%	0.10	01/25/17 15:45	
40144781013	**B-108 8-10'**					
EPA 8260	Tetrachloroethene	245	ug/kg	72.6	01/25/17 16:39	
ASTM D2974-87	Percent Moisture	17.4	%	0.10	01/25/17 15:45	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40144781014	**B-109 3-4'**					
ASTM D2974-87	Percent Moisture	17.3	%	0.10	01/25/17 15:45	
40144781015	**B-109 5-6'**					
ASTM D2974-87	Percent Moisture	18.6	%	0.10	01/25/17 15:45	
40144781016	**B-109 8-10'**					
ASTM D2974-87	Percent Moisture	13.6	%	0.10	01/25/17 15:45	

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-104 4-5' **Lab ID: 40144781001** Collected: 01/20/17 10:15 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	71-43-2	W
Bromobenzene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	108-86-1	W
Bromochloromethane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	74-97-5	W
Bromodichloromethane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	75-27-4	W
Bromoform	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	75-25-2	W
Bromomethane	**<559**	ug/kg	2000	559	8	01/24/17 10:00	01/25/17 18:09	74-83-9	W
n-Butylbenzene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	104-51-8	W
sec-Butylbenzene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	135-98-8	W
tert-Butylbenzene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	98-06-6	W
Carbon tetrachloride	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	56-23-5	W
Chlorobenzene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	108-90-7	W
Chloroethane	**<536**	ug/kg	2000	536	8	01/24/17 10:00	01/25/17 18:09	75-00-3	W
Chloroform	**<372**	ug/kg	2000	372	8	01/24/17 10:00	01/25/17 18:09	67-66-3	W
Chloromethane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	74-87-3	W
2-Chlorotoluene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	95-49-8	W
4-Chlorotoluene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	106-43-4	W
1,2-Dibromo-3-chloropropane	**<730**	ug/kg	2000	730	8	01/24/17 10:00	01/25/17 18:09	96-12-8	W
Dibromochloromethane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	124-48-1	W
1,2-Dibromoethane (EDB)	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	106-93-4	W
Dibromomethane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	74-95-3	W
1,2-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	95-50-1	W
1,3-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	541-73-1	W
1,4-Dichlorobenzene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	106-46-7	W
Dichlorodifluoromethane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	75-71-8	W
1,1-Dichloroethane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	75-34-3	W
1,2-Dichloroethane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	107-06-2	W
1,1-Dichloroethene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	75-35-4	W
cis-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	156-59-2	W
trans-1,2-Dichloroethene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	156-60-5	W
1,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	78-87-5	W
1,3-Dichloropropane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	142-28-9	W
2,2-Dichloropropane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	594-20-7	W
1,1-Dichloropropene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	563-58-6	W
cis-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	10061-01-5	W
trans-1,3-Dichloropropene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	10061-02-6	W
Diisopropyl ether	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	108-20-3	W
Ethylbenzene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	100-41-4	W
Hexachloro-1,3-butadiene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	87-68-3	W
Isopropylbenzene (Cumene)	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	98-82-8	W
p-Isopropyltoluene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	99-87-6	W
Methylene Chloride	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	75-09-2	W
Methyl-tert-butyl ether	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	1634-04-4	W
Naphthalene	**<320**	ug/kg	2000	320	8	01/24/17 10:00	01/25/17 18:09	91-20-3	W
n-Propylbenzene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	103-65-1	W
Styrene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-104 4-5' **Lab ID: 40144781001** Collected: 01/20/17 10:15 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	630-20-6	W
1,1,2,2-Tetrachloroethane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	79-34-5	W
Tetrachloroethene	**55600**	ug/kg	670	279	8	01/24/17 10:00	01/25/17 18:09	127-18-4	
Toluene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	108-88-3	W
1,2,3-Trichlorobenzene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	87-61-6	W
1,2,4-Trichlorobenzene	**<380**	ug/kg	2000	380	8	01/24/17 10:00	01/25/17 18:09	120-82-1	W
1,1,1-Trichloroethane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	71-55-6	W
1,1,2-Trichloroethane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	79-00-5	W
Trichloroethene	**494J**	ug/kg	670	279	8	01/24/17 10:00	01/25/17 18:09	79-01-6	
Trichlorofluoromethane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	75-69-4	W
1,2,3-Trichloropropane	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	96-18-4	W
1,2,4-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	95-63-6	W
1,3,5-Trimethylbenzene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	108-67-8	W
Vinyl chloride	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	75-01-4	W
m&p-Xylene	**<400**	ug/kg	960	400	8	01/24/17 10:00	01/25/17 18:09	179601-23-1	W
o-Xylene	**<200**	ug/kg	480	200	8	01/24/17 10:00	01/25/17 18:09	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	122	%	53-165		8	01/24/17 10:00	01/25/17 18:09	1868-53-7	
Toluene-d8 (S)	96	%	54-163		8	01/24/17 10:00	01/25/17 18:09	2037-26-5	
4-Bromofluorobenzene (S)	78	%	48-138		8	01/24/17 10:00	01/25/17 18:09	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/25/17 00:00								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/26/17 11:06	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/26/17 11:06	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/26/17 11:06	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/26/17 11:06	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/26/17 11:06	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/26/17 11:06	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/26/17 11:06	75-35-4	
Tetrachloroethene	**0.50**	mg/L	0.010	0.0050	10		01/26/17 11:06	127-18-4	
Trichloroethene	**0.0077J**	mg/L	0.010	0.0033	10		01/26/17 11:06	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/26/17 11:06	75-01-4	
Surrogates									
Toluene-d8 (S)	93	%	70-130		10		01/26/17 11:06	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		10		01/26/17 11:06	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		10		01/26/17 11:06	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**28.3**	%	0.10	0.10	1		01/25/17 15:06		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-104 8-10' **Lab ID: 40144781002** Collected: 01/20/17 10:20 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	71-43-2	W
Bromobenzene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	108-86-1	W
Bromochloromethane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	74-97-5	W
Bromodichloromethane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	75-27-4	W
Bromoform	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	75-25-2	W
Bromomethane	**<699**	ug/kg	2500	699	10	01/24/17 10:00	01/25/17 18:32	74-83-9	W
n-Butylbenzene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	104-51-8	W
sec-Butylbenzene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	135-98-8	W
tert-Butylbenzene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	98-06-6	W
Carbon tetrachloride	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	56-23-5	W
Chlorobenzene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	108-90-7	W
Chloroethane	**<670**	ug/kg	2500	670	10	01/24/17 10:00	01/25/17 18:32	75-00-3	W
Chloroform	**<464**	ug/kg	2500	464	10	01/24/17 10:00	01/25/17 18:32	67-66-3	W
Chloromethane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	74-87-3	W
2-Chlorotoluene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	95-49-8	W
4-Chlorotoluene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	106-43-4	W
1,2-Dibromo-3-chloropropane	**<912**	ug/kg	2500	912	10	01/24/17 10:00	01/25/17 18:32	96-12-8	W
Dibromochloromethane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	124-48-1	W
1,2-Dibromoethane (EDB)	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	106-93-4	W
Dibromomethane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	74-95-3	W
1,2-Dichlorobenzene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	95-50-1	W
1,3-Dichlorobenzene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	541-73-1	W
1,4-Dichlorobenzene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	106-46-7	W
Dichlorodifluoromethane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	75-71-8	W
1,1-Dichloroethane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	75-34-3	W
1,2-Dichloroethane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	107-06-2	W
1,1-Dichloroethene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	75-35-4	W
cis-1,2-Dichloroethene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	156-59-2	W
trans-1,2-Dichloroethene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	156-60-5	W
1,2-Dichloropropane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	78-87-5	W
1,3-Dichloropropane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	142-28-9	W
2,2-Dichloropropane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	594-20-7	W
1,1-Dichloropropene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	563-58-6	W
cis-1,3-Dichloropropene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	10061-01-5	W
trans-1,3-Dichloropropene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	10061-02-6	W
Diisopropyl ether	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	108-20-3	W
Ethylbenzene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	100-41-4	W
Hexachloro-1,3-butadiene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	87-68-3	W
Isopropylbenzene (Cumene)	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	98-82-8	W
p-Isopropyltoluene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	99-87-6	W
Methylene Chloride	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	75-09-2	W
Methyl-tert-butyl ether	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	1634-04-4	W
Naphthalene	**<400**	ug/kg	2500	400	10	01/24/17 10:00	01/25/17 18:32	91-20-3	W
n-Propylbenzene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	103-65-1	W
Styrene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	100-42-5	W

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-104 8-10' **Lab ID: 40144781002** Collected: 01/20/17 10:20 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	630-20-6	W
1,1,2,2-Tetrachloroethane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	79-34-5	W
Tetrachloroethene	**67500**	ug/kg	733	305	10	01/24/17 10:00	01/25/17 18:32	127-18-4	
Toluene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	108-88-3	W
1,2,3-Trichlorobenzene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	87-61-6	W
1,2,4-Trichlorobenzene	**<476**	ug/kg	2500	476	10	01/24/17 10:00	01/25/17 18:32	120-82-1	W
1,1,1-Trichloroethane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	71-55-6	W
1,1,2-Trichloroethane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	79-00-5	W
Trichloroethene	**319J**	ug/kg	733	305	10	01/24/17 10:00	01/25/17 18:32	79-01-6	
Trichlorofluoromethane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	75-69-4	W
1,2,3-Trichloropropane	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	96-18-4	W
1,2,4-Trimethylbenzene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	95-63-6	W
1,3,5-Trimethylbenzene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	108-67-8	W
Vinyl chloride	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	75-01-4	W
m&p-Xylene	**<500**	ug/kg	1200	500	10	01/24/17 10:00	01/25/17 18:32	179601-23-1	W
o-Xylene	**<250**	ug/kg	600	250	10	01/24/17 10:00	01/25/17 18:32	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	115	%	53-165		10	01/24/17 10:00	01/25/17 18:32	1868-53-7	
Toluene-d8 (S)	94	%	54-163		10	01/24/17 10:00	01/25/17 18:32	2037-26-5	
4-Bromofluorobenzene (S)	70	%	48-138		10	01/24/17 10:00	01/25/17 18:32	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.1**	%	0.10	0.10	1		01/25/17 15:07		

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-105 4-5' **Lab ID: 40144781003** Collected: 01/20/17 09:48 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	71-43-2	W
Bromobenzene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	108-86-1	W
Bromochloromethane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	74-97-5	W
Bromodichloromethane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	75-27-4	W
Bromoform	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	75-25-2	W
Bromomethane	**<140**	ug/kg	500	140	2	01/24/17 10:00	01/25/17 17:24	74-83-9	W
n-Butylbenzene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	104-51-8	W
sec-Butylbenzene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	135-98-8	W
tert-Butylbenzene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	98-06-6	W
Carbon tetrachloride	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	56-23-5	W
Chlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	108-90-7	W
Chloroethane	**<134**	ug/kg	500	134	2	01/24/17 10:00	01/25/17 17:24	75-00-3	W
Chloroform	**<92.9**	ug/kg	500	92.9	2	01/24/17 10:00	01/25/17 17:24	67-66-3	W
Chloromethane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	74-87-3	W
2-Chlorotoluene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	95-49-8	W
4-Chlorotoluene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	106-43-4	W
1,2-Dibromo-3-chloropropane	**<182**	ug/kg	500	182	2	01/24/17 10:00	01/25/17 17:24	96-12-8	W
Dibromochloromethane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	124-48-1	W
1,2-Dibromoethane (EDB)	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	106-93-4	W
Dibromomethane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	74-95-3	W
1,2-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	95-50-1	W
1,3-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	541-73-1	W
1,4-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	106-46-7	W
Dichlorodifluoromethane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	75-71-8	W
1,1-Dichloroethane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	75-34-3	W
1,2-Dichloroethane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	107-06-2	W
1,1-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	75-35-4	W
cis-1,2-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	156-59-2	W
trans-1,2-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	156-60-5	W
1,2-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	78-87-5	W
1,3-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	142-28-9	W
2,2-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	594-20-7	W
1,1-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	563-58-6	W
cis-1,3-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	10061-01-5	W
trans-1,3-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	10061-02-6	W
Diisopropyl ether	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	108-20-3	W
Ethylbenzene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	100-41-4	W
Hexachloro-1,3-butadiene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	87-68-3	W
Isopropylbenzene (Cumene)	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	98-82-8	W
p-Isopropyltoluene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	99-87-6	W
Methylene Chloride	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	75-09-2	W
Methyl-tert-butyl ether	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	1634-04-4	W
Naphthalene	**<80.1**	ug/kg	500	80.1	2	01/24/17 10:00	01/25/17 17:24	91-20-3	W
n-Propylbenzene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	103-65-1	W
Styrene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	100-42-5	W

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-105 4-5' **Lab ID: 40144781003** Collected: 01/20/17 09:48 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	630-20-6	W
1,1,2,2-Tetrachloroethane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	79-34-5	W
Tetrachloroethene	**16100**	ug/kg	140	58.3	2	01/24/17 10:00	01/25/17 17:24	127-18-4	
Toluene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	108-88-3	W
1,2,3-Trichlorobenzene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	87-61-6	W
1,2,4-Trichlorobenzene	**<95.1**	ug/kg	500	95.1	2	01/24/17 10:00	01/25/17 17:24	120-82-1	W
1,1,1-Trichloroethane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	71-55-6	W
1,1,2-Trichloroethane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	79-00-5	W
Trichloroethene	**443**	ug/kg	140	58.3	2	01/24/17 10:00	01/25/17 17:24	79-01-6	
Trichlorofluoromethane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	75-69-4	W
1,2,3-Trichloropropane	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	96-18-4	W
1,2,4-Trimethylbenzene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	95-63-6	W
1,3,5-Trimethylbenzene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	108-67-8	W
Vinyl chloride	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	75-01-4	W
m&p-Xylene	**<100**	ug/kg	240	100	2	01/24/17 10:00	01/25/17 17:24	179601-23-1	W
o-Xylene	**<50.0**	ug/kg	120	50.0	2	01/24/17 10:00	01/25/17 17:24	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	118	%	53-165		2	01/24/17 10:00	01/25/17 17:24	1868-53-7	
Toluene-d8 (S)	97	%	54-163		2	01/24/17 10:00	01/25/17 17:24	2037-26-5	
4-Bromofluorobenzene (S)	79	%	48-138		2	01/24/17 10:00	01/25/17 17:24	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.2**	%	0.10	0.10	1		01/25/17 15:07		

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-105 8-10' **Lab ID: 40144781004** Collected: 01/20/17 09:53 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/24/17 10:00	01/25/17 16:16	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/24/17 10:00	01/25/17 16:16	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/24/17 10:00	01/25/17 16:16	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/24/17 10:00	01/25/17 16:16	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/24/17 10:00	01/25/17 16:16	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	100-42-5	W

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-105 8-10' **Lab ID: 40144781004** Collected: 01/20/17 09:53 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/24/17 10:00	01/25/17 16:16	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/24/17 10:00	01/25/17 16:16	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:16	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	53-165		1	01/24/17 10:00	01/25/17 16:16	1868-53-7	
Toluene-d8 (S)	100	%	54-163		1	01/24/17 10:00	01/25/17 16:16	2037-26-5	
4-Bromofluorobenzene (S)	83	%	48-138		1	01/24/17 10:00	01/25/17 16:16	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.2**	%	0.10	0.10	1		01/25/17 15:07		

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-106 3-4' **Lab ID: 40144781005** Collected: 01/20/17 10:59 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/24/17 10:00	01/25/17 13:15	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/24/17 10:00	01/25/17 13:15	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/24/17 10:00	01/25/17 13:15	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/24/17 10:00	01/25/17 13:15	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/24/17 10:00	01/25/17 13:15	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	100-42-5	W

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-106 3-4' **Lab ID: 40144781005** Collected: 01/20/17 10:59 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	79-34-5	W
Tetrachloroethene	**340**	ug/kg	76.0	31.7	1	01/24/17 10:00	01/25/17 13:15	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/24/17 10:00	01/25/17 13:15	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/24/17 10:00	01/25/17 13:15	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:15	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	112	%	53-165		1	01/24/17 10:00	01/25/17 13:15	1868-53-7	
Toluene-d8 (S)	104	%	54-163		1	01/24/17 10:00	01/25/17 13:15	2037-26-5	
4-Bromofluorobenzene (S)	85	%	48-138		1	01/24/17 10:00	01/25/17 13:15	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.1**	%	0.10	0.10	1		01/25/17 15:07		

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-106 5-6' **Lab ID: 40144781006** Collected: 01/20/17 11:05 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/24/17 10:00	01/25/17 13:38	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/24/17 10:00	01/25/17 13:38	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/24/17 10:00	01/25/17 13:38	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/24/17 10:00	01/25/17 13:38	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/24/17 10:00	01/25/17 13:38	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-106 5-6' **Lab ID: 40144781006** Collected: 01/20/17 11:05 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/24/17 10:00	01/25/17 13:38	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/24/17 10:00	01/25/17 13:38	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 13:38	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	119	%	53-165		1	01/24/17 10:00	01/25/17 13:38	1868-53-7	
Toluene-d8 (S)	105	%	54-163		1	01/24/17 10:00	01/25/17 13:38	2037-26-5	
4-Bromofluorobenzene (S)	86	%	48-138		1	01/24/17 10:00	01/25/17 13:38	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.4**	%	0.10	0.10	1		01/25/17 15:07		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-106 8-10' **Lab ID: 40144781007** Collected: 01/20/17 11:10 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/24/17 10:00	01/25/17 14:00	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/24/17 10:00	01/25/17 14:00	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/24/17 10:00	01/25/17 14:00	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/24/17 10:00	01/25/17 14:00	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/24/17 10:00	01/25/17 14:00	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-106 8-10' **Lab ID: 40144781007** Collected: 01/20/17 11:10 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	79-34-5	W
Tetrachloroethene	**1700**	ug/kg	71.5	29.8	1	01/24/17 10:00	01/25/17 14:00	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/24/17 10:00	01/25/17 14:00	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	79-00-5	W
Trichloroethene	**66.1J**	ug/kg	71.5	29.8	1	01/24/17 10:00	01/25/17 14:00	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/24/17 10:00	01/25/17 14:00	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:00	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	114	%	53-165		1	01/24/17 10:00	01/25/17 14:00	1868-53-7	
Toluene-d8 (S)	97	%	54-163		1	01/24/17 10:00	01/25/17 14:00	2037-26-5	
4-Bromofluorobenzene (S)	78	%	48-138		1	01/24/17 10:00	01/25/17 14:00	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.0**	%	0.10	0.10	1		01/25/17 15:07		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-107 3-4' **Lab ID: 40144781008** Collected: 01/20/17 11:20 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/24/17 10:00	01/25/17 14:23	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/24/17 10:00	01/25/17 14:23	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/24/17 10:00	01/25/17 14:23	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/24/17 10:00	01/25/17 14:23	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/24/17 10:00	01/25/17 14:23	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	100-42-5	W

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-107 3-4' **Lab ID: 40144781008** Collected: 01/20/17 11:20 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/24/17 10:00	01/25/17 14:23	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/24/17 10:00	01/25/17 14:23	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:23	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	107	%	53-165		1	01/24/17 10:00	01/25/17 14:23	1868-53-7	
Toluene-d8 (S)	95	%	54-163		1	01/24/17 10:00	01/25/17 14:23	2037-26-5	
4-Bromofluorobenzene (S)	80	%	48-138		1	01/24/17 10:00	01/25/17 14:23	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**23.0**	%	0.10	0.10	1		01/25/17 15:44		

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-107 5-6' **Lab ID: 40144781009** Collected: 01/20/17 11:23 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/24/17 10:00	01/25/17 14:45	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/24/17 10:00	01/25/17 14:45	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/24/17 10:00	01/25/17 14:45	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/24/17 10:00	01/25/17 14:45	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/24/17 10:00	01/25/17 14:45	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	100-42-5	W

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-107 5-6' **Lab ID: 40144781009** Collected: 01/20/17 11:23 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/24/17 10:00	01/25/17 14:45	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/24/17 10:00	01/25/17 14:45	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 14:45	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	112	%	53-165		1	01/24/17 10:00	01/25/17 14:45	1868-53-7	
Toluene-d8 (S)	103	%	54-163		1	01/24/17 10:00	01/25/17 14:45	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-138		1	01/24/17 10:00	01/25/17 14:45	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 01/25/17 00:00								
Benzene	**<0.0050**	mg/L	0.010	0.0050	10		01/26/17 11:28	71-43-2	
2-Butanone (MEK)	**<0.030**	mg/L	0.20	0.030	10		01/26/17 11:28	78-93-3	
Carbon tetrachloride	**<0.0050**	mg/L	0.010	0.0050	10		01/26/17 11:28	56-23-5	
Chlorobenzene	**<0.0050**	mg/L	0.010	0.0050	10		01/26/17 11:28	108-90-7	
Chloroform	**<0.025**	mg/L	0.050	0.025	10		01/26/17 11:28	67-66-3	
1,2-Dichloroethane	**<0.0017**	mg/L	0.010	0.0017	10		01/26/17 11:28	107-06-2	
1,1-Dichloroethene	**<0.0041**	mg/L	0.010	0.0041	10		01/26/17 11:28	75-35-4	
Tetrachloroethene	**<0.0050**	mg/L	0.010	0.0050	10		01/26/17 11:28	127-18-4	
Trichloroethene	**<0.0033**	mg/L	0.010	0.0033	10		01/26/17 11:28	79-01-6	
Vinyl chloride	**<0.0018**	mg/L	0.010	0.0018	10		01/26/17 11:28	75-01-4	
Surrogates									
Toluene-d8 (S)	91	%	70-130		10		01/26/17 11:28	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		10		01/26/17 11:28	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		10		01/26/17 11:28	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.2**	%	0.10	0.10	1		01/25/17 15:44		

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-107 8-10' **Lab ID: 40144781010** Collected: 01/20/17 11:28 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/24/17 10:00	01/25/17 15:08	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/24/17 10:00	01/25/17 15:08	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/24/17 10:00	01/25/17 15:08	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/24/17 10:00	01/25/17 15:08	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	75-35-4	W
cis-1,2-Dichloroethene	**31.0J**	ug/kg	73.2	30.5	1	01/24/17 10:00	01/25/17 15:08	156-59-2	
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/24/17 10:00	01/25/17 15:08	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	100-42-5	W

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-107 8-10' **Lab ID: 40144781010** Collected: 01/20/17 11:28 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	79-34-5	W
Tetrachloroethene	**349**	ug/kg	73.2	30.5	1	01/24/17 10:00	01/25/17 15:08	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/24/17 10:00	01/25/17 15:08	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	79-00-5	W
Trichloroethene	**42.0J**	ug/kg	73.2	30.5	1	01/24/17 10:00	01/25/17 15:08	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/24/17 10:00	01/25/17 15:08	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:08	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	53-165		1	01/24/17 10:00	01/25/17 15:08	1868-53-7	
Toluene-d8 (S)	100	%	54-163		1	01/24/17 10:00	01/25/17 15:08	2037-26-5	
4-Bromofluorobenzene (S)	80	%	48-138		1	01/24/17 10:00	01/25/17 15:08	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.0**	%	0.10	0.10	1		01/25/17 15:44		

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-108 3-4' **Lab ID: 40144781011** Collected: 01/20/17 11:41 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/24/17 10:00	01/25/17 15:31	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/24/17 10:00	01/25/17 15:31	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/24/17 10:00	01/25/17 15:31	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/24/17 10:00	01/25/17 15:31	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/24/17 10:00	01/25/17 15:31	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	100-42-5	W

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-108 3-4' **Lab ID: 40144781011** Collected: 01/20/17 11:41 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/24/17 10:00	01/25/17 15:31	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/24/17 10:00	01/25/17 15:31	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:31	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	53-165		1	01/24/17 10:00	01/25/17 15:31	1868-53-7	
Toluene-d8 (S)	86	%	54-163		1	01/24/17 10:00	01/25/17 15:31	2037-26-5	
4-Bromofluorobenzene (S)	73	%	48-138		1	01/24/17 10:00	01/25/17 15:31	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.2**	%	0.10	0.10	1		01/25/17 15:45		

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-108 5-6' **Lab ID: 40144781012** Collected: 01/20/17 11:47 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/24/17 10:00	01/25/17 15:53	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/24/17 10:00	01/25/17 15:53	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/24/17 10:00	01/25/17 15:53	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/24/17 10:00	01/25/17 15:53	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/24/17 10:00	01/25/17 15:53	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	100-42-5	W

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-108 5-6' **Lab ID: 40144781012** Collected: 01/20/17 11:47 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/24/17 10:00	01/25/17 15:53	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/24/17 10:00	01/25/17 15:53	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 15:53	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	53-165		1	01/24/17 10:00	01/25/17 15:53	1868-53-7	
Toluene-d8 (S)	96	%	54-163		1	01/24/17 10:00	01/25/17 15:53	2037-26-5	
4-Bromofluorobenzene (S)	76	%	48-138		1	01/24/17 10:00	01/25/17 15:53	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.9**	%	0.10	0.10	1		01/25/17 15:45		

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-108 8-10' **Lab ID: 40144781013** Collected: 01/20/17 11:52 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/24/17 10:00	01/25/17 16:39	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/24/17 10:00	01/25/17 16:39	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/24/17 10:00	01/25/17 16:39	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/24/17 10:00	01/25/17 16:39	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/24/17 10:00	01/25/17 16:39	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	100-42-5	W

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-108 8-10' **Lab ID: 40144781013** Collected: 01/20/17 11:52 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	79-34-5	W
Tetrachloroethene	**245**	ug/kg	72.6	30.3	1	01/24/17 10:00	01/25/17 16:39	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/24/17 10:00	01/25/17 16:39	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/24/17 10:00	01/25/17 16:39	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 16:39	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	124	%	53-165		1	01/24/17 10:00	01/25/17 16:39	1868-53-7	
Toluene-d8 (S)	103	%	54-163		1	01/24/17 10:00	01/25/17 16:39	2037-26-5	
4-Bromofluorobenzene (S)	92	%	48-138		1	01/24/17 10:00	01/25/17 16:39	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.4**	%	0.10	0.10	1		01/25/17 15:45		

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-109 3-4' **Lab ID: 40144781014** Collected: 01/20/17 12:05 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/24/17 10:00	01/25/17 17:01	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/24/17 10:00	01/25/17 17:01	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/24/17 10:00	01/25/17 17:01	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/24/17 10:00	01/25/17 17:01	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/24/17 10:00	01/25/17 17:01	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	100-42-5	W

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-109 3-4' **Lab ID: 40144781014** Collected: 01/20/17 12:05 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/24/17 10:00	01/25/17 17:01	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/24/17 10:00	01/25/17 17:01	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/24/17 10:00	01/25/17 17:01	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	114	%	53-165		1	01/24/17 10:00	01/25/17 17:01	1868-53-7	
Toluene-d8 (S)	102	%	54-163		1	01/24/17 10:00	01/25/17 17:01	2037-26-5	
4-Bromofluorobenzene (S)	85	%	48-138		1	01/24/17 10:00	01/25/17 17:01	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.3**	%	0.10	0.10	1		01/25/17 15:45		

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-109 5-6' **Lab ID: 40144781015** Collected: 01/20/17 12:07 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/25/17 09:30	01/26/17 10:31	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/25/17 09:30	01/26/17 10:31	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/25/17 09:30	01/26/17 10:31	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/25/17 09:30	01/26/17 10:31	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/25/17 09:30	01/26/17 10:31	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	100-42-5	W

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-109 5-6' **Lab ID: 40144781015** Collected: 01/20/17 12:07 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/25/17 09:30	01/26/17 10:31	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/25/17 09:30	01/26/17 10:31	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:31	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	53-165		1	01/25/17 09:30	01/26/17 10:31	1868-53-7	
Toluene-d8 (S)	94	%	54-163		1	01/25/17 09:30	01/26/17 10:31	2037-26-5	
4-Bromofluorobenzene (S)	79	%	48-138		1	01/25/17 09:30	01/26/17 10:31	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.6**	%	0.10	0.10	1		01/25/17 15:45		

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-109 8-10' **Lab ID: 40144781016** Collected: 01/20/17 12:15 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/25/17 09:30	01/26/17 10:53	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/25/17 09:30	01/26/17 10:53	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/25/17 09:30	01/26/17 10:53	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/25/17 09:30	01/26/17 10:53	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/25/17 09:30	01/26/17 10:53	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	100-42-5	W

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: B-109 8-10' **Lab ID: 40144781016** Collected: 01/20/17 12:15 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/25/17 09:30	01/26/17 10:53	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/25/17 09:30	01/26/17 10:53	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/25/17 09:30	01/26/17 10:53	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	53-165		1	01/25/17 09:30	01/26/17 10:53	1868-53-7	
Toluene-d8 (S)	104	%	54-163		1	01/25/17 09:30	01/26/17 10:53	2037-26-5	
4-Bromofluorobenzene (S)	88	%	48-138		1	01/25/17 09:30	01/26/17 10:53	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.6**	%	0.10	0.10	1		01/25/17 15:45		

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: METH BLANK **Lab ID: 40144781017** Collected: 01/20/17 00:00 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	01/27/17 08:00	01/27/17 12:26	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	01/27/17 08:00	01/27/17 12:26	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	01/27/17 08:00	01/27/17 12:26	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	01/27/17 08:00	01/27/17 12:26	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	01/27/17 08:00	01/27/17 12:26	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	100-42-5	W

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ANALYTICAL RESULTS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Sample: METH BLANK **Lab ID: 40144781017** Collected: 01/20/17 00:00 Received: 01/23/17 13:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	01/27/17 08:00	01/27/17 12:26	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	01/27/17 08:00	01/27/17 12:26	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	01/27/17 08:00	01/27/17 12:26	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	53-165		1	01/27/17 08:00	01/27/17 12:26	1868-53-7	
Toluene-d8 (S)	94	%	54-163		1	01/27/17 08:00	01/27/17 12:26	2037-26-5	
4-Bromofluorobenzene (S)	95	%	48-138		1	01/27/17 08:00	01/27/17 12:26	460-00-4	

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

QC Batch: 246948 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40144781001, 40144781002, 40144781003, 40144781004, 40144781005, 40144781006, 40144781007, 40144781008, 40144781009, 40144781010, 40144781011, 40144781012, 40144781013, 40144781014

METHOD BLANK: 1459912 Matrix: Solid
Associated Lab Samples: 40144781001, 40144781002, 40144781003, 40144781004, 40144781005, 40144781006, 40144781007, 40144781008, 40144781009, 40144781010, 40144781011, 40144781012, 40144781013, 40144781014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	01/25/17 09:05	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	01/25/17 09:05	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	01/25/17 09:05	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	01/25/17 09:05	
1,1-Dichloroethane	ug/kg	<17.6	50.0	01/25/17 09:05	
1,1-Dichloroethene	ug/kg	<17.6	50.0	01/25/17 09:05	
1,1-Dichloropropene	ug/kg	<14.0	50.0	01/25/17 09:05	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	01/25/17 09:05	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	01/25/17 09:05	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	01/25/17 09:05	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	01/25/17 09:05	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	01/25/17 09:05	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	01/25/17 09:05	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	01/25/17 09:05	
1,2-Dichloroethane	ug/kg	<15.0	50.0	01/25/17 09:05	
1,2-Dichloropropane	ug/kg	<16.8	50.0	01/25/17 09:05	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	01/25/17 09:05	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	01/25/17 09:05	
1,3-Dichloropropane	ug/kg	<12.0	50.0	01/25/17 09:05	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	01/25/17 09:05	
2,2-Dichloropropane	ug/kg	<12.6	50.0	01/25/17 09:05	
2-Chlorotoluene	ug/kg	<15.8	50.0	01/25/17 09:05	
4-Chlorotoluene	ug/kg	<13.0	50.0	01/25/17 09:05	
Benzene	ug/kg	<9.2	20.0	01/25/17 09:05	
Bromobenzene	ug/kg	<20.6	50.0	01/25/17 09:05	
Bromochloromethane	ug/kg	<21.4	50.0	01/25/17 09:05	
Bromodichloromethane	ug/kg	<9.8	50.0	01/25/17 09:05	
Bromoform	ug/kg	<19.8	50.0	01/25/17 09:05	
Bromomethane	ug/kg	<69.9	250	01/25/17 09:05	
Carbon tetrachloride	ug/kg	<12.1	50.0	01/25/17 09:05	
Chlorobenzene	ug/kg	<14.8	50.0	01/25/17 09:05	
Chloroethane	ug/kg	<67.0	250	01/25/17 09:05	
Chloroform	ug/kg	<46.4	250	01/25/17 09:05	
Chloromethane	ug/kg	<20.4	50.0	01/25/17 09:05	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	01/25/17 09:05	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	01/25/17 09:05	
Dibromochloromethane	ug/kg	<17.9	50.0	01/25/17 09:05	
Dibromomethane	ug/kg	<19.3	50.0	01/25/17 09:05	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	01/25/17 09:05	
Diisopropyl ether	ug/kg	<17.7	50.0	01/25/17 09:05	

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

METHOD BLANK: 1459912 Matrix: Solid

Associated Lab Samples: 40144781001, 40144781002, 40144781003, 40144781004, 40144781005, 40144781006, 40144781007, 40144781008, 40144781009, 40144781010, 40144781011, 40144781012, 40144781013, 40144781014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<12.4	50.0	01/25/17 09:05	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	01/25/17 09:05	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	01/25/17 09:05	
m&p-Xylene	ug/kg	<34.4	100	01/25/17 09:05	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	01/25/17 09:05	
Methylene Chloride	ug/kg	<16.2	50.0	01/25/17 09:05	
n-Butylbenzene	ug/kg	<10.5	50.0	01/25/17 09:05	
n-Propylbenzene	ug/kg	<11.6	50.0	01/25/17 09:05	
Naphthalene	ug/kg	<40.0	250	01/25/17 09:05	
o-Xylene	ug/kg	<14.0	50.0	01/25/17 09:05	
p-Isopropyltoluene	ug/kg	<12.0	50.0	01/25/17 09:05	
sec-Butylbenzene	ug/kg	<11.9	50.0	01/25/17 09:05	
Styrene	ug/kg	<9.0	50.0	01/25/17 09:05	
tert-Butylbenzene	ug/kg	<9.5	50.0	01/25/17 09:05	
Tetrachloroethene	ug/kg	<12.9	50.0	01/25/17 09:05	
Toluene	ug/kg	<11.2	50.0	01/25/17 09:05	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	01/25/17 09:05	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	01/25/17 09:05	
Trichloroethene	ug/kg	<23.6	50.0	01/25/17 09:05	
Trichlorofluoromethane	ug/kg	<24.7	50.0	01/25/17 09:05	
Vinyl chloride	ug/kg	<21.1	50.0	01/25/17 09:05	
4-Bromofluorobenzene (S)	%	85	48-138	01/25/17 09:05	
Dibromofluoromethane (S)	%	110	53-165	01/25/17 09:05	
Toluene-d8 (S)	%	102	54-163	01/25/17 09:05	

LABORATORY CONTROL SAMPLE: 1459913

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2450	98	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2730	109	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2630	105	70-130	
1,1-Dichloroethane	ug/kg	2500	2420	97	70-133	
1,1-Dichloroethene	ug/kg	2500	2460	99	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2560	102	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2770	111	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2710	108	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2530	101	70-130	
1,2-Dichloroethane	ug/kg	2500	2580	103	70-138	
1,2-Dichloropropane	ug/kg	2500	2570	103	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2440	98	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2490	100	70-130	
Benzene	ug/kg	2500	2320	93	70-130	
Bromodichloromethane	ug/kg	2500	2780	111	70-130	

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

LABORATORY CONTROL SAMPLE: 1459913

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	2700	108	68-130	
Bromomethane	ug/kg	2500	2920	117	25-163	
Carbon tetrachloride	ug/kg	2500	2730	109	70-130	
Chlorobenzene	ug/kg	2500	2580	103	70-130	
Chloroethane	ug/kg	2500	3150	126	34-151	
Chloroform	ug/kg	2500	2480	99	70-130	
Chloromethane	ug/kg	2500	2020	81	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2230	89	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2480	99	70-130	
Dibromochloromethane	ug/kg	2500	2730	109	70-130	
Dichlorodifluoromethane	ug/kg	2500	1630	65	27-150	
Ethylbenzene	ug/kg	2500	2540	102	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2600	104	70-130	
m&p-Xylene	ug/kg	5000	5300	106	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2660	106	70-130	
Methylene Chloride	ug/kg	2500	2620	105	70-131	
o-Xylene	ug/kg	2500	2500	100	70-130	
Styrene	ug/kg	2500	2600	104	70-130	
Tetrachloroethene	ug/kg	2500	2880	115	70-130	
Toluene	ug/kg	2500	2560	103	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2370	95	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2460	99	70-130	
Trichloroethene	ug/kg	2500	2410	96	70-130	
Trichlorofluoromethane	ug/kg	2500	3170	127	50-150	
Vinyl chloride	ug/kg	2500	2220	89	57-130	
4-Bromofluorobenzene (S)	%			97	48-138	
Dibromofluoromethane (S)	%			102	53-165	
Toluene-d8 (S)	%			100	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1459914 1459915

Parameter	Units	40144781012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1540	1540	1500	1580	97	102	70-130	5	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1540	1540	1730	1860	112	121	70-130	7	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1540	1540	1670	1560	109	101	70-130	7	20	
1,1-Dichloroethane	ug/kg	<25.0	1540	1540	1530	1600	99	104	64-133	5	20	
1,1-Dichloroethene	ug/kg	<25.0	1540	1540	1490	1560	97	101	56-130	4	24	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1540	1540	1800	1860	117	121	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1540	1540	1750	1800	113	117	50-150	3	20	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1540	1540	1740	1560	113	101	70-130	11	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1540	1540	1660	1770	107	115	70-130	6	20	
1,2-Dichloroethane	ug/kg	<25.0	1540	1540	1680	1640	109	107	70-138	2	20	
1,2-Dichloropropane	ug/kg	<25.0	1540	1540	1510	1570	98	102	70-130	4	20	

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1459914 1459915

Parameter	Units	40144781012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichlorobenzene	ug/kg	<25.0	1540	1540	1510	1690	98	110	70-130	12	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1540	1540	1570	1660	102	107	70-130	5	20	
Benzene	ug/kg	<25.0	1540	1540	1440	1470	93	95	70-130	2	20	
Bromodichloromethane	ug/kg	<25.0	1540	1540	1720	1800	112	117	70-130	5	20	
Bromoform	ug/kg	<25.0	1540	1540	1790	1660	116	108	65-130	8	20	
Bromomethane	ug/kg	<69.9	1540	1540	1890	1890	123	123	11-163	0	21	
Carbon tetrachloride	ug/kg	<25.0	1540	1540	1520	1570	99	102	70-130	3	20	
Chlorobenzene	ug/kg	<25.0	1540	1540	1600	1610	104	104	70-130	1	20	
Chloroethane	ug/kg	<67.0	1540	1540	2110	2190	137	142	17-151	4	20	
Chloroform	ug/kg	<46.4	1540	1540	1500	1580	97	103	70-130	5	20	
Chloromethane	ug/kg	<25.0	1540	1540	1260	1280	82	83	13-130	1	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1540	1540	1380	1400	90	91	70-130	1	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1540	1540	1520	1420	98	92	70-130	7	20	
Dibromochloromethane	ug/kg	<25.0	1540	1540	1790	1640	116	107	70-130	9	20	
Dichlorodifluoromethane	ug/kg	<25.0	1540	1540	714	765	46	50	10-150	7	21	
Ethylbenzene	ug/kg	<25.0	1540	1540	1500	1480	97	96	70-130	1	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1540	1540	1500	1490	97	96	70-130	1	20	
m&p-Xylene	ug/kg	<50.0	3080	3080	3160	3040	102	99	70-130	4	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1540	1540	1670	1650	109	107	70-130	1	20	
Methylene Chloride	ug/kg	<25.0	1540	1540	1620	1650	105	107	70-131	2	20	
o-Xylene	ug/kg	<25.0	1540	1540	1490	1440	97	93	70-130	4	20	
Styrene	ug/kg	<25.0	1540	1540	1480	1490	96	97	70-130	0	20	
Tetrachloroethene	ug/kg	<25.0	1540	1540	1680	1740	109	113	70-130	4	20	
Toluene	ug/kg	<25.0	1540	1540	1580	1610	103	104	70-130	2	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1540	1540	1390	1350	90	88	70-130	3	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1540	1540	1490	1450	96	94	70-130	3	20	
Trichloroethene	ug/kg	<25.0	1540	1540	1490	1560	97	101	70-130	5	20	
Trichlorofluoromethane	ug/kg	<25.0	1540	1540	1690	1820	110	118	40-150	8	31	
Vinyl chloride	ug/kg	<25.0	1540	1540	1250	1360	81	89	26-130	9	20	
4-Bromofluorobenzene (S)	%						91	96	48-138			
Dibromofluoromethane (S)	%						104	112	53-165			
Toluene-d8 (S)	%						99	105	54-163			

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

QC Batch: 247073 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40144781015, 40144781016

METHOD BLANK: 1460345 Matrix: Solid
Associated Lab Samples: 40144781015, 40144781016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	01/26/17 08:15	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	01/26/17 08:15	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	01/26/17 08:15	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	01/26/17 08:15	
1,1-Dichloroethane	ug/kg	<17.6	50.0	01/26/17 08:15	
1,1-Dichloroethene	ug/kg	<17.6	50.0	01/26/17 08:15	
1,1-Dichloropropene	ug/kg	<14.0	50.0	01/26/17 08:15	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	01/26/17 08:15	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	01/26/17 08:15	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	01/26/17 08:15	
1,2,4-Trimethylbenzene	ug/kg	21.1J	50.0	01/26/17 08:15	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	01/26/17 08:15	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	01/26/17 08:15	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	01/26/17 08:15	
1,2-Dichloroethane	ug/kg	<15.0	50.0	01/26/17 08:15	
1,2-Dichloropropane	ug/kg	<16.8	50.0	01/26/17 08:15	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	01/26/17 08:15	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	01/26/17 08:15	
1,3-Dichloropropane	ug/kg	<12.0	50.0	01/26/17 08:15	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	01/26/17 08:15	
2,2-Dichloropropane	ug/kg	<12.6	50.0	01/26/17 08:15	
2-Chlorotoluene	ug/kg	<15.8	50.0	01/26/17 08:15	
4-Chlorotoluene	ug/kg	<13.0	50.0	01/26/17 08:15	
Benzene	ug/kg	49.7	20.0	01/26/17 08:15	
Bromobenzene	ug/kg	<20.6	50.0	01/26/17 08:15	
Bromochloromethane	ug/kg	<21.4	50.0	01/26/17 08:15	
Bromodichloromethane	ug/kg	<9.8	50.0	01/26/17 08:15	
Bromoform	ug/kg	<19.8	50.0	01/26/17 08:15	
Bromomethane	ug/kg	<69.9	250	01/26/17 08:15	
Carbon tetrachloride	ug/kg	<12.1	50.0	01/26/17 08:15	
Chlorobenzene	ug/kg	<14.8	50.0	01/26/17 08:15	
Chloroethane	ug/kg	<67.0	250	01/26/17 08:15	
Chloroform	ug/kg	<46.4	250	01/26/17 08:15	
Chloromethane	ug/kg	<20.4	50.0	01/26/17 08:15	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	01/26/17 08:15	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	01/26/17 08:15	
Dibromochloromethane	ug/kg	<17.9	50.0	01/26/17 08:15	
Dibromomethane	ug/kg	<19.3	50.0	01/26/17 08:15	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	01/26/17 08:15	
Diisopropyl ether	ug/kg	<17.7	50.0	01/26/17 08:15	
Ethylbenzene	ug/kg	43.9J	50.0	01/26/17 08:15	

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

METHOD BLANK: 1460345 Matrix: Solid
Associated Lab Samples: 40144781015, 40144781016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	01/26/17 08:15	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	01/26/17 08:15	
m&p-Xylene	ug/kg	146	100	01/26/17 08:15	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	01/26/17 08:15	
Methylene Chloride	ug/kg	62.7	50.0	01/26/17 08:15	
n-Butylbenzene	ug/kg	<10.5	50.0	01/26/17 08:15	
n-Propylbenzene	ug/kg	<11.6	50.0	01/26/17 08:15	
Naphthalene	ug/kg	<40.0	250	01/26/17 08:15	
o-Xylene	ug/kg	57.3	50.0	01/26/17 08:15	
p-Isopropyltoluene	ug/kg	<12.0	50.0	01/26/17 08:15	
sec-Butylbenzene	ug/kg	<11.9	50.0	01/26/17 08:15	
Styrene	ug/kg	<9.0	50.0	01/26/17 08:15	
tert-Butylbenzene	ug/kg	<9.5	50.0	01/26/17 08:15	
Tetrachloroethene	ug/kg	<12.9	50.0	01/26/17 08:15	
Toluene	ug/kg	563	50.0	01/26/17 08:15	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	01/26/17 08:15	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	01/26/17 08:15	
Trichloroethene	ug/kg	<23.6	50.0	01/26/17 08:15	
Trichlorofluoromethane	ug/kg	<24.7	50.0	01/26/17 08:15	
Vinyl chloride	ug/kg	<21.1	50.0	01/26/17 08:15	
4-Bromofluorobenzene (S)	%	88	48-138	01/26/17 08:15	
Dibromofluoromethane (S)	%	108	53-165	01/26/17 08:15	
Toluene-d8 (S)	%	106	54-163	01/26/17 08:15	

LABORATORY CONTROL SAMPLE: 1460346

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2400	96	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2460	98	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2520	101	70-130	
1,1-Dichloroethane	ug/kg	2500	2300	92	70-133	
1,1-Dichloroethene	ug/kg	2500	2350	94	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2520	101	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2560	102	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2800	112	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2560	103	70-130	
1,2-Dichloroethane	ug/kg	2500	2460	99	70-138	
1,2-Dichloropropane	ug/kg	2500	2550	102	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2350	94	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2440	98	70-130	
Benzene	ug/kg	2500	2200	88	70-130	
Bromodichloromethane	ug/kg	2500	2780	111	70-130	
Bromoform	ug/kg	2500	2780	111	68-130	
Bromomethane	ug/kg	2500	2700	108	25-163	

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

LABORATORY CONTROL SAMPLE: 1460346

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2680	107	70-130	
Chlorobenzene	ug/kg	2500	2610	104	70-130	
Chloroethane	ug/kg	2500	3230	129	34-151	
Chloroform	ug/kg	2500	2380	95	70-130	
Chloromethane	ug/kg	2500	1950	78	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2080	83	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2440	98	70-130	
Dibromochloromethane	ug/kg	2500	2730	109	70-130	
Dichlorodifluoromethane	ug/kg	2500	1640	66	27-150	
Ethylbenzene	ug/kg	2500	2580	103	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2610	104	70-130	
m&p-Xylene	ug/kg	5000	5330	107	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2400	96	70-130	
Methylene Chloride	ug/kg	2500	2550	102	70-131	
o-Xylene	ug/kg	2500	2380	95	70-130	
Styrene	ug/kg	2500	2560	103	70-130	
Tetrachloroethene	ug/kg	2500	2990	119	70-130	
Toluene	ug/kg	2500	2580	103	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2230	89	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2320	93	70-130	
Trichloroethene	ug/kg	2500	2440	97	70-130	
Trichlorofluoromethane	ug/kg	2500	3070	123	50-150	
Vinyl chloride	ug/kg	2500	2160	86	57-130	
4-Bromofluorobenzene (S)	%			95	48-138	
Dibromofluoromethane (S)	%			98	53-165	
Toluene-d8 (S)	%			100	54-163	

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

QC Batch: 247217 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40144781017

METHOD BLANK: 1461112 Matrix: Solid
Associated Lab Samples: 40144781017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	01/27/17 08:52	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	01/27/17 08:52	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	01/27/17 08:52	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	01/27/17 08:52	
1,1-Dichloroethane	ug/kg	<17.6	50.0	01/27/17 08:52	
1,1-Dichloroethene	ug/kg	<17.6	50.0	01/27/17 08:52	
1,1-Dichloropropene	ug/kg	<14.0	50.0	01/27/17 08:52	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	01/27/17 08:52	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	01/27/17 08:52	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	01/27/17 08:52	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	01/27/17 08:52	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	01/27/17 08:52	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	01/27/17 08:52	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	01/27/17 08:52	
1,2-Dichloroethane	ug/kg	<15.0	50.0	01/27/17 08:52	
1,2-Dichloropropane	ug/kg	<16.8	50.0	01/27/17 08:52	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	01/27/17 08:52	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	01/27/17 08:52	
1,3-Dichloropropane	ug/kg	<12.0	50.0	01/27/17 08:52	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	01/27/17 08:52	
2,2-Dichloropropane	ug/kg	<12.6	50.0	01/27/17 08:52	
2-Chlorotoluene	ug/kg	<15.8	50.0	01/27/17 08:52	
4-Chlorotoluene	ug/kg	<13.0	50.0	01/27/17 08:52	
Benzene	ug/kg	<9.2	20.0	01/27/17 08:52	
Bromobenzene	ug/kg	<20.6	50.0	01/27/17 08:52	
Bromochloromethane	ug/kg	<21.4	50.0	01/27/17 08:52	
Bromodichloromethane	ug/kg	<9.8	50.0	01/27/17 08:52	
Bromoform	ug/kg	<19.8	50.0	01/27/17 08:52	
Bromomethane	ug/kg	<69.9	250	01/27/17 08:52	
Carbon tetrachloride	ug/kg	<12.1	50.0	01/27/17 08:52	
Chlorobenzene	ug/kg	<14.8	50.0	01/27/17 08:52	
Chloroethane	ug/kg	<67.0	250	01/27/17 08:52	
Chloroform	ug/kg	<46.4	250	01/27/17 08:52	
Chloromethane	ug/kg	<20.4	50.0	01/27/17 08:52	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	01/27/17 08:52	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	01/27/17 08:52	
Dibromochloromethane	ug/kg	<17.9	50.0	01/27/17 08:52	
Dibromomethane	ug/kg	<19.3	50.0	01/27/17 08:52	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	01/27/17 08:52	
Diisopropyl ether	ug/kg	<17.7	50.0	01/27/17 08:52	
Ethylbenzene	ug/kg	<12.4	50.0	01/27/17 08:52	

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

METHOD BLANK: 1461112 Matrix: Solid
Associated Lab Samples: 40144781017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	01/27/17 08:52	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	01/27/17 08:52	
m&p-Xylene	ug/kg	<34.4	100	01/27/17 08:52	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	01/27/17 08:52	
Methylene Chloride	ug/kg	<16.2	50.0	01/27/17 08:52	
n-Butylbenzene	ug/kg	<10.5	50.0	01/27/17 08:52	
n-Propylbenzene	ug/kg	<11.6	50.0	01/27/17 08:52	
Naphthalene	ug/kg	<40.0	250	01/27/17 08:52	
o-Xylene	ug/kg	<14.0	50.0	01/27/17 08:52	
p-Isopropyltoluene	ug/kg	<12.0	50.0	01/27/17 08:52	
sec-Butylbenzene	ug/kg	<11.9	50.0	01/27/17 08:52	
Styrene	ug/kg	<9.0	50.0	01/27/17 08:52	
tert-Butylbenzene	ug/kg	<9.5	50.0	01/27/17 08:52	
Tetrachloroethene	ug/kg	<12.9	50.0	01/27/17 08:52	
Toluene	ug/kg	<11.2	50.0	01/27/17 08:52	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	01/27/17 08:52	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	01/27/17 08:52	
Trichloroethene	ug/kg	<23.6	50.0	01/27/17 08:52	
Trichlorofluoromethane	ug/kg	<24.7	50.0	01/27/17 08:52	
Vinyl chloride	ug/kg	<21.1	50.0	01/27/17 08:52	
4-Bromofluorobenzene (S)	%	92	48-138	01/27/17 08:52	
Dibromofluoromethane (S)	%	100	53-165	01/27/17 08:52	
Toluene-d8 (S)	%	93	54-163	01/27/17 08:52	

LABORATORY CONTROL SAMPLE: 1461113

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2300	92	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2470	99	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2420	97	70-130	
1,1-Dichloroethane	ug/kg	2500	2600	104	70-133	
1,1-Dichloroethene	ug/kg	2500	2010	81	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2450	98	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2070	83	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2600	104	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2630	105	70-130	
1,2-Dichloroethane	ug/kg	2500	2580	103	70-138	
1,2-Dichloropropane	ug/kg	2500	2620	105	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2580	103	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2540	102	70-130	
Benzene	ug/kg	2500	2480	99	70-130	
Bromodichloromethane	ug/kg	2500	2210	88	70-130	
Bromoform	ug/kg	2500	2520	101	68-130	
Bromomethane	ug/kg	2500	2000	80	25-163	

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

LABORATORY CONTROL SAMPLE: 1461113

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2220	89	70-130	
Chlorobenzene	ug/kg	2500	2590	104	70-130	
Chloroethane	ug/kg	2500	2160	87	34-151	
Chloroform	ug/kg	2500	2380	95	70-130	
Chloromethane	ug/kg	2500	2360	95	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2460	98	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2310	92	70-130	
Dibromochloromethane	ug/kg	2500	2330	93	70-130	
Dichlorodifluoromethane	ug/kg	2500	1220	49	27-150	
Ethylbenzene	ug/kg	2500	2390	96	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2370	95	70-130	
m&p-Xylene	ug/kg	5000	4640	93	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2500	100	70-130	
Methylene Chloride	ug/kg	2500	2270	91	70-131	
o-Xylene	ug/kg	2500	2420	97	70-130	
Styrene	ug/kg	2500	2510	100	70-130	
Tetrachloroethene	ug/kg	2500	2340	93	70-130	
Toluene	ug/kg	2500	2400	96	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2330	93	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2250	90	70-130	
Trichloroethene	ug/kg	2500	2410	96	70-130	
Trichlorofluoromethane	ug/kg	2500	2000	80	50-150	
Vinyl chloride	ug/kg	2500	2290	92	57-130	
4-Bromofluorobenzene (S)	%			93	48-138	
Dibromofluoromethane (S)	%			104	53-165	
Toluene-d8 (S)	%			92	54-163	

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

QC Batch: 247078 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 40144781001, 40144781009

METHOD BLANK: 1460354 Matrix: Water
Associated Lab Samples: 40144781001, 40144781009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	mg/L	<0.00041	0.0010	01/26/17 08:53	
1,2-Dichloroethane	mg/L	<0.00017	0.0010	01/26/17 08:53	
2-Butanone (MEK)	mg/L	<0.0030	0.020	01/26/17 08:53	
Benzene	mg/L	<0.00050	0.0010	01/26/17 08:53	
Carbon tetrachloride	mg/L	<0.00050	0.0010	01/26/17 08:53	
Chlorobenzene	mg/L	<0.00050	0.0010	01/26/17 08:53	
Chloroform	mg/L	<0.0025	0.0050	01/26/17 08:53	
Tetrachloroethene	mg/L	<0.00050	0.0010	01/26/17 08:53	
Trichloroethene	mg/L	<0.00033	0.0010	01/26/17 08:53	
Vinyl chloride	mg/L	<0.00018	0.0010	01/26/17 08:53	
4-Bromofluorobenzene (S)	%	92	70-130	01/26/17 08:53	
Dibromofluoromethane (S)	%	102	70-130	01/26/17 08:53	
Toluene-d8 (S)	%	92	70-130	01/26/17 08:53	

METHOD BLANK: 1460007 Matrix: Solid
Associated Lab Samples: 40144781001, 40144781009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	mg/L	<0.0041	0.010	01/26/17 11:51	
1,2-Dichloroethane	mg/L	<0.0017	0.010	01/26/17 11:51	
2-Butanone (MEK)	mg/L	<0.030	0.20	01/26/17 11:51	
Benzene	mg/L	<0.0050	0.010	01/26/17 11:51	
Carbon tetrachloride	mg/L	<0.0050	0.010	01/26/17 11:51	
Chlorobenzene	mg/L	<0.0050	0.010	01/26/17 11:51	
Chloroform	mg/L	<0.025	0.050	01/26/17 11:51	
Tetrachloroethene	mg/L	<0.0050	0.010	01/26/17 11:51	
Trichloroethene	mg/L	<0.0033	0.010	01/26/17 11:51	
Vinyl chloride	mg/L	<0.0018	0.010	01/26/17 11:51	
4-Bromofluorobenzene (S)	%	92	70-130	01/26/17 11:51	
Dibromofluoromethane (S)	%	111	70-130	01/26/17 11:51	
Toluene-d8 (S)	%	93	70-130	01/26/17 11:51	

LABORATORY CONTROL SAMPLE: 1460355

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	mg/L	.05	0.049	99	70-130	
1,2-Dichloroethane	mg/L	.05	0.051	102	70-130	
Benzene	mg/L	.05	0.050	100	60-135	

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

LABORATORY CONTROL SAMPLE: 1460355

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	mg/L	.05	0.056	111	70-138	
Chlorobenzene	mg/L	.05	0.048	95	70-130	
Chloroform	mg/L	.05	0.049	97	70-130	
Tetrachloroethene	mg/L	.05	0.047	94	70-138	
Trichloroethene	mg/L	.05	0.048	97	70-130	
Vinyl chloride	mg/L	.05	0.051	102	49-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			105	70-130	
Toluene-d8 (S)	%			93	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1460356 1460357

Parameter	Units	40144781001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	mg/L	<0.0041	.5	.5	0.49	0.50	99	99	68-136	1	20	
1,2-Dichloroethane	mg/L	<0.0017	.5	.5	0.52	0.52	103	104	70-130	1	20	
2-Butanone (MEK)	mg/L	<0.030			<0.030	<0.030					20	
Benzene	mg/L	<0.0050	.5	.5	0.50	0.51	100	103	57-138	3	20	
Carbon tetrachloride	mg/L	<0.0050	.5	.5	0.56	0.58	113	117	70-138	3	20	
Chlorobenzene	mg/L	<0.0050	.5	.5	0.48	0.49	97	98	70-130	2	20	
Chloroform	mg/L	<0.025	.5	.5	0.49	0.51	99	101	70-130	3	20	
Tetrachloroethene	mg/L	0.50	.5	.5	0.97	0.98	95	95	70-148	0	20	
Trichloroethene	mg/L	0.0077J	.5	.5	0.50	0.49	98	97	70-131	1	20	
Vinyl chloride	mg/L	<0.0018	.5	.5	0.47	0.48	94	96	49-133	2	20	
4-Bromofluorobenzene (S)	%						96	97	70-130			
Dibromofluoromethane (S)	%						107	109	70-130			
Toluene-d8 (S)	%						92	93	70-130			

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

QC Batch: 247058 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40144781001, 40144781002, 40144781003, 40144781004, 40144781005, 40144781006, 40144781007

SAMPLE DUPLICATE: 1460312

Parameter	Units	40144781007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.0	16.3	2	10	

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QUALITY CONTROL DATA

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

QC Batch: 247067 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40144781008, 40144781009, 40144781010, 40144781011, 40144781012, 40144781013, 40144781014, 40144781015, 40144781016

SAMPLE DUPLICATE: 1460329

Parameter	Units	40144781010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.0	18.7	4	10	

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QUALIFIERS

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

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.

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TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

SAMPLE QUALIFIERS

Sample: 40144781001

[1] Sample container used for ZHE had headspace

Sample: 40144781009

[1] Sample container used for ZHE had headspace

ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 15-1209 MASTER CLEANERS
Pace Project No.: 40144781

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40144781001	B-104 4-5'	EPA 5035/5030B	246948	EPA 8260	246949
40144781002	B-104 8-10'	EPA 5035/5030B	246948	EPA 8260	246949
40144781003	B-105 4-5'	EPA 5035/5030B	246948	EPA 8260	246949
40144781004	B-105 8-10'	EPA 5035/5030B	246948	EPA 8260	246949
40144781005	B-106 3-4'	EPA 5035/5030B	246948	EPA 8260	246949
40144781006	B-106 5-6'	EPA 5035/5030B	246948	EPA 8260	246949
40144781007	B-106 8-10'	EPA 5035/5030B	246948	EPA 8260	246949
40144781008	B-107 3-4'	EPA 5035/5030B	246948	EPA 8260	246949
40144781009	B-107 5-6'	EPA 5035/5030B	246948	EPA 8260	246949
40144781010	B-107 8-10'	EPA 5035/5030B	246948	EPA 8260	246949
40144781011	B-108 3-4'	EPA 5035/5030B	246948	EPA 8260	246949
40144781012	B-108 5-6'	EPA 5035/5030B	246948	EPA 8260	246949
40144781013	B-108 8-10'	EPA 5035/5030B	246948	EPA 8260	246949
40144781014	B-109 3-4'	EPA 5035/5030B	246948	EPA 8260	246949
40144781015	B-109 5-6'	EPA 5035/5030B	247073	EPA 8260	247074
40144781016	B-109 8-10'	EPA 5035/5030B	247073	EPA 8260	247074
40144781017	METH BLANK	EPA 5035/5030B	247217	EPA 8260	247225
40144781001	B-104 4-5'	EPA 8260	247078		
40144781009	B-107 5-6'	EPA 8260	247078		
40144781001	B-104 4-5'	ASTM D2974-87	247058		
40144781002	B-104 8-10'	ASTM D2974-87	247058		
40144781003	B-105 4-5'	ASTM D2974-87	247058		
40144781004	B-105 8-10'	ASTM D2974-87	247058		
40144781005	B-106 3-4'	ASTM D2974-87	247058		
40144781006	B-106 5-6'	ASTM D2974-87	247058		
40144781007	B-106 8-10'	ASTM D2974-87	247058		
40144781008	B-107 3-4'	ASTM D2974-87	247067		
40144781009	B-107 5-6'	ASTM D2974-87	247067		
40144781010	B-107 8-10'	ASTM D2974-87	247067		
40144781011	B-108 3-4'	ASTM D2974-87	247067		
40144781012	B-108 5-6'	ASTM D2974-87	247067		
40144781013	B-108 8-10'	ASTM D2974-87	247067		
40144781014	B-109 3-4'	ASTM D2974-87	247067		
40144781015	B-109 5-6'	ASTM D2974-87	247067		
40144781016	B-109 8-10'	ASTM D2974-87	247067		

DERF

Pace Analytical
www.pacelabs.com

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

SKW

40144781

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

(Please Print Clearly)	
Company Name:	Fehr Graham
Branch/Location:	Plymouth, WI
Project Contact:	Ken Ebbott
Phone:	(120) 892-2444
Project Number:	15-1209
Project Name:	Master Cleaners
Project State:	WI
Sampled By (Print):	Dillon Plamann
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Ken Ebbott
Mail To Company:	Fehr Graham
Mail To Address:	Email
Invoice To Contact:	As Above
Invoice To Company:	As Above
Invoice To Address:	As Above
Invoice To Phone:	

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, SI = Sludge, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					VOC N	TCLP VOC N			
						F A			
001	B-104 4-5'	1-20-17	1015	S	X	X	1-40mlV^F	1-40zpA 1-40zagA^	
002	B-104 8-10'		1020		X				
003	B-105 4-5'		948		X				
004	B-105 8-10'		953		X				
005	B-106 3-4'		1054		X				
006	B-106 5-6'		1105		X				
007	B-106 8-10'		1110		X				
008	B-107 3-4'		1120		X				
009	B-107 5-6'		1123		X	X		1-40zagA^	
010	B-107 8-10'		1128		X				
011	B-108 3-4'		1141		X				
012	B-108 5-6'		1147		X				
013	B-108 8-10'		1152		X				

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:	Date/Time:	Received By:	Date/Time:
	1-25-17 1330		1/23/17 1330

PACE Project No.
40144781

Receipt Temp = K01 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

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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

(Please Print Clearly)	
Company Name:	
Branch/Location:	
Project Contact:	Same as 1
Phone:	
Project Number:	
Project Name:	
Project State:	Page
Sampled By (Print):	
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	GS
Mail To Company:	
Mail To Address:	Same page 1
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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, SI = Sludge, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: FILTERED? (YES/NO) Y/N	Analyses Requested: PRESERVATION (CODE)* Pick Letter	Analyses Requested: 1,2,3	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
014	B-104 3-4'	1-20-17	1205	S	N	F	X	1-40ml VF	1-4oz P	
015	B-104 5-6'	↓	1207	↓			X			
016	B-104 8-10'	↓	1215	↓			X			
017	Meth Blank						X			

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By:	Date/Time:	Received By:	Date/Time:	PACE Project No.
		1-23-17 1330		1-23-17 1330	40144781
Transmit Prelim Rush Results by (complete what you want):	Relinquished By:	Date/Time:	Received By:	Date/Time:	Receipt Temp = RC1 °C
Email #1:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Sample Receipt pH OK / Adjusted
Email #2:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Cooler Custody Seal Present / Not Present Intact / Not Intact
Telephone:	Relinquished By:	Date/Time:	Received By:	Date/Time:	
Fax:					
Samples on HOLD are subject to special pricing and release of liability					

Version 6.0 06/14/08

C019a(27Jun2006)

ORIGINAL

Sample Condition Upon Receipt

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

Pace Analytical™

Project # WO#: 40144781

40144781

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: 1.0 /Corr: _____ **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Person examining contents:
Date: 1/23/17
Initials: _____

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

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes	☐No		Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
-Pace IR Containers Used:	☐Yes	☐No	☑N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☐Yes	☒No	☐N/A	12. no collect date/time on polys 1/23/17 rz
-Includes date/time/ID/Analysis Matrix: S				
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes	☐No	☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes	☑No		Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	14.
Trip Blank Present:	☑Yes	☐No	☐N/A	15. MEOH BLANK 1/23/17 SU
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased): B161000 1VB				

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

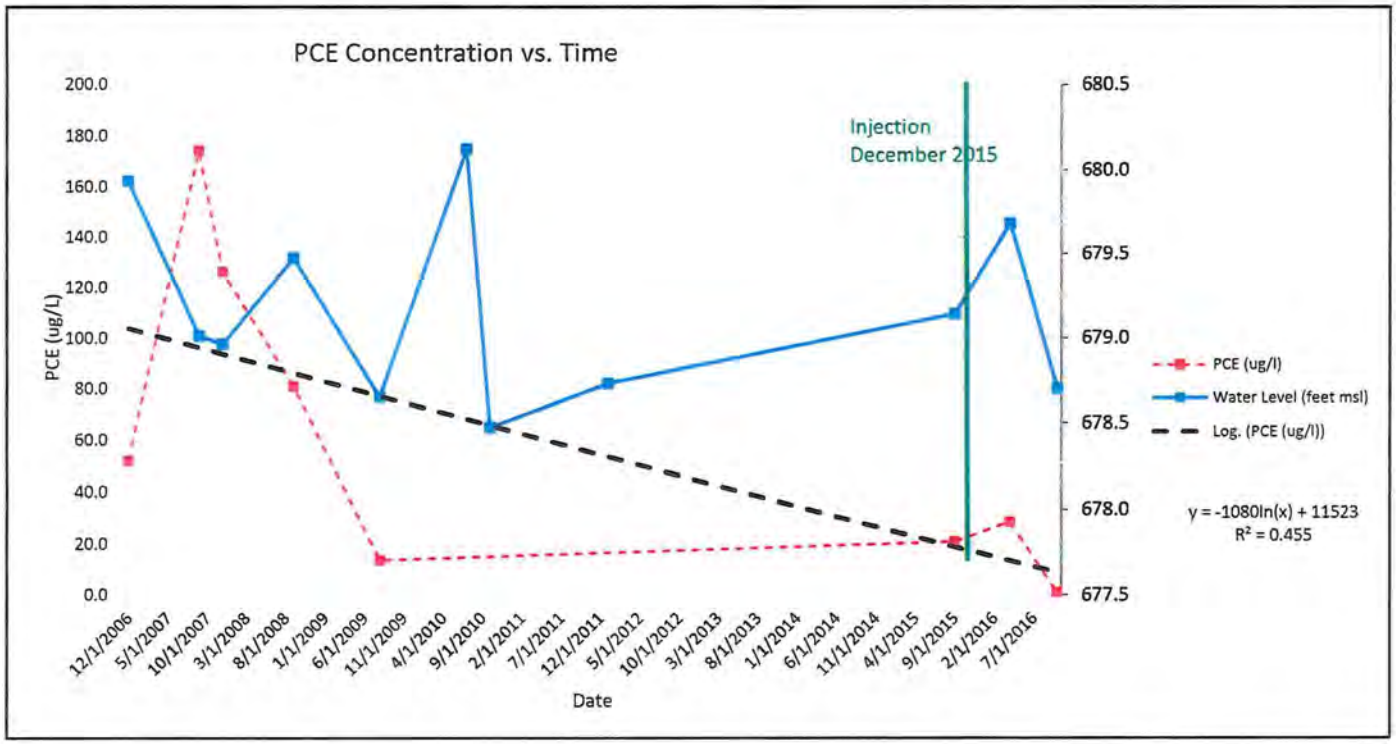
Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 1-23-17

Groundwater monitoring data

SMW 3

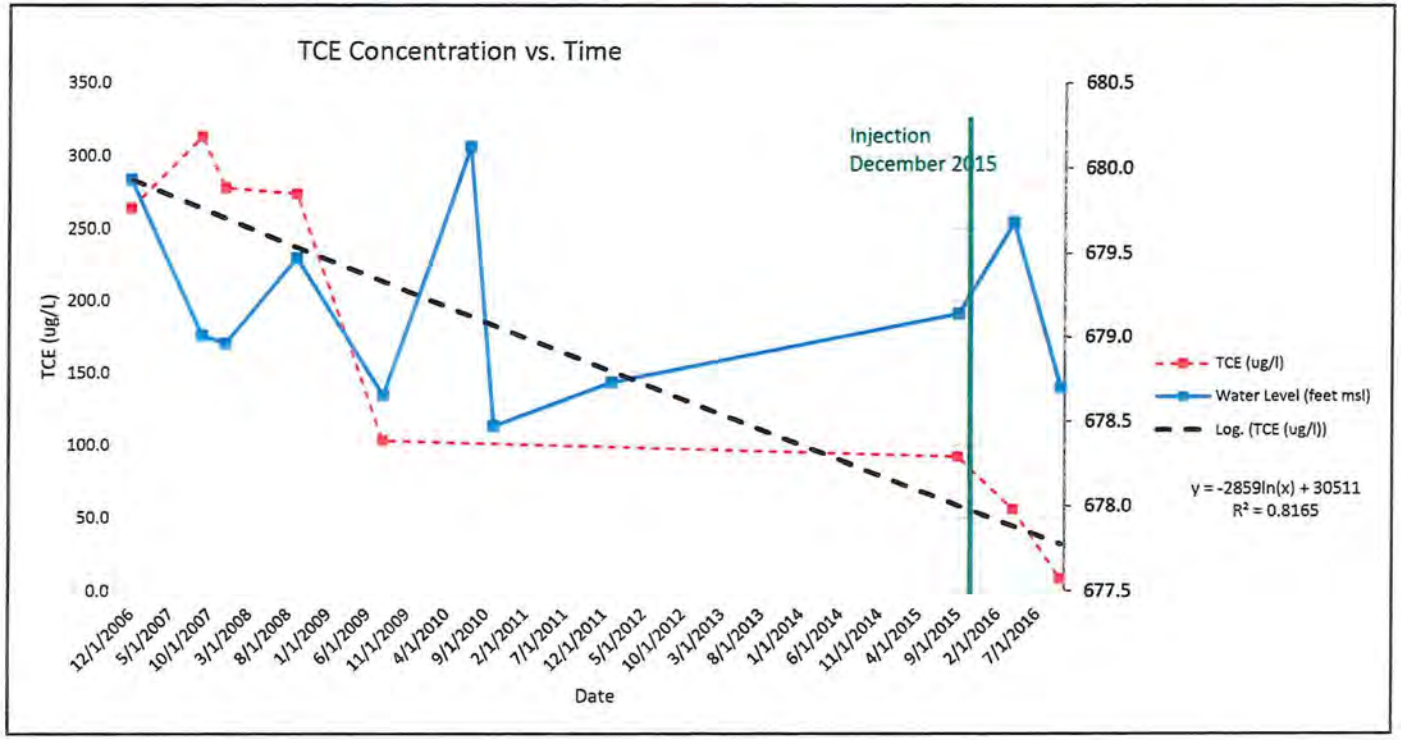
Sampling Dates	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	07/01/10	10/29/10	01/10/12	09/30/15	04/25/16	10/14/16
PCE (ug/l)	52.0	174.0	126.0	81.0	13.6	--	--	--	21.0	28.7	1.1
Water Level (feet msl)	679.9	679.0	679.0	679.5	678.7	680.1	678.5	678.7	679.1	679.7	678.7



Groundwater monitoring data

SMW *3*

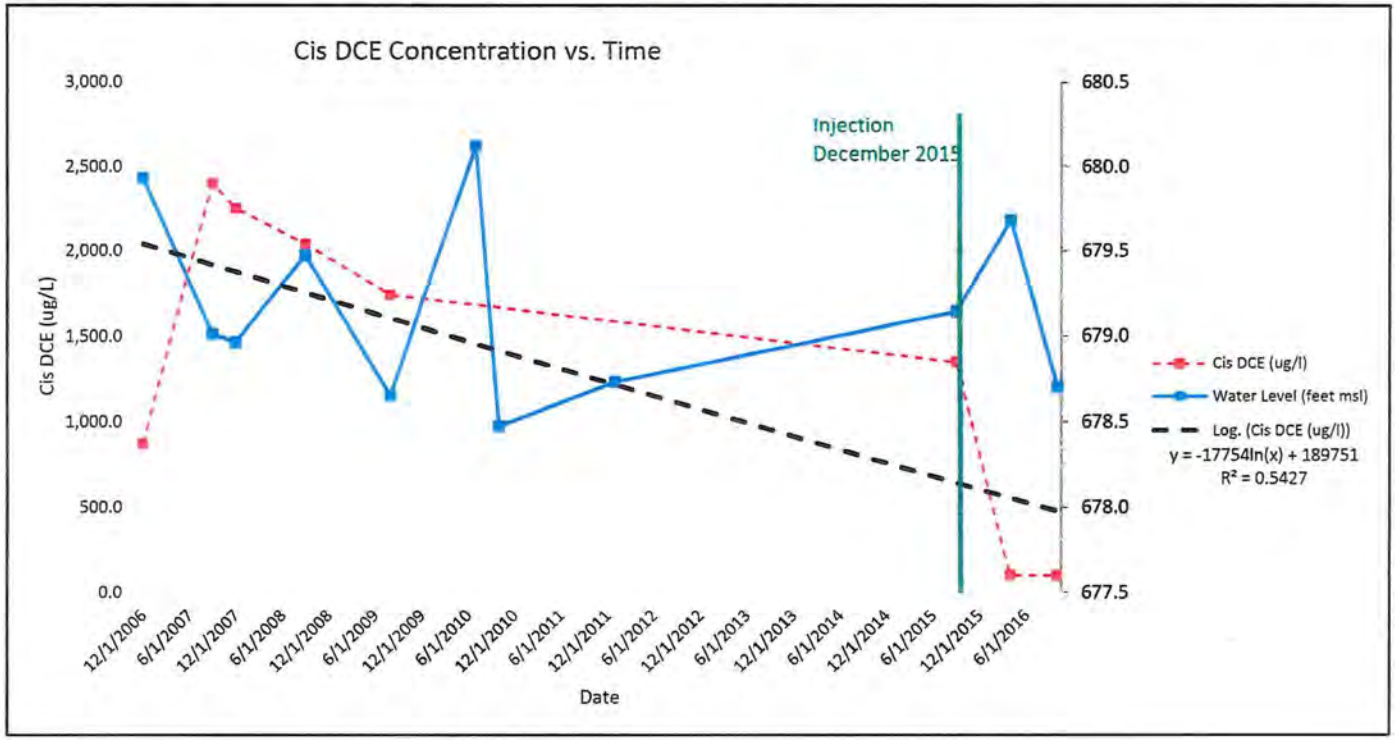
Sampling Dates	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	07/01/10	10/29/10	01/10/12	09/30/15	04/25/16	10/14/16
TCE (ug/l)	*264.0*	*313.0*	*278.0*	*274.0*	*103.0*	--	--	--	*92.2*	*56.2*	*8.3*
Water Level (feet msl)	*679.9*	*679.0*	*679.0*	*679.5*	*678.7*	*680.1*	*678.5*	*678.7*	*679.1*	*679.7*	*678.7*



Groundwater monitoring data

SMW 3

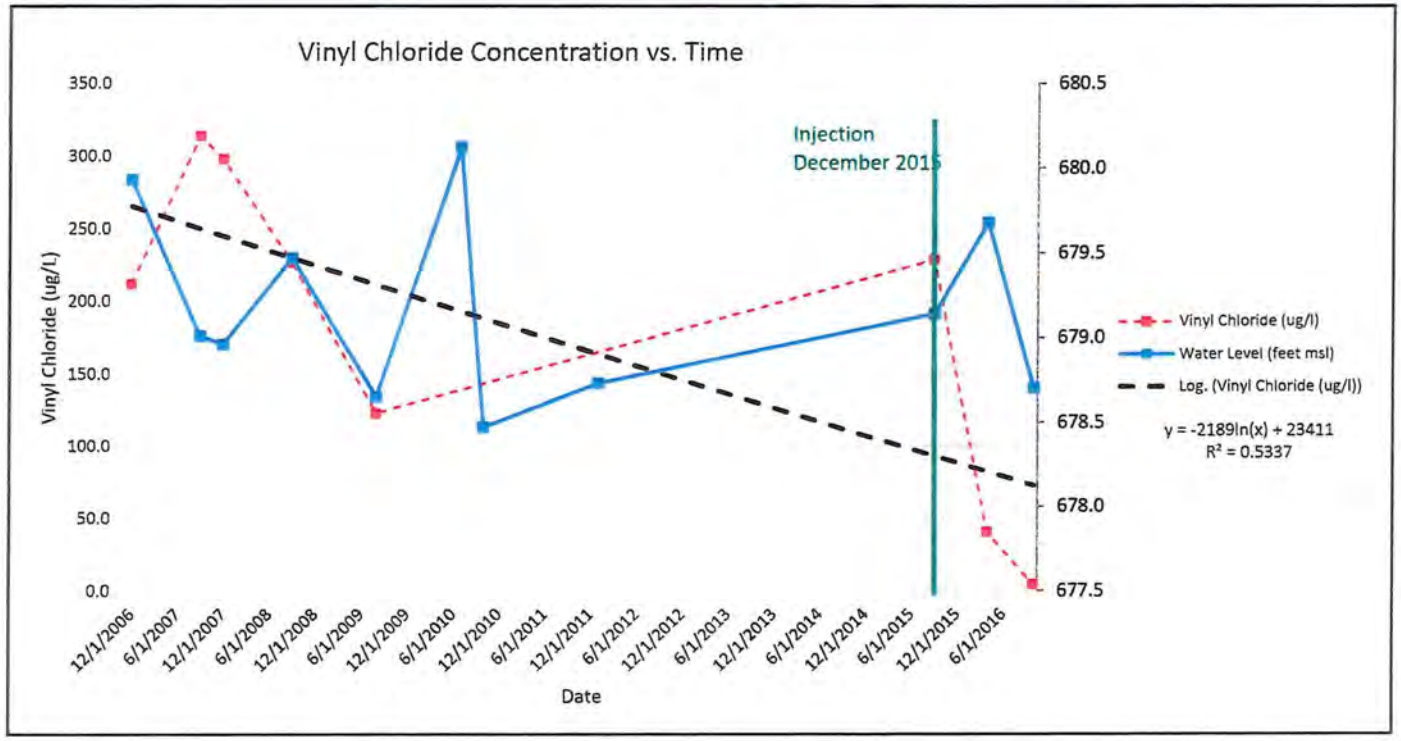
Sampling Dates	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	07/01/10	10/29/10	01/10/12	09/30/15	04/25/16	10/14/16
Cis DCE (ug/l)	870.0	2,400.0	2,250.0	2,040.0	1,740.0	--	--	--	1,350.0	105.0	102.0
Water Level (feet msl)	679.9	679.0	679.0	679.5	678.7	680.1	678.5	678.7	679.1	679.7	678.7



Groundwater monitoring data

SMW *3*

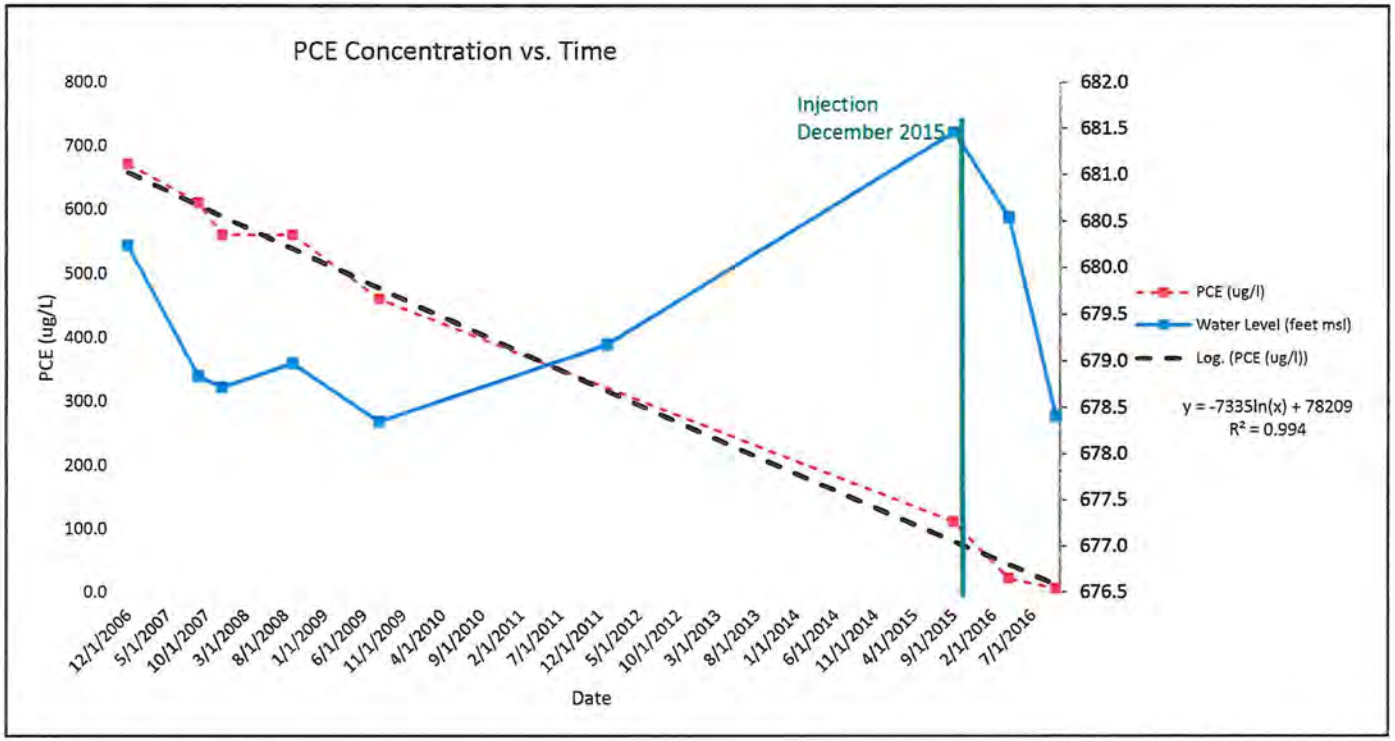
Sampling Dates	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	07/01/10	10/29/10	01/10/12	09/30/15	04/25/16	10/14/16
Vinyl Chloride (ug/l)	*212.0*	*314.0*	*298.0*	*227.0*	*123.0*	--	--	--	*229.0*	*40.9*	*4.6*
Water Level (feet msl)	*679.9*	*679.0*	*679.0*	*679.5*	*678.7*	*680.1*	*678.5*	*678.7*	*679.1*	*679.7*	*678.7*



Groundwater monitoring data

SMW 4

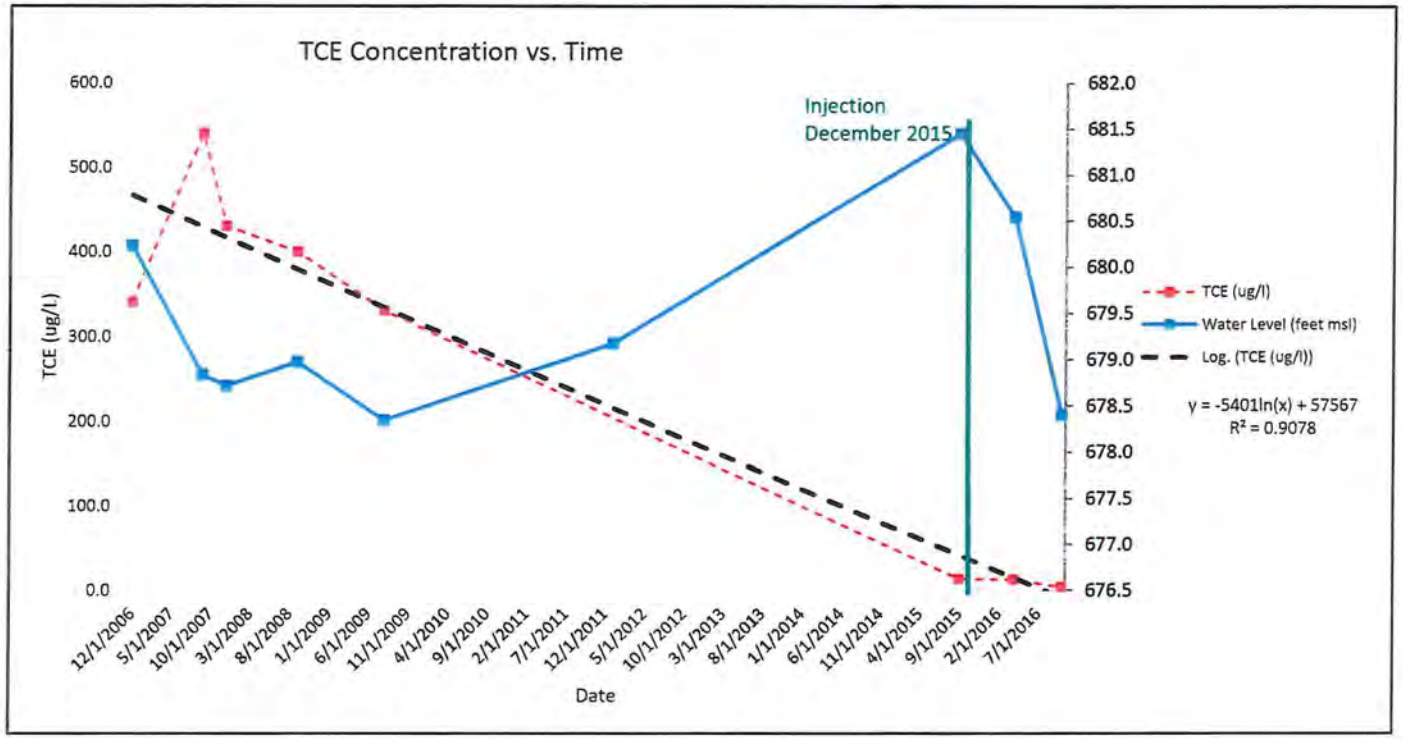
Sampling Dates	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	04/26/16	10/14/16
PCE (ug/l)	670.0	610.0	560.0	560.0	460.0	--	112.0	21.9	6.3
Water Level (feet msl)	680.2	678.8	678.7	679.0	678.3	679.2	681.5	680.5	678.4



Groundwater monitoring data

SMW 4

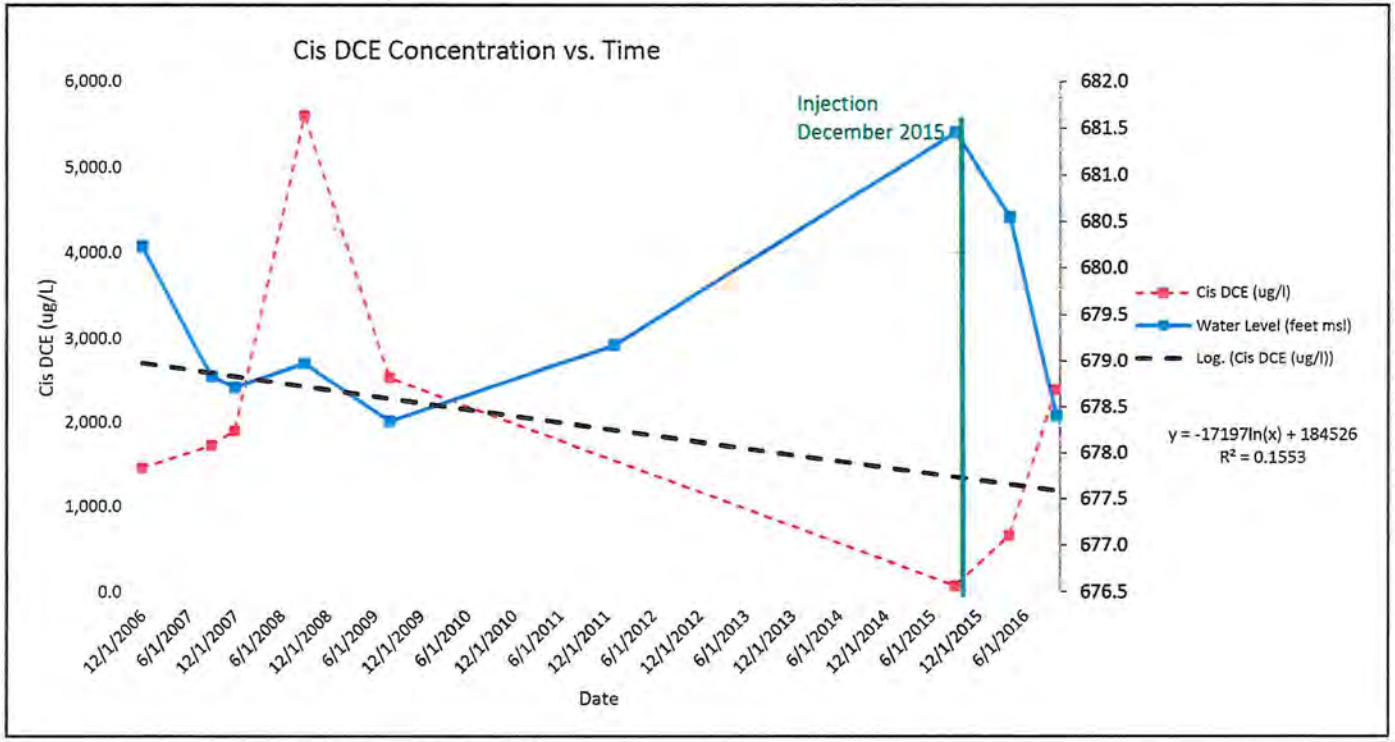
Sampling Dates	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	04/26/16	10/14/16
TCE (ug/l)	340.0	540.0	430.0	400.0	330.0	--	14.1	13.0	4.2
Water Level (feet msl)	680.2	678.8	678.7	679.0	678.3	679.2	681.5	680.5	678.4



Groundwater monitoring data

SMW 4

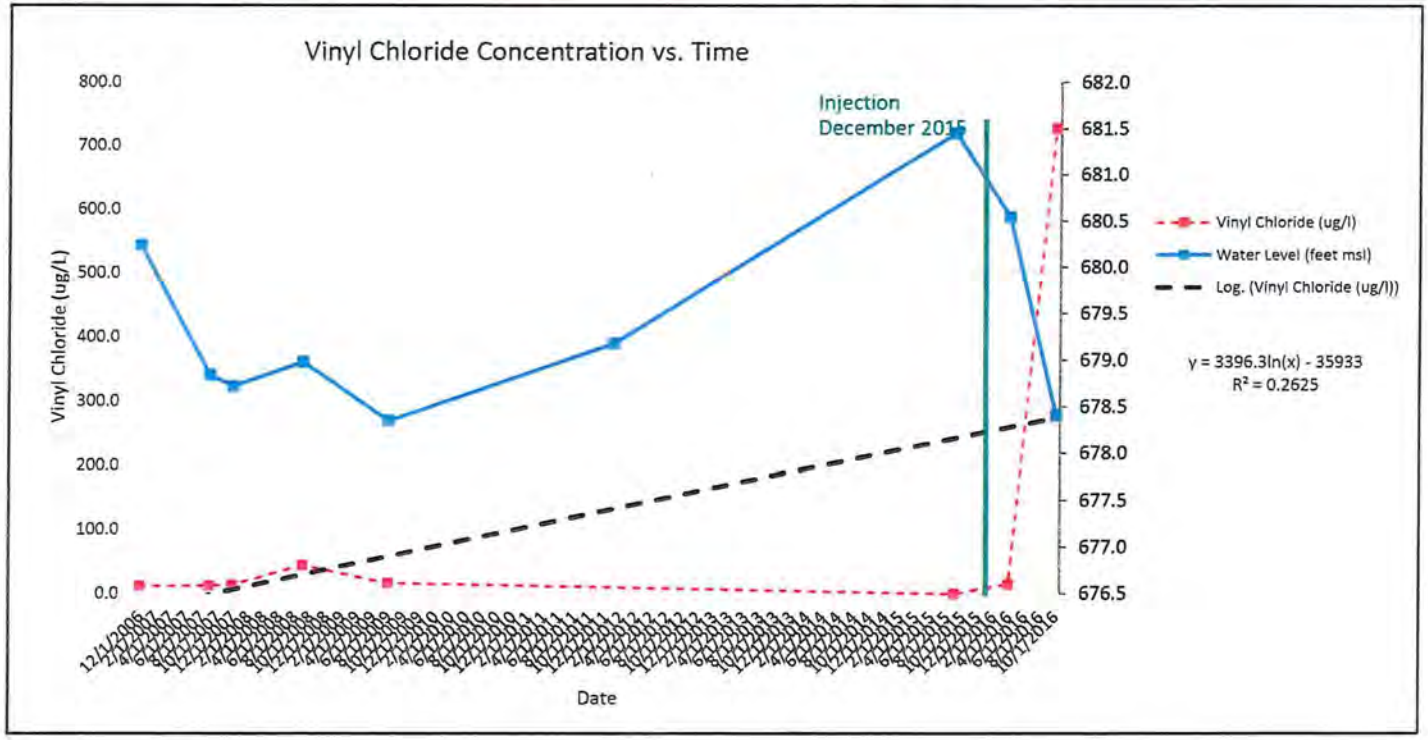
Sampling Dates	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	04/26/16	10/14/16
Cis DCE (ug/l)	*1,460.0*	*1,730.0*	*1,900.0*	*5,600.0*	*2,530.0*	--	*70.6*	*658.0*	*2,390.0*
Water Level (feet msl)	*680.2*	*678.8*	*678.7*	*679.0*	*678.3*	*679.2*	*681.5*	*680.5*	*678.4*



Groundwater monitoring data

SMW 4

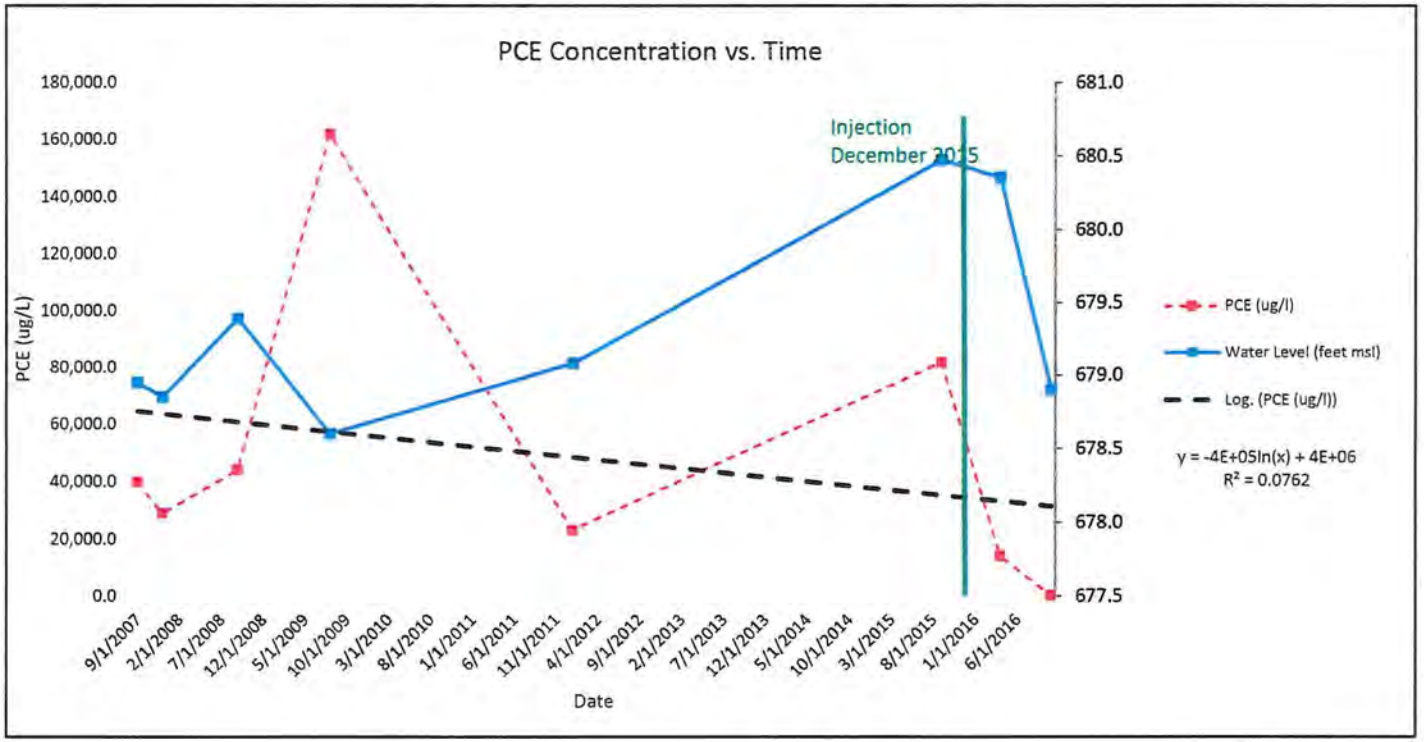
Sampling Dates	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	04/26/16	10/14/16
Vinyl Chloride (ug/l)	11.5	11.8	13.4	44.0	16.0	—	0.1	15.3	728.0
Water Level (feet msl)	680.2	678.8	678.7	679.0	678.3	679.2	681.5	680.5	678.4



Groundwater monitoring data

SMW 9

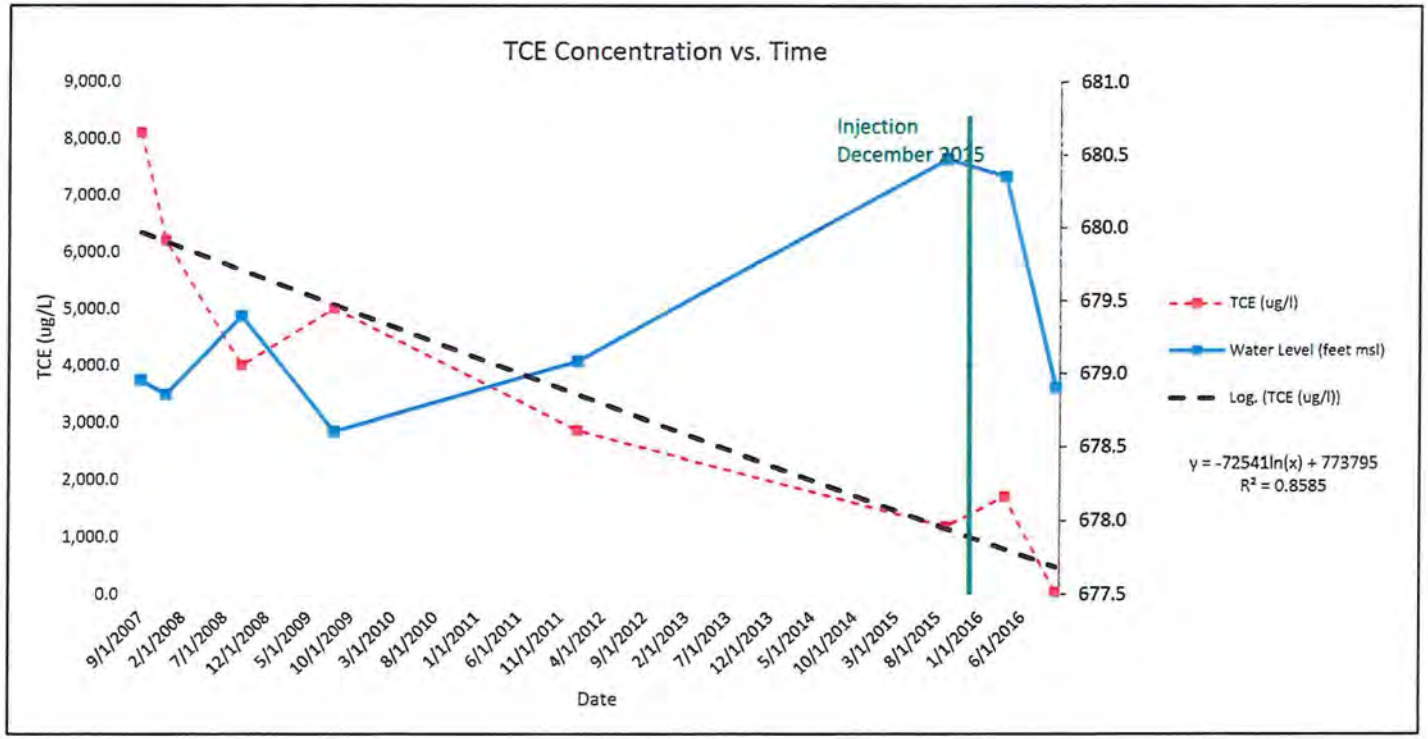
Sampling Dates	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	04/26/16	10/14/16
PCE (ug/l)	*39,800.0*	*28,800.0*	*44,000.0*	*162,000.0*	*23,000.0*	*81,800.0*	*14,100.0*	*369.0*
Water Level (feet msl)	*679.0*	*678.9*	*679.4*	*678.6*	*679.1*	*680.5*	*680.4*	*678.9*



Groundwater monitoring data

SMW *9*

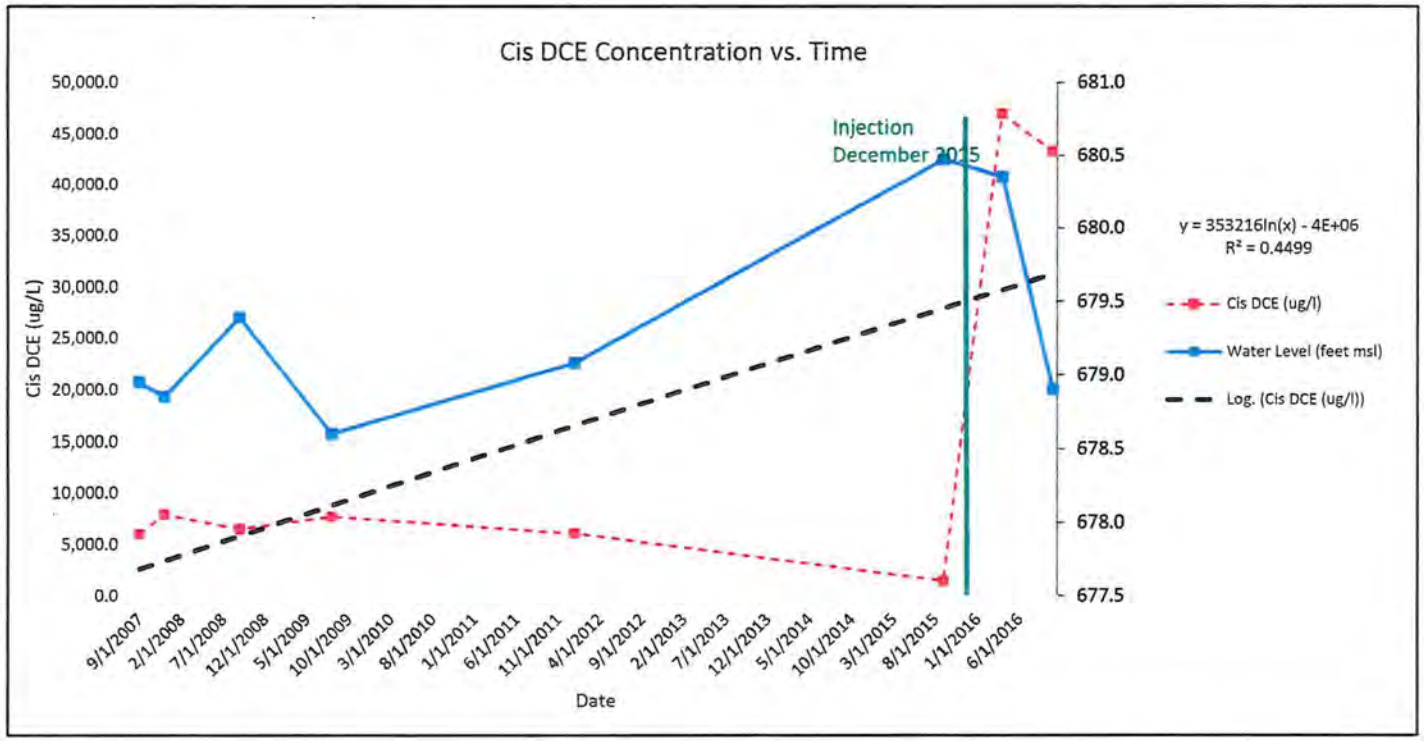
Sampling Dates	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	04/26/16	10/14/16
TCE (ug/l)	*8,100.0*	*6,200.0*	*4,000.0*	*5,000.0*	*2,860.0*	*1,190.0*	*1,710.0*	*41.4*
Water Level (feet msl)	*679.0*	*678.9*	*679.4*	*678.6*	*679.1*	*680.5*	*680.4*	*678.9*



Groundwater monitoring data

SMW *9*

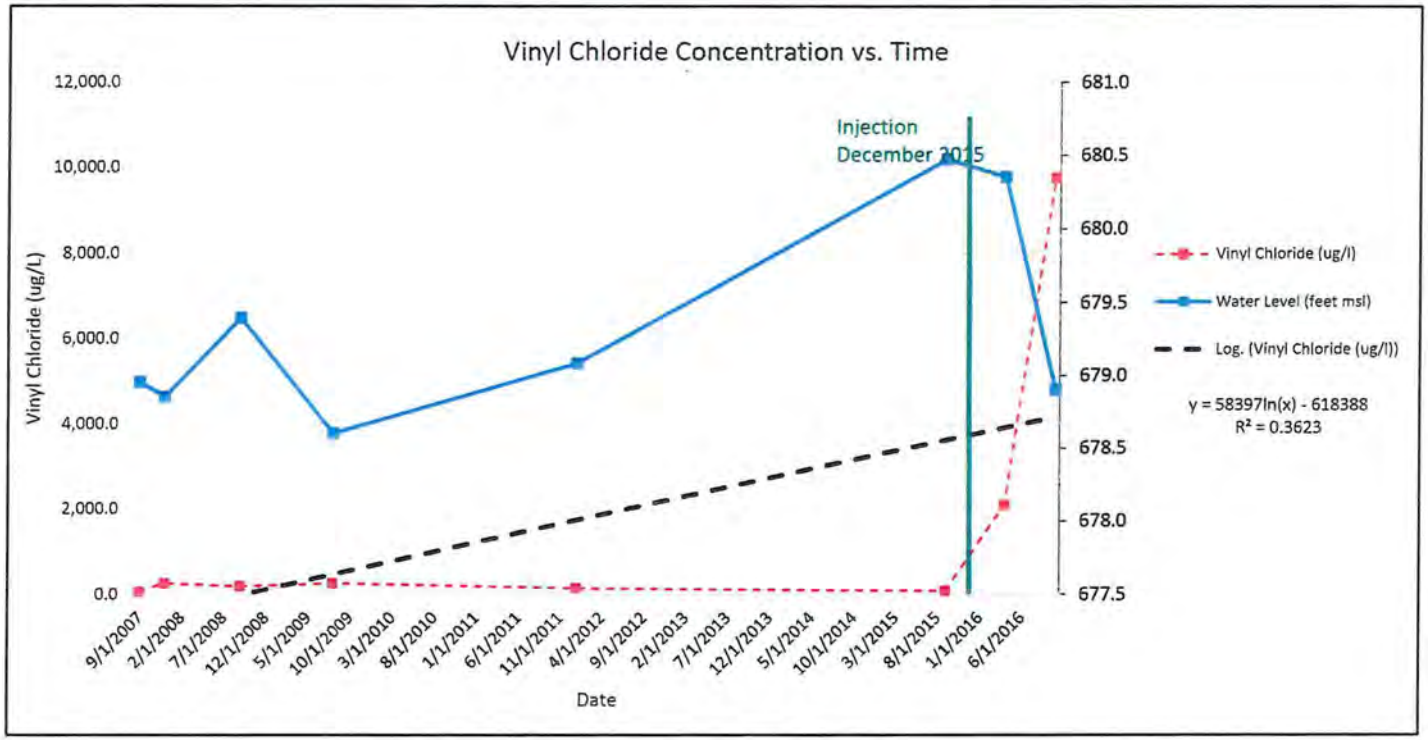
Sampling Dates	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	04/26/16	10/14/16
Cis DCE (ug/l)	*6,000.0*	*7,900.0*	*6,500.0*	*7,700.0*	*6,100.0*	*1,480.0*	*47,000.0*	*43,300.0*
Water Level (feet msl)	*679.0*	*678.9*	*679.4*	*678.6*	*679.1*	*680.5*	*680.4*	*678.9*



Groundwater monitoring data

SMW 9

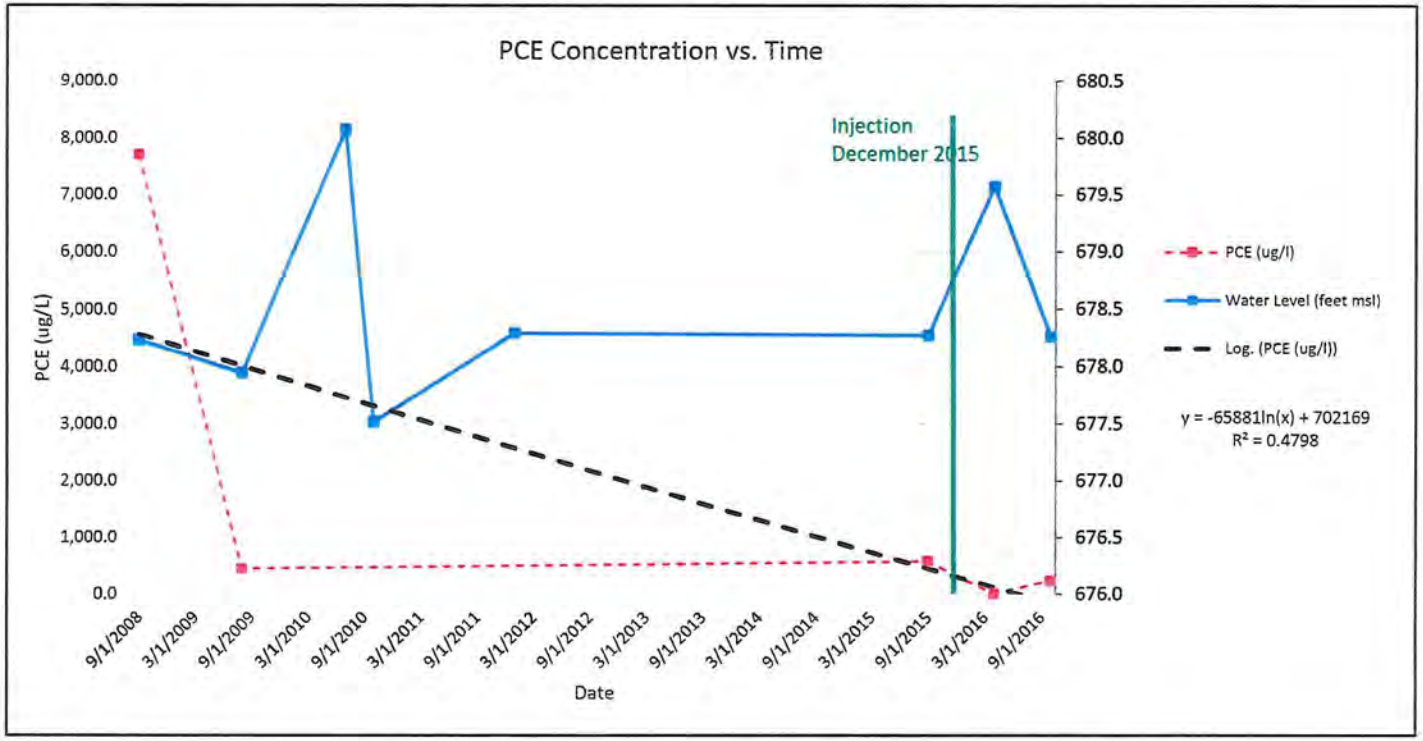
Sampling Dates	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	04/26/16	10/14/16
Vinyl Chloride (ug/l)	58.0	255.0	185.0	258.0	146.0	88.0	2,110.0	9,770.0
Water Level (feet msl)	679.0	678.9	679.4	678.6	679.1	680.5	680.4	678.9



Groundwater monitoring data

SMW *10*

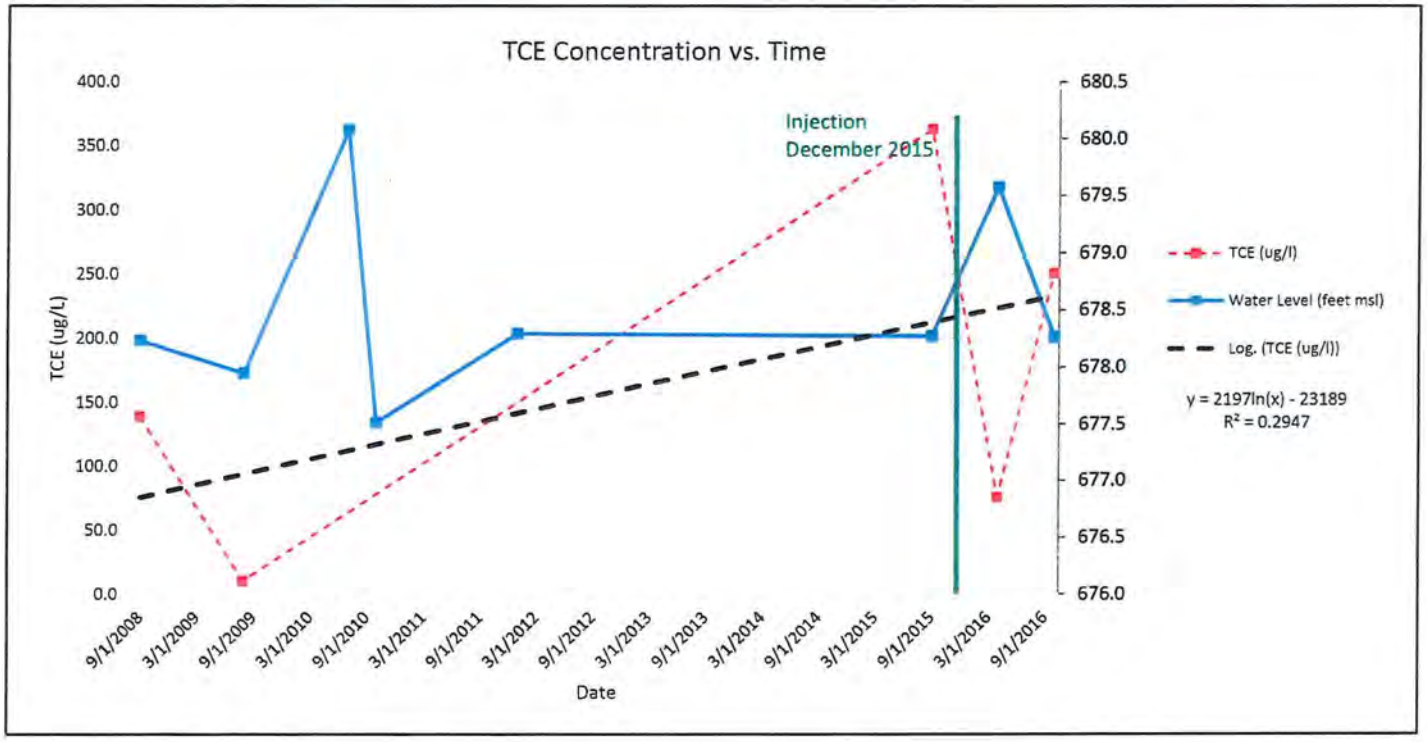
Sampling Dates	09/09/08	08/18/09	07/01/10	10/29/10	01/10/12	09/30/15	04/26/16	10/14/16
PCE (ug/l)	*7,700.0*	*440.0*	--	--	--	*583.0*	*1.0*	*242.0*
Water Level (feet msl)	*678.2*	*677.9*	*680.1*	*677.5*	*678.3*	*678.3*	*679.6*	*678.3*



Groundwater monitoring data

SMW *10*

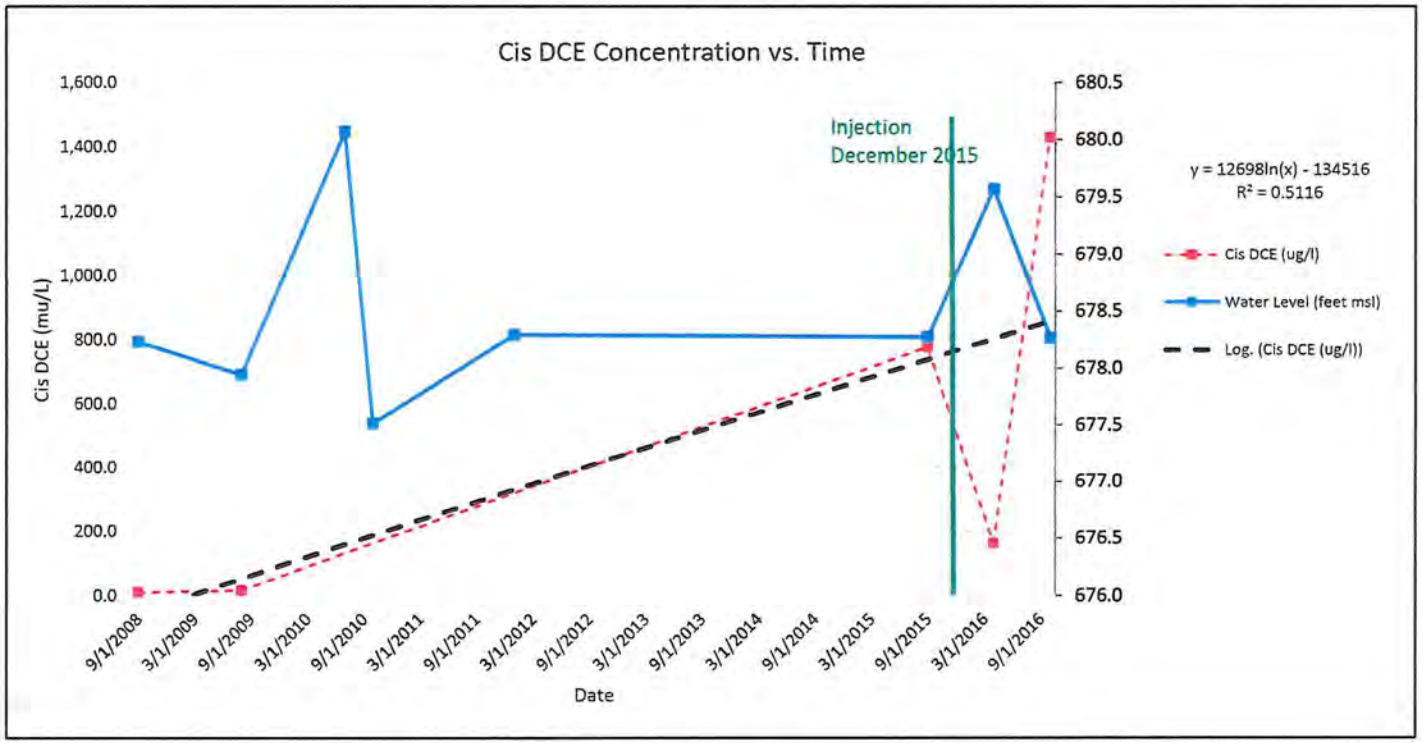
Sampling Dates	09/09/08	08/18/09	07/01/10	10/29/10	01/10/12	09/30/15	04/26/16	10/14/16
TCE (ug/l)	*139.0*	*9.8*	--	--	--	*363.0*	*75.7*	*251.0*
Water Level (feet msl)	*678.2*	*677.9*	*680.1*	*677.5*	*678.3*	*678.3*	*679.6*	*678.3*



Groundwater monitoring data

SMW *10*

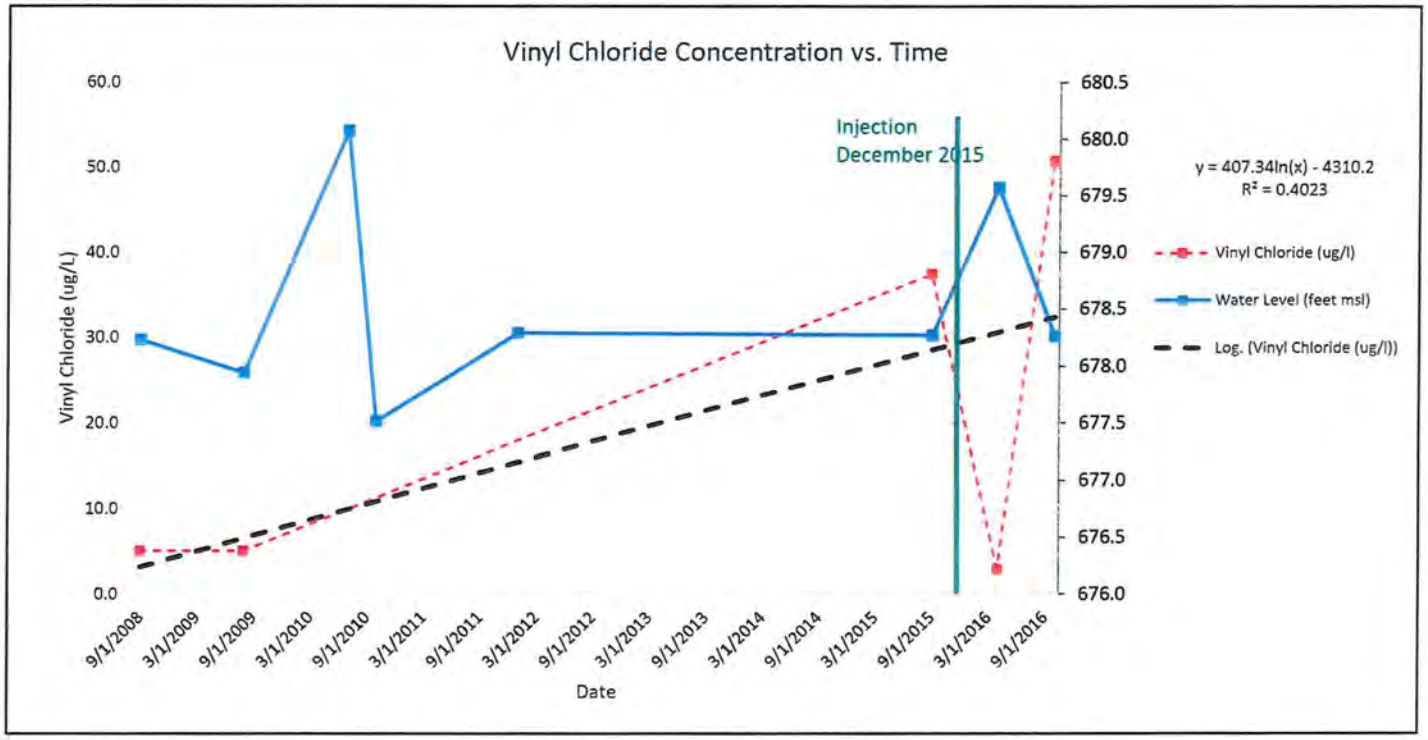
Sampling Dates	09/09/08	08/18/09	07/01/10	10/29/10	01/10/12	09/30/15	04/26/16	10/14/16
Cis DCE (ug/l)	*11.0*	*17.0*	--	--	--	*777.0*	*162.0*	*1,430.0*
Water Level (feet msl)	*678.2*	*677.9*	*680.1*	*677.5*	*678.3*	*678.3*	*679.6*	*678.3*



Groundwater monitoring data

SMW *10*

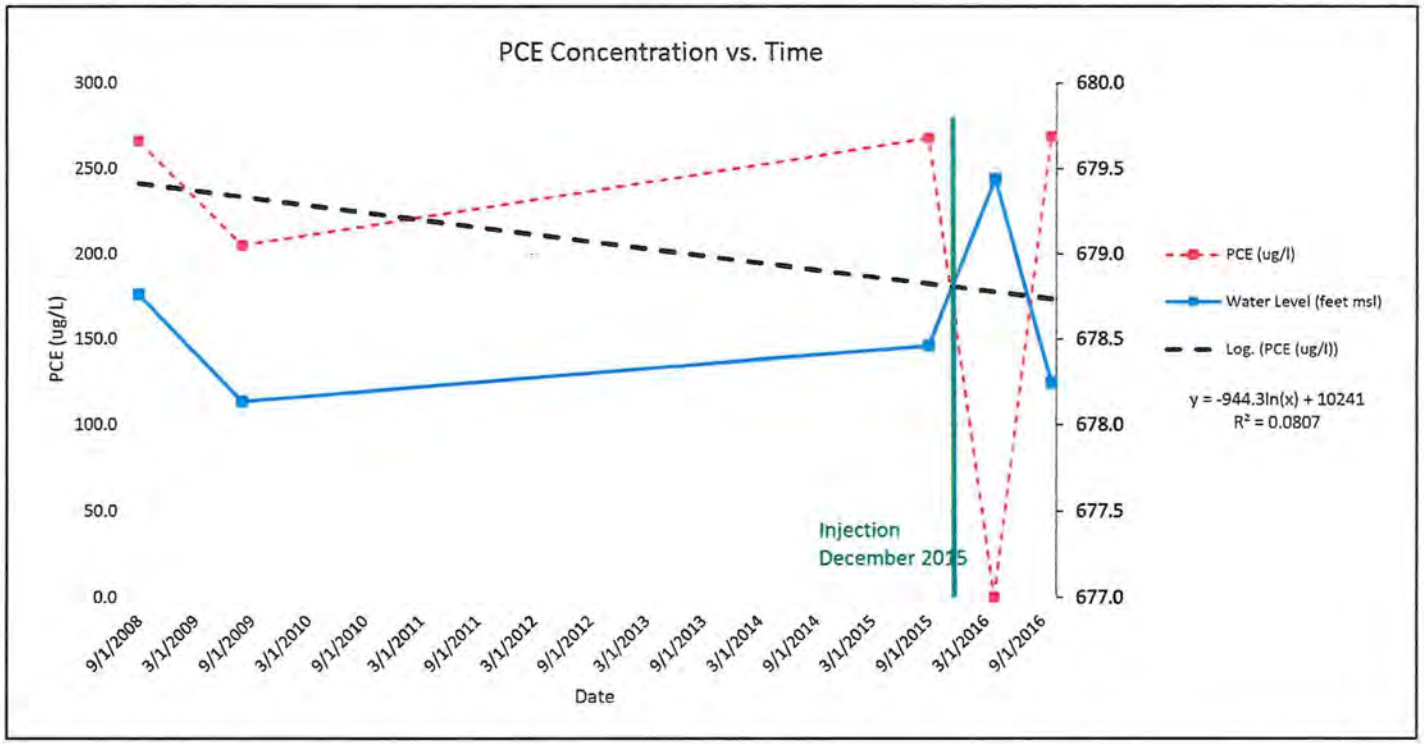
Sampling Dates	09/09/08	08/18/09	07/01/10	10/29/10	01/10/12	09/30/15	04/26/16	10/14/16
Vinyl Chloride (ug/l)	*5.0*	*5.0*	–	–	–	*37.5*	*2.9*	*50.8*
Water Level (feet msl)	*678.2*	*677.9*	*680.1*	*677.5*	*678.3*	*678.3*	*679.6*	*678.3*



Groundwater monitoring data

SMW *11*

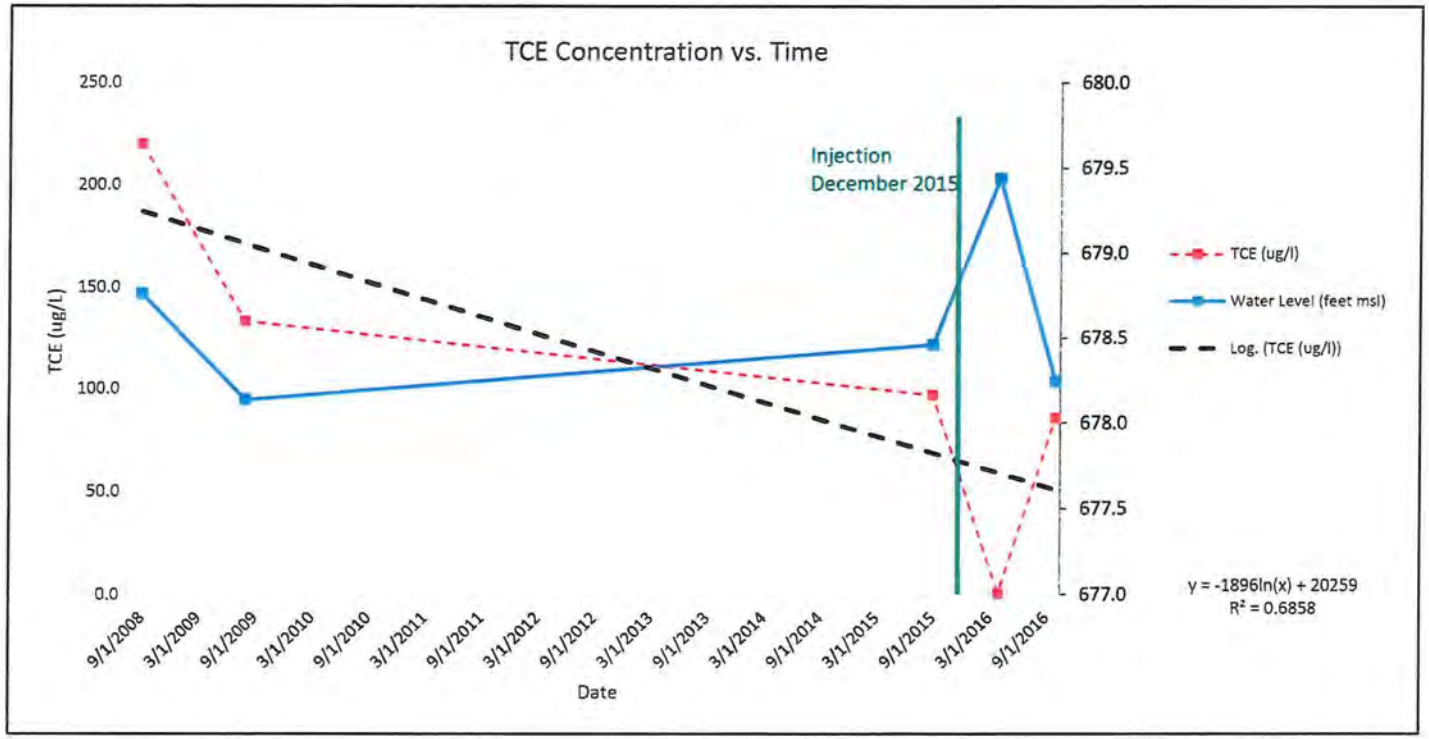
Sampling Dates	09/09/08	08/18/09	09/30/15	04/26/16	10/14/16
PCE (ug/l)	*266.0*	*205.0*	*268.0*	*0.6*	*269.0*
Water Level (feet msl)	*678.8*	*678.1*	*678.5*	*679.4*	*678.2*



Groundwater monitoring data

SMW *11*

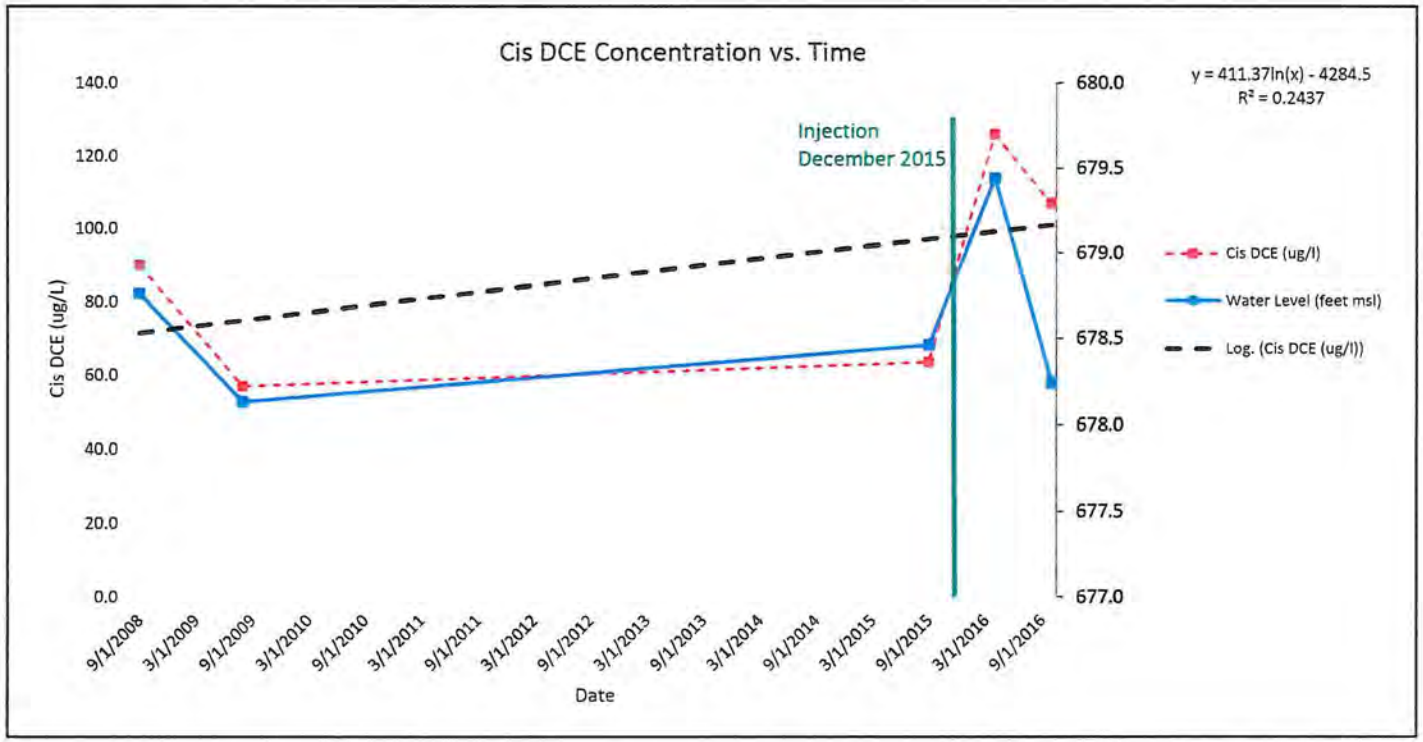
Sampling Dates	09/09/08	08/18/09	09/30/15	04/26/16	10/14/16
TCE (ug/l)	*220.0*	*133.0*	*96.8*	*0.4*	*85.5*
Water Level (feet msl)	*678.8*	*678.1*	*678.5*	*679.4*	*678.2*



Groundwater monitoring data

SMW *11*

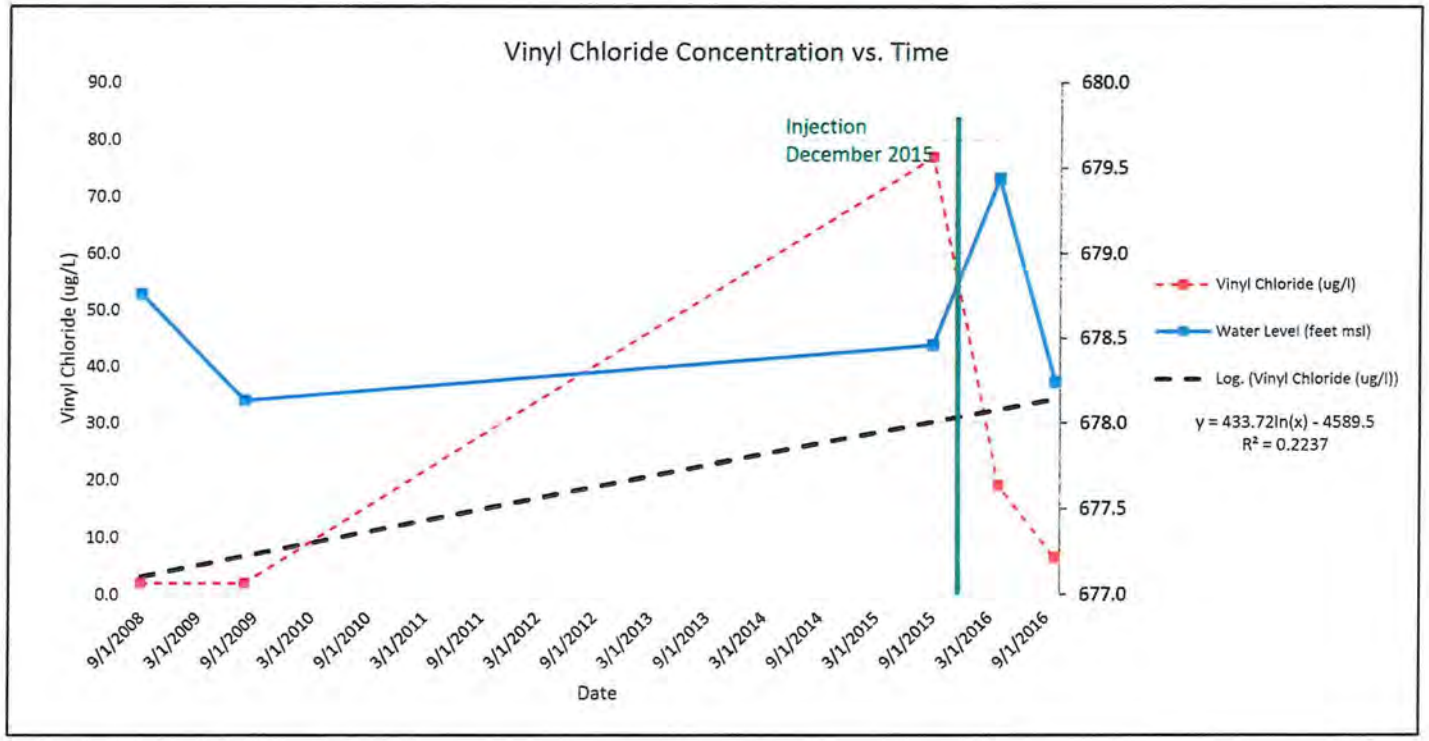
Sampling Dates	09/09/08	08/18/09	09/30/15	04/26/16	10/14/16
Cis DCE (ug/l)	*90.0*	*57.0*	*63.6*	*126.0*	*107.0*
Water Level (feet msl)	*678.8*	*678.1*	*678.5*	*679.4*	*678.2*



Groundwater monitoring data

SMW *11*

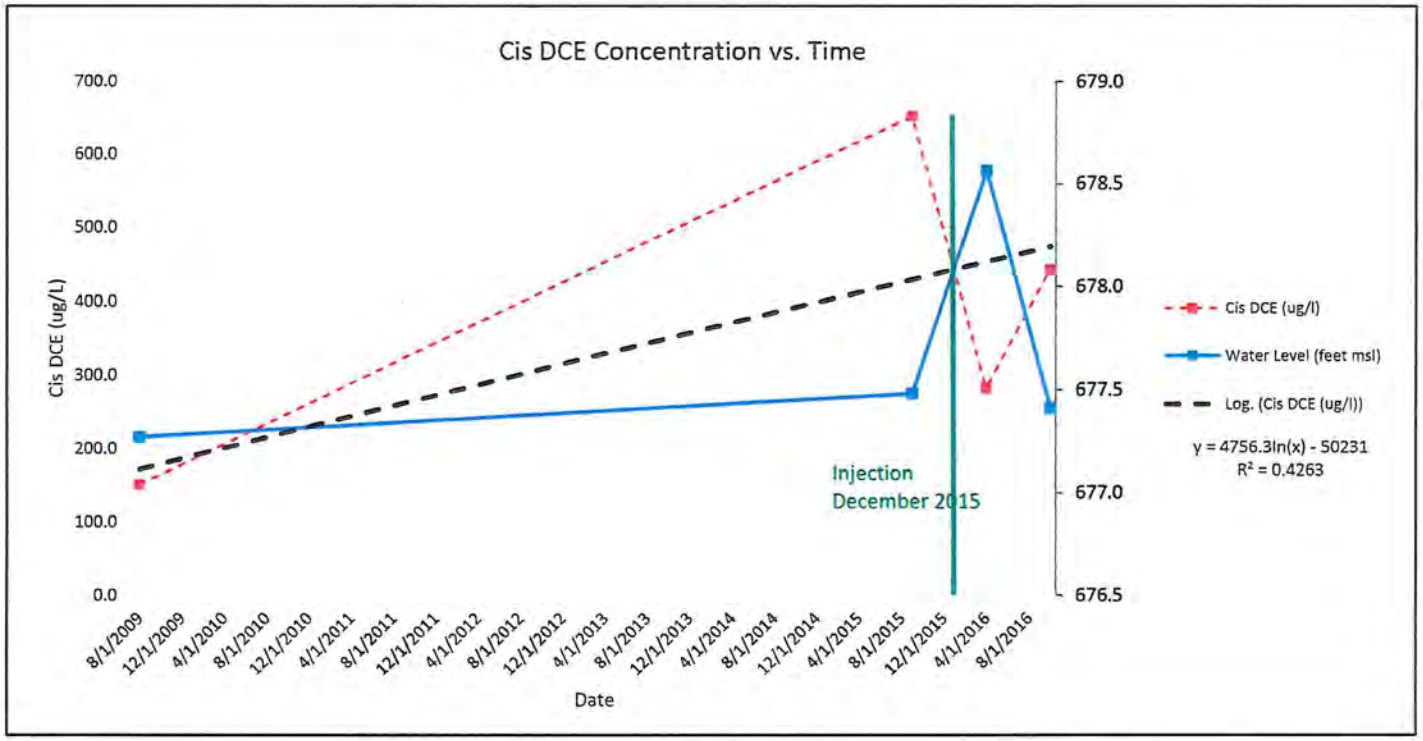
Sampling Dates	09/09/08	08/18/09	09/30/15	04/26/16	10/14/16
Vinyl Chloride (ug/l)	*2.0*	*2.0*	*77.0*	*19.1*	*6.5*
Water Level (feet msl)	*678.8*	*678.1*	*678.5*	*679.4*	*678.2*



Groundwater monitoring data

SMW *14*

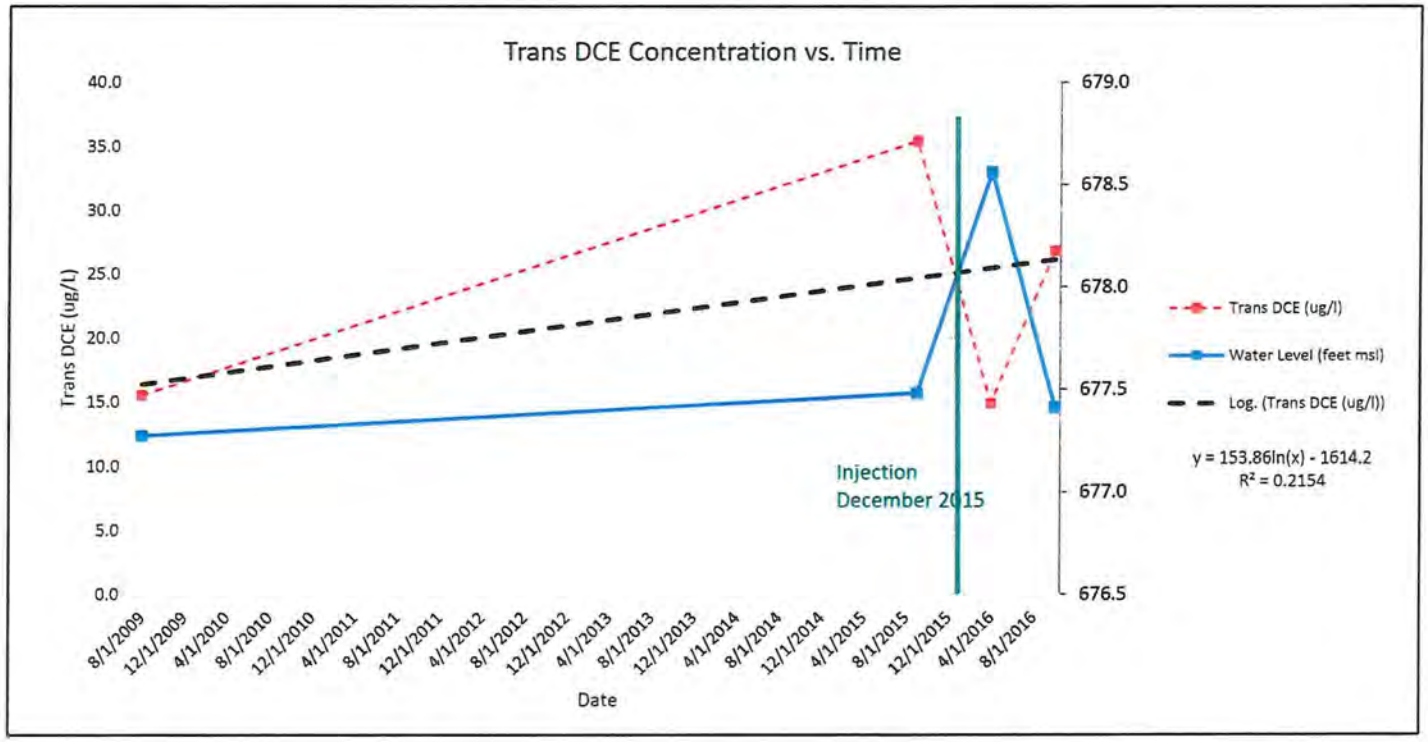
Sampling Dates	08/18/09	09/30/15	04/26/16	10/14/16
Cis DCE (ug/l)	*151.0*	*652.0*	*282.0*	*443.0*
Water Level (feet msl)	*677.3*	*677.5*	*678.6*	*677.4*



Groundwater monitoring data

SMW *14*

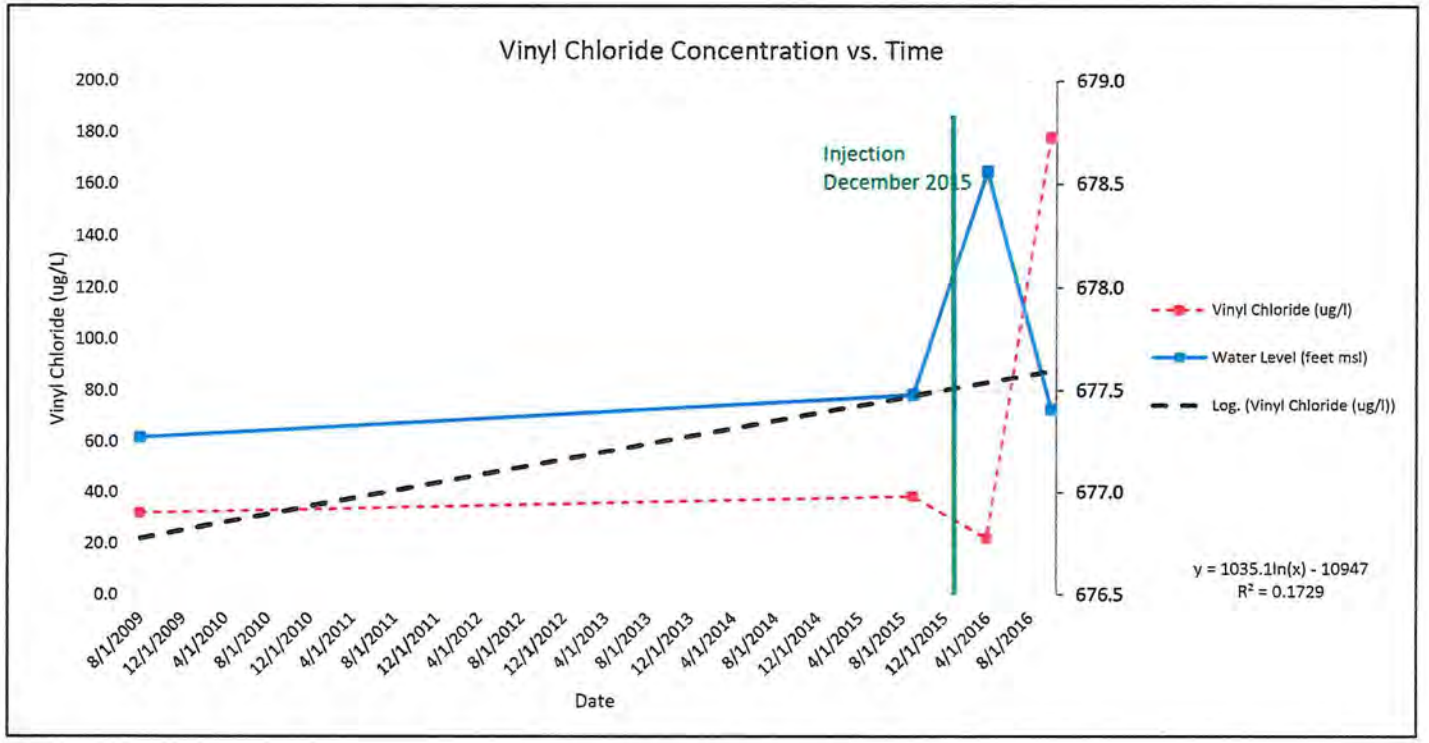
Sampling Dates	08/18/09	09/30/15	04/26/16	10/14/16
Trans DCE (ug/l)	*15.5*	*35.4*	*14.9*	*26.8*
Water Level (feet msl)	*677.3*	*677.5*	*678.6*	*677.4*



Groundwater monitoring data

SMW *14*

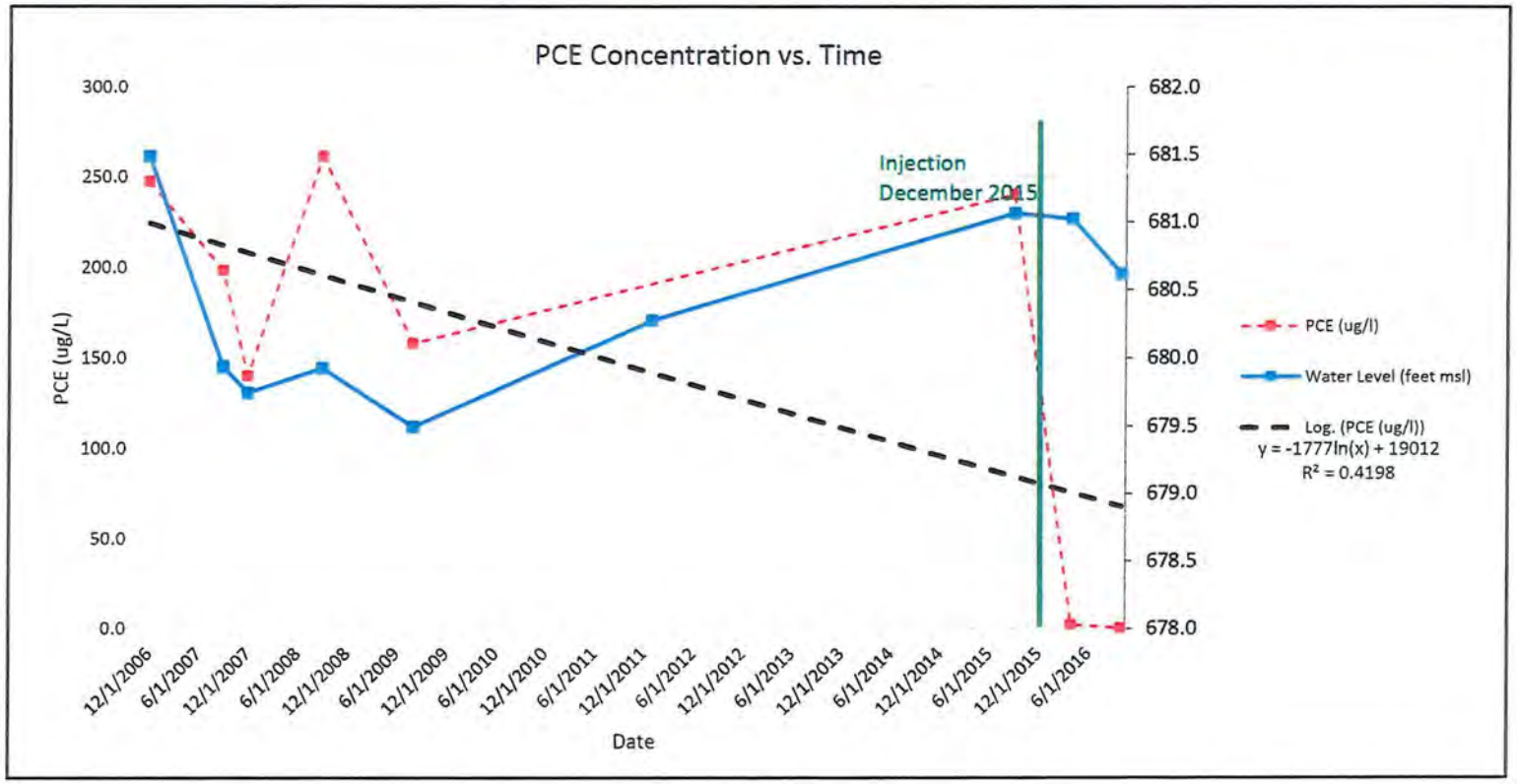
Sampling Dates	08/18/09	09/30/15	04/26/16	10/14/16
Vinyl Chloride (ug/l)	*32.0*	*38.6*	*22.3*	*178.0*
Water Level (feet msl)	*677.3*	*677.5*	*678.6*	*677.4*



Groundwater monitoring data

MW *3*

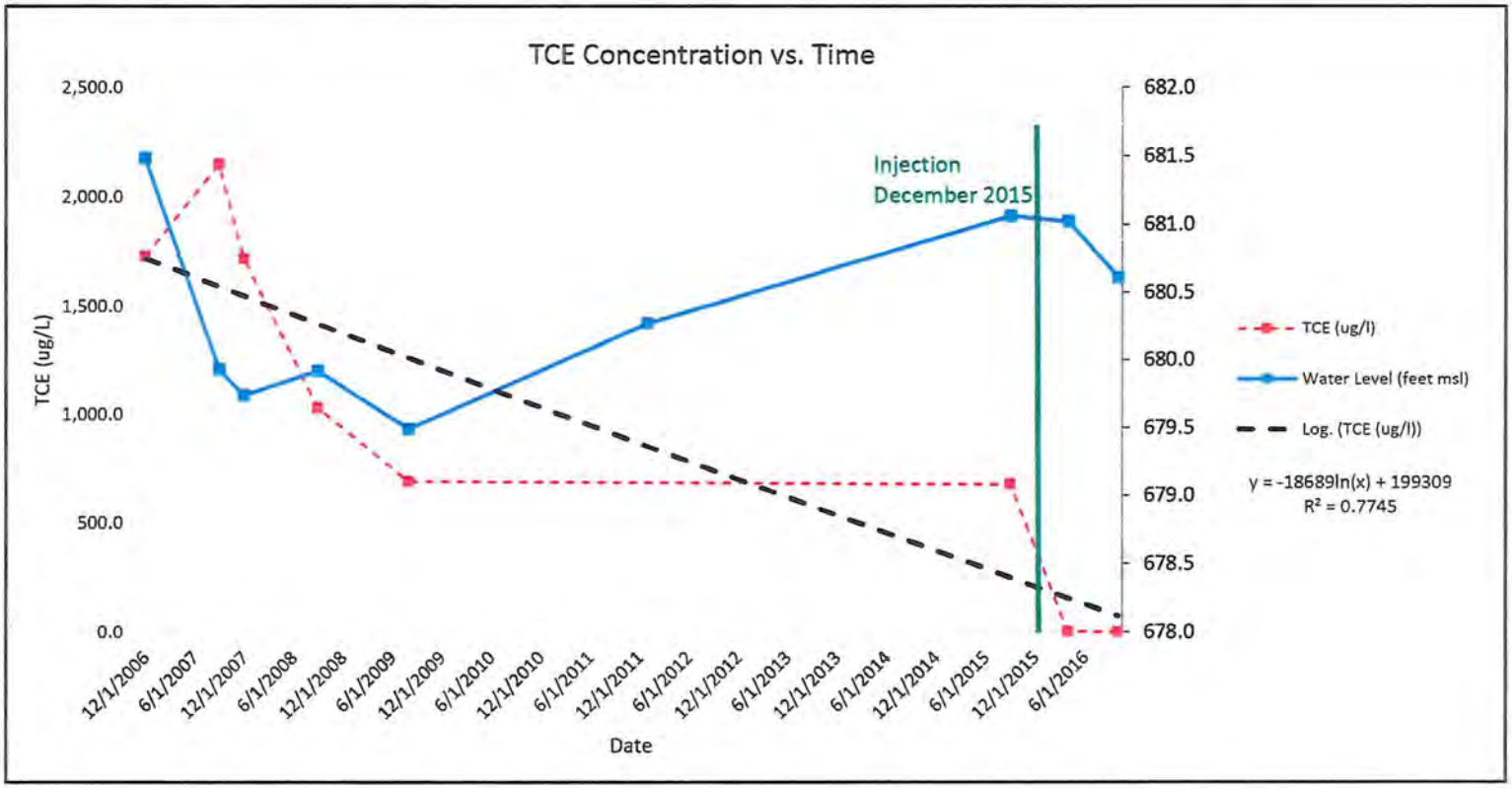
Sampling Dates	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	04/26/16	10/14/16
PCE (ug/l)	*247.0*	*198.0*	*140.0*	*261.0*	*158.0*	–	*240.0*	*2.5*	*0.5*
Water Level (feet msl)	*681.5*	*679.9*	*679.7*	*679.9*	*679.5*	*680.3*	*681.1*	*681.0*	*680.6*



Groundwater monitoring data

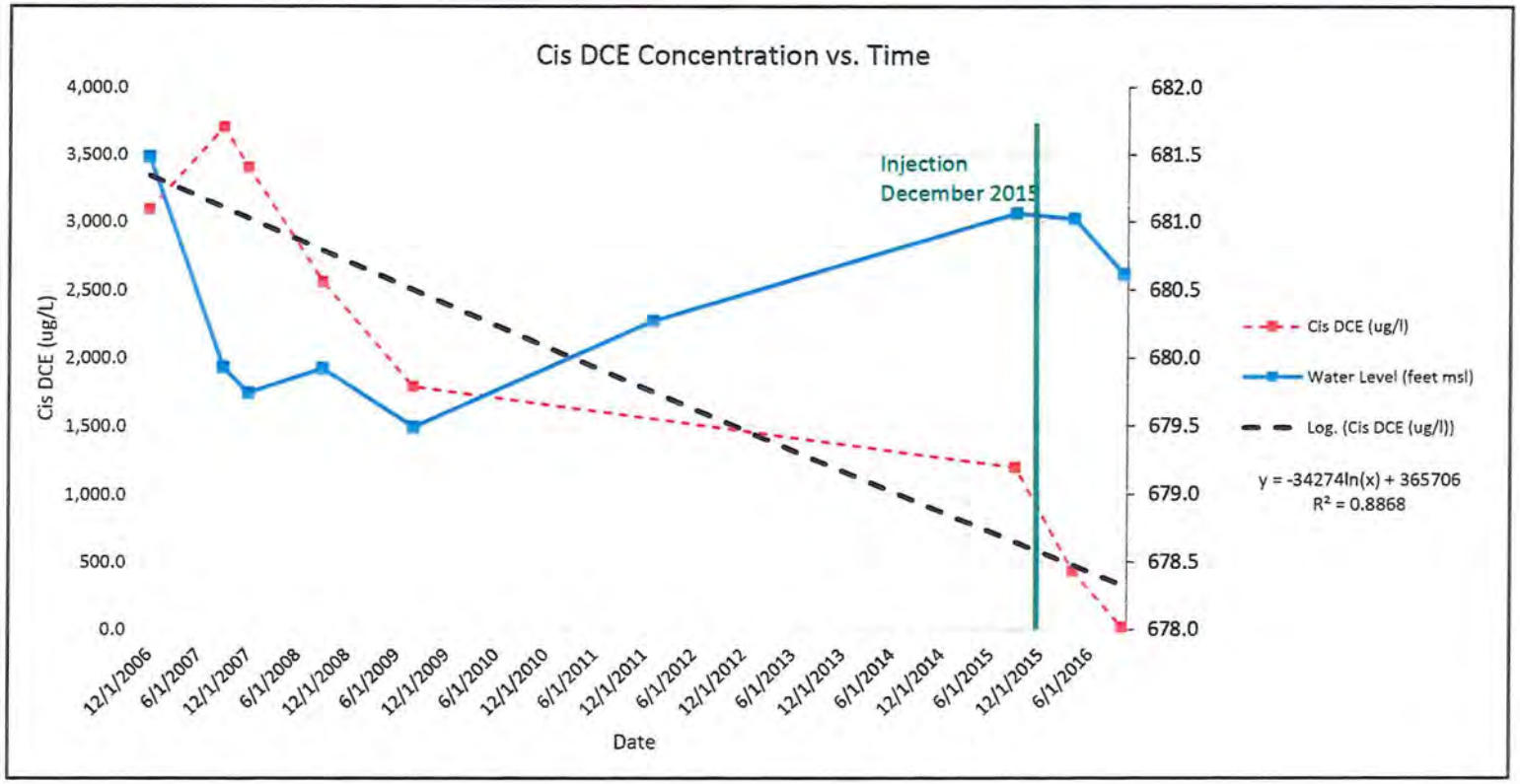
MW *3*

Sampling Dates	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	04/26/16	10/14/16
TCE (ug/l)	*1,730.0*	*2,150.0*	*1,720.0*	*1,030.0*	*690.0*	–	*677.0*	*4.4*	*1.4*
Water Level (feet msl)	*681.5*	*679.9*	*679.7*	*679.9*	*679.5*	*680.3*	*681.1*	*681.0*	*680.6*



Groundwater monitoring data

MW 3									
Sampling Dates	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	04/26/16	10/14/16
Cis DCE (ug/l)	3,090.0	3,700.0	3,400.0	2,560.0	1,790.0	–	1,200.0	436.0	18.3
Water Level (feet msl)	681.5	679.9	679.7	679.9	679.5	680.3	681.1	681.0	680.6



Groundwater monitoring data

MW *3*

Sampling Dates	12/12/06	09/25/07	12/06/07	09/09/08	08/18/09	01/10/12	09/30/15	04/26/16	10/14/16
Vinyl Chloride (ug/l)	*98.0*	*320.0*	*152.0*	*117.0*	*55.0*	–	*90.6*	*480.0*	*43.2*
Water Level (feet msl)	*681.5*	*679.9*	*679.7*	*679.9*	*679.5*	*680.3*	*681.1*	*681.0*	*680.6*