

Yang, Chue Yee - DNR

To: Ken Ebbott
Subject: RE: DERF Site Closure Potential Wauwatosa Cleaners BRRTS # 02-41-552235

KENDRICK EBBOTT | P.G. Branch Manager
Fehr Graham - Engineering & Environmental

From: Ken Ebbott
Sent: Tuesday, December 26, 2017 2:08 PM
To: Amungwafor, Binyoti - DNR <Binyoti.Amungwafor@wisconsin.gov>
Cc: Ken Ebbott <kobbott@fehr-graham.com>; wauwatosa.laundry@gmail.com
Subject: DERF Site Closure Potential Wauwatosa Cleaners BRRTS # 02-41-552235

Dear Binyoti,

It is time to get this DERF project moving again. I think it is ready for case closure, based on the data, but want to check with you to verify before I go to the effort of finalizing a closure packet. There has been little reporting on this site in an effort to keep costs to a minimum. I would like to submit for closure without sending a formal Site Investigation Report to the DNR first, because of all the off-site information already submitted to the DNR that defines the extent.

This site is surrounded by other closed BRRTS sites where the data is helpful to define the extent – namely the Speedway gas station to the far west, 6734 W. North Ave immediately adjacent to the west, and 6733 Site (Former Subway) immediately to the south. Groundwater flow is to the south / southwest / southeast so these properties are side gradient / downgradient from the Wauwatosa Cleaners site. Groundwater flow maps from Speedway and the property adjacent to the west are attached. We are awaiting survey reference elevations to display groundwater elevations from data on the drycleaners site.

The site is not very contaminated, nor does contamination appear very extensive, particularly for a drycleaner site. Drycleaning operations have occurred at this property since at least 1967, and in my experience the observed releases found in the site soil and groundwater likely occurred early in the drycleaning operations- current practices are good and spills minimal in the modern era. The main point on the age of the site is that there has been a considerable period of time for potential releases from early drycleaning operations to spread into the environment (likely 60 years since an initial release occurred). The lack of significant migration and limited extent of impacts, combined with the existing property uses and absence of direct contact risks supports no further actions being needed at this site.

The soil and groundwater extent is defined horizontally and vertically – results from the many borings and deeper clean soil and groundwater results from the piezometer define the extent.

The vapor results from subslab samples obtained on the site and on the parcel to the west (side / down-gradient) are all below the DNR / DHFS standards.

Below is a quick refresher of what has been done, and attached are copies of the key figures / tables for your consideration of suitability for closure.

Completed Scope

Drilling and Soil Sampling- three investigation events on-site – Initial discovery in July 2008 (B-1/W-1 and B-2), investigation borings and wells Jan 2010 (GP-3 to TW-7) and March 2011 (wells MW-101 / PZ-102). Also neighboring property to the west (6734 W. North Property) performed extensive Phase II with borings and subslab vapor samples in May 2011 (MW-1 to MW-15). Off-site soil and groundwater sampling done on the neighboring Subway site to the south (MW-1 to MW-5), and Speedway site further to the west (lots of borings as they defined the petroleum plume off-site, with helpful data from MW-9, MW-10, MW-11). All of these off-site investigations have been closed, with their borings and wells abandoned.

Soil samples have been obtained for analysis of full VOCs on site from 13 samples, and off-site on the parcel adjacent to the west – 14 samples. Also 10 soil samples for full VOCs were obtained across the street to the south (former Subway) at five borings.

Groundwater sampling for full VOC's – on-site up to four rounds Feb 2010, Aug 2011, Dec 2011, Oct 2016 from four existing monitoring wells on site (TW-6, TW-7, MW-101, PZ-102). Also grab water samples, one or two events, from an additional four site borings (GP-3, GP-4, GP-5, B-1/W-1) and ten off-site borings immediately adjacent to the west (6734 W. North Ave). In addition, there has been a round of VOC's obtained from five wells on the Subway property to the south, and three other wells located further away wells as part of the Speedway gas station project.

Sub-Slab Vapor samples – seven total samples have been obtained - three from the site – two main floor, one from beneath the basement floor (VP-A, B, C). Additionally, four subslab samples from the property immediately to the west (SV-7, 9, 11, 13).

Geology and Hydrogeology

Silty clay mostly, some sandy silt, occasional lenses of sandy and gravelly material. Depth to water about six to nine feet. Bedrock depth is greater than 35 feet (piezometer base), bedrock is mapped as greater than 50 feet.

The groundwater flow direction is to the south / southwest, as determined by years of groundwater flow data from the Speedway Site and the western adjacent property Phase II investigation, plus the Subway investigation to the south. I've attached the groundwater flow from the Speedway site and the 6734 W. North site for you to view. Vertical groundwater gradients are downward, as the water level from the site monitoring well and piezometer are approximately five feet deeper in the piezometer (vertical gradient approximately -0.3 ft / ft). The groundwater velocity is very low, all monitoring wells can be bailed dry, and recovery is very slow for the piezometer – taking many weeks to months for the groundwater elevations to recover to stable values after purging dry.

Contaminants and Levels

The contaminants of concern are the drycleaning solvent tetrachloroethene (PCE). There hasn't been much degradation to other chlorinated compounds, such as trichloroethene (TCE), or dichloroethene (DCE). No vinyl chloride has been detected in soil or groundwater.

Soil Chemistry

The site soil contains levels of PCE up to 79.5 mg/kg at a depth of five feet below grade, and 23 mg/kg beneath the building at a depth of approximately five feet. These locations are shown on the attached soil chemistry figure. Boring SB-8 / MW-8 off-site to the west at a depth of six to seven feet contained PCE at nearly 40 mg/kg, and the presence of PCE at this depth and location is suspected to have been carried there by groundwater migration.

The soil contaminant profile at the most contaminated location, B-2, is defined vertically, as shown by the PCE concentration profile with depth:

MW-101 1 to 2 feet	1.69 mg/kg
PZ-102 2 to 4 feet	2.01 mg/kg

B-2 5 Feet	79.5 mg/kg
PZ-102 30 to 32 feet	<0.025 mg/kg

There is no unsaturated soil within the top four feet at any sampled location that contains levels of any drycleaning chemical compound above direct contact residual contaminant levels.

The leach to groundwater soil RCL is very low for PCE, and all soil with any detectable PCE is above the theoretical level that could leach PCE to the groundwater above levels of concern. The entire site is paved with asphalt and the building impermeable surface. Detections of soil with PCE are limited to the drycleaning machine and outside rear door area, extending beneath the building to the west, and likely extending into the right of way to the south. A cap will need to be maintained over this area as part of case closure. A cap is already required over part of this area, related to the closure of the parcel to the west.

Groundwater Chemistry

Groundwater samples were obtained in 2016 from the four existing site monitoring wells, and the results are attached. The results indicate minimal impacts with PCE at well MW-101 (2.6 ug/l).

Historic groundwater samples indicate groundwater above the NR 140 enforcement standard for PCE and TCE are present at the site (attached figure and table). Groundwater from one grab sample beneath the drycleaner building (B-1 – 177 ug/l) and two grab sample borings on the western adjacent property exceeds the standard for PCE (MW-8 – 146 ug/l and MW-14 - 2,080 ug/l). Groundwater from well MW-14 also contained TCE at a concentration above the ES (18.3 ug/l), the only location with elevated TCE. Results obtained from the site over a span of six years indicates levels are stable and minimal at the tested locations.

The extent of groundwater contamination has been defined by clean groundwater results from grab sample MW-6, and full VOC results from borings on the Subway property and in the right of way of North Avenue that were obtained from 1996 and 2009.

Vapor Chemistry

Subslab vapor results obtained in 2016 from the basement and two samples from the main floor of the drycleaning building contained detections of PCE and TCE, but at levels below the standards for a small commercial building. The vapor results from the 2016 subslab testing are attached. The property is also still an operating drycleaner that utilizes PCE in the drycleaning process.

Subslab vapor results from 2011 from four locations beneath the neighboring building to the west also contain detections of PCE and TCE, but at lower concentrations, also below the commercial building standards.

Conclusion

Based on the results from the soil, groundwater and subslab vapor sampling at Wauwatosa Laundry and the results at the west adjacent property, we believe this site is ready for closure.

The contamination has been adequately defined. Existing structures cover remaining soil contamination, and there are no elevated vapor exposure or soil direct contact risks.

The lack of significant migration, stable concentrations, and limited extent of groundwater impacts indicates the remaining impacted soil does not pose a risk to the environment.

Because there is remaining soil contamination at levels above the leach to groundwater standards, and groundwater contamination is above the NR 140 ES's, with contamination known to extend off site to the property to the west and

likely in the ROW, we'll need to do a GIS packet for soil and groundwater contamination, and a Cap Maintenance Plan for the existing building and asphalt surfaces.

Please let me know your thoughts for closure at this site.

Thanks,

Ken

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LEGEND

- ⊕ NR141 MONITORING WELL
- ⊕ NR141 MONITORING WELL (ABANDONED)
- ⊕ SMALL DIAMETER MONITORING WELL
- ⊕ SOIL BORING

5/20/11 SAMPLE DATE

PCE TETRACHLOROETHENE (ug/L)

TCE TRICHLOROETHENE (ug/L)

VOC VOLATILE ORGANIC CMPDS

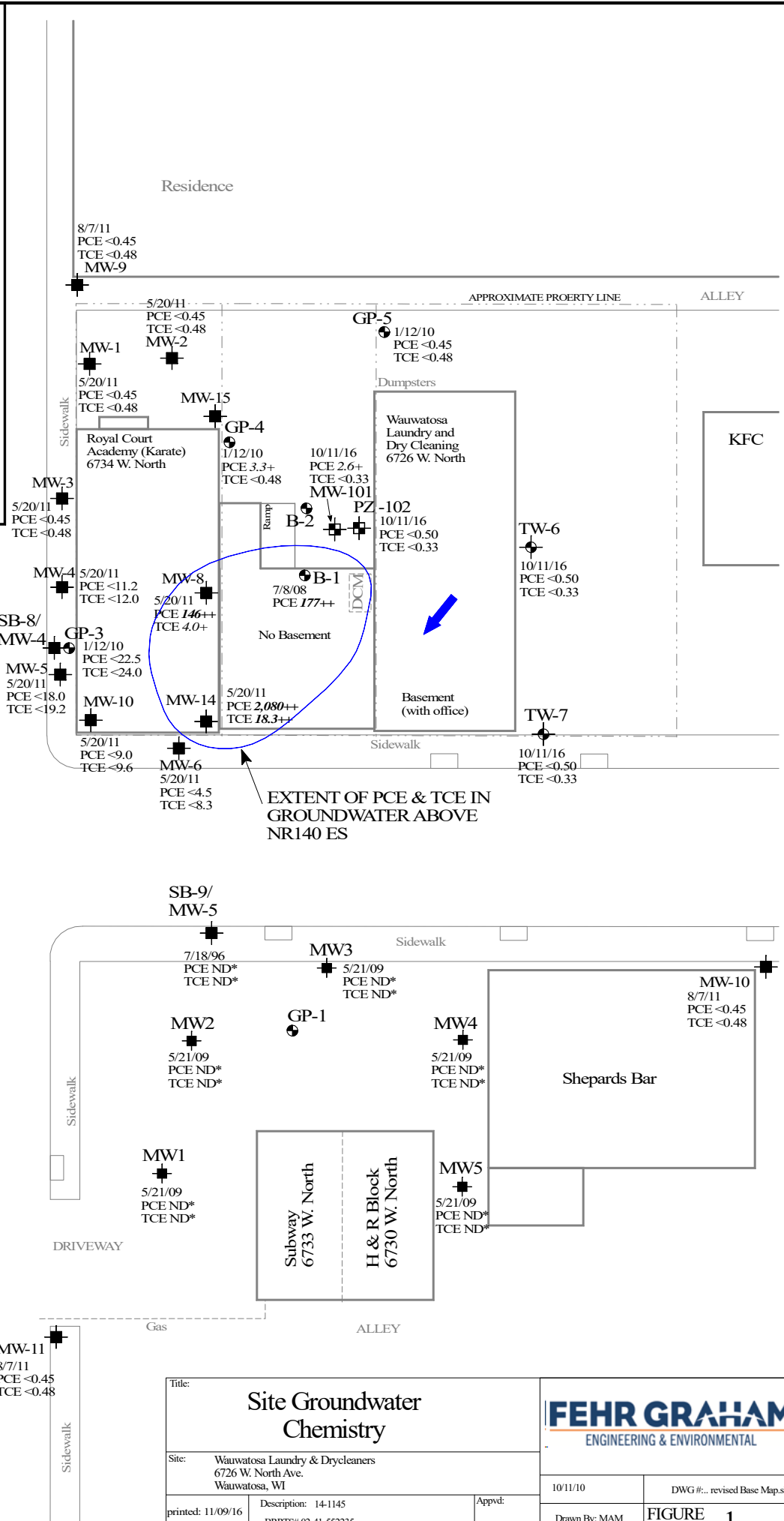
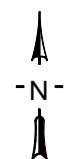
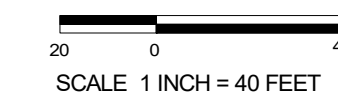
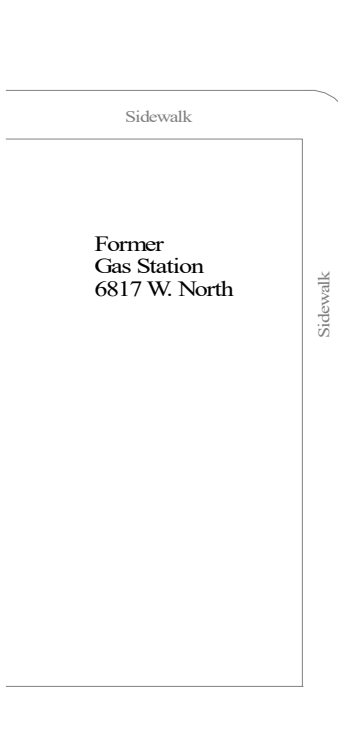
ND NO DETECT

ITALICS+ EXCEEDS NR140 PREVENTIVE ACTION LIMIT

BOLD++ EXCEEDS NR140 ENFORCEMENT STANDARD

* FULL VOC ANALYZED & PCE/TCE INCLUDED BASED ON GIS DATA TABLE; NOT REPORTED AS PRESENT

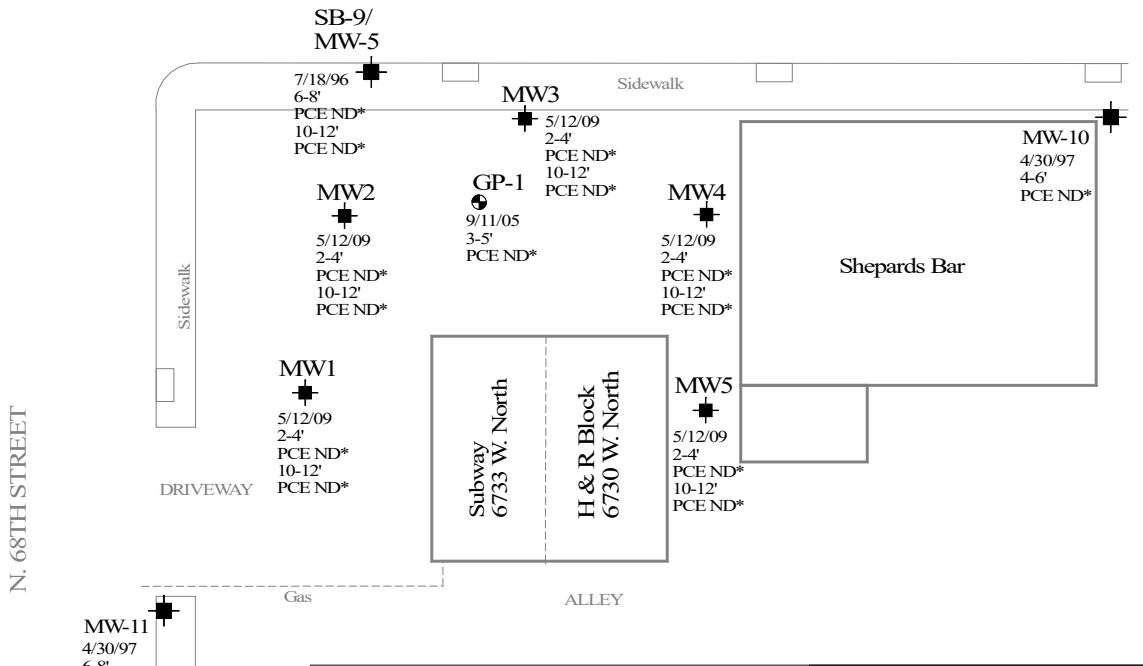
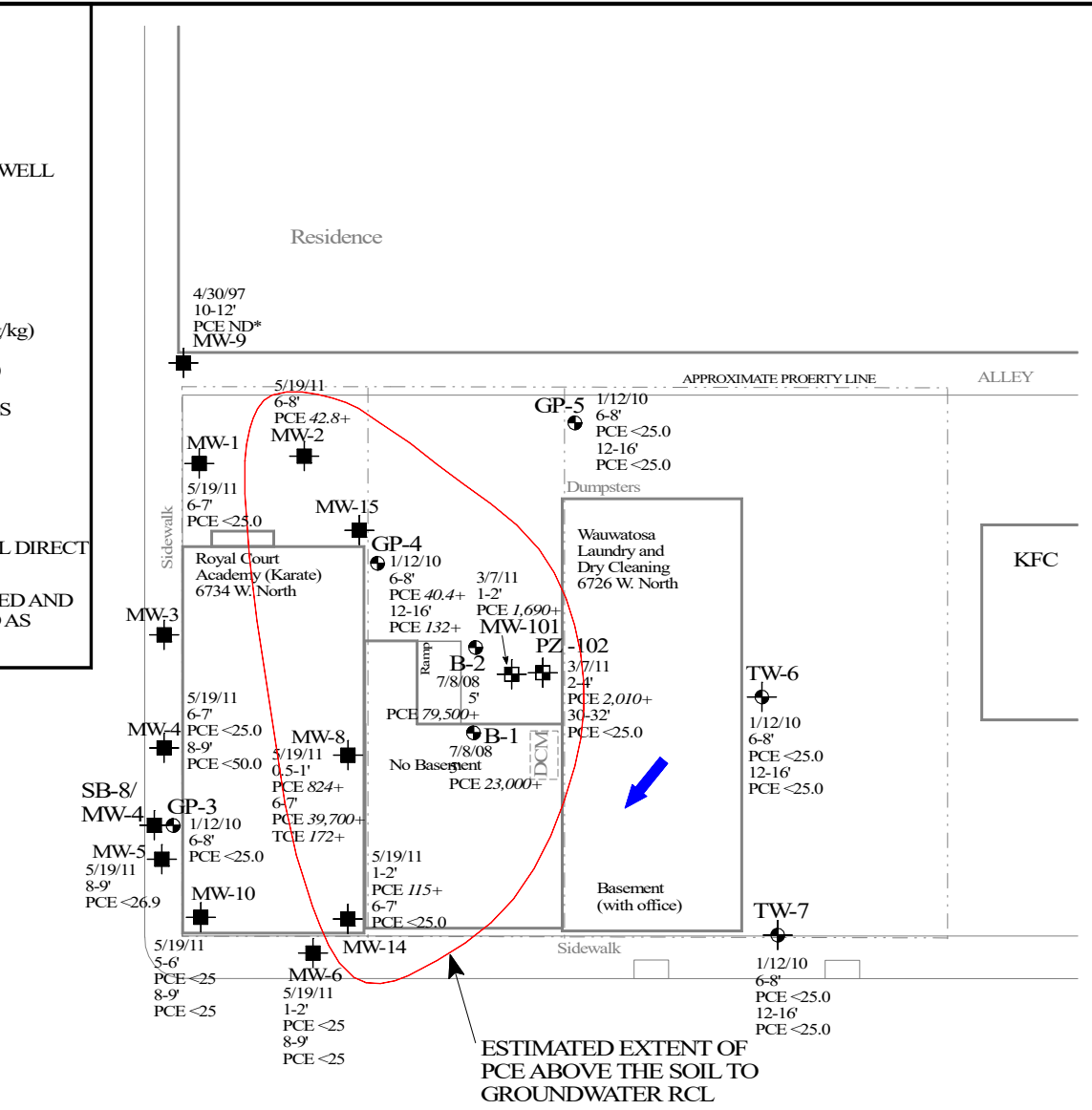
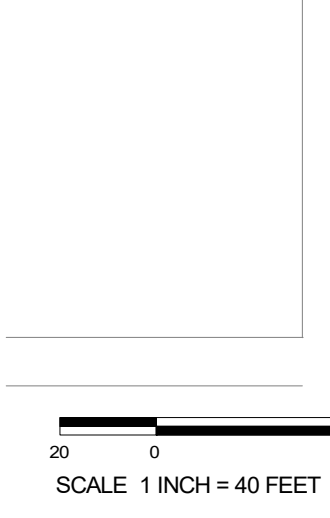
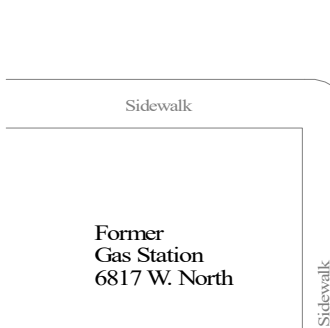
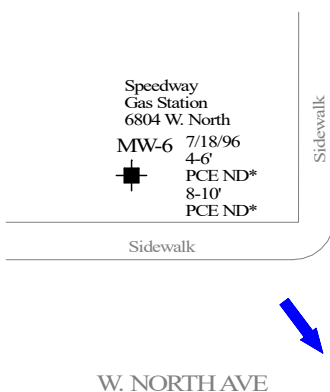
GROUNDWATER FLOW



Title: Site Groundwater Chemistry		FEHR GRAHAM ENGINEERING & ENVIRONMENTAL	
Site: Wauwatosa Laundry & Drycleaners 6726 W. North Ave. Wauwatosa, WI		10/11/10	DWG #... revised Base Map.skd
printed: 11/09/16	Description: 14-1145 BRRTS# 02-41-552235	Appvd:	Drawn By: MAM
			FIGURE 1

LEGEND

- ⊕ NR141 MONITORING WELL
- ⊕ NR141 MONITORING WELL (ABANDONED)
- ⊕ SMALL DIAMETER MONITORING WELL
- ⊕ SOIL BORING
- 5/19/11 SAMPLE DATE
- 1-2' SAMPLE DEPTH
- PCE TETRACHLOROETHENE (ug/kg)
- TCE TRICHLOROETHENE (ug/kg)
- VOC VOLATILE ORGANIC CMPDS
- ND NO DETECT
- ITALICS+* EXCEEDS GROUNDWATER PATHWAY RCL
- BOLD++** EXCEEDS NON-INDUSTRIAL DIRECT CONTACT (0-4) STANDARD
- * FULL VOC ANALYSIS TESTED AND PCE & TCE NOT REPORTED AS PRESENT



Scale 1 INCH = 40 FEET

Site Soil Chemistry

FEHR GRAHAM ENGINEERING & ENVIRONMENTAL

Site: Wauwatosa Laundry & Drycleaners
6726 W. North Ave.
Wauwatosa, WI

printed: 11/09/16 Description: 14-1145 BRRTS# 02-41-552235

Appvd:

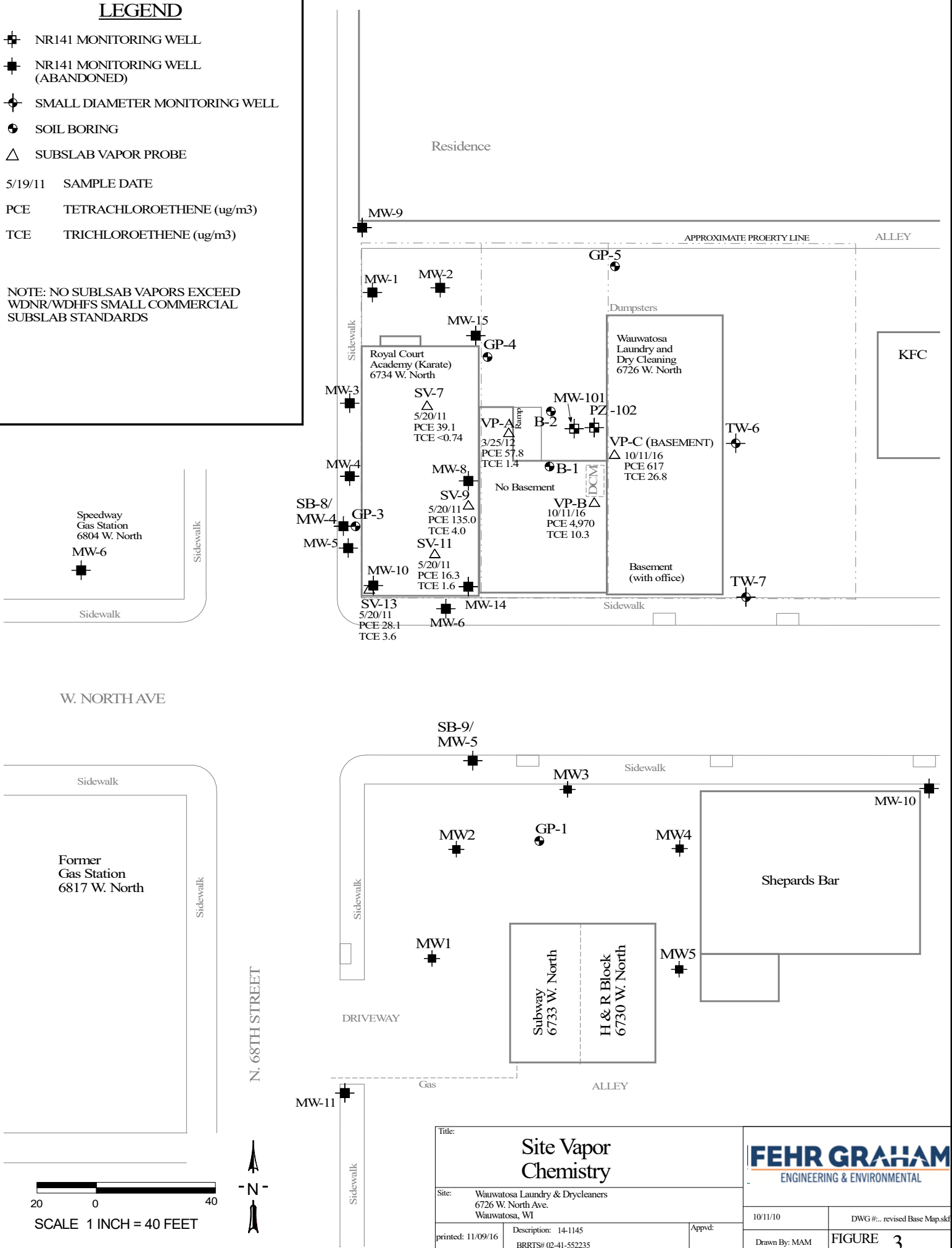
10/11/10 DWG #... revised Base Map.skd

Drawn By: MAM FIGURE 2

LEGEND

- ⊕ NR141 MONITORING WELL
- ⊕ NR141 MONITORING WELL (ABANDONED)
- ⊕ SMALL DIAMETER MONITORING WELL
- ⊕ SOIL BORING
- △ SUBSLAB VAPOR PROBE
- 5/19/11 SAMPLE DATE
- PCE TETRACHLOROETHENE (ug/m3)
- TCE TRICHLOROETHENE (ug/m3)

NOTE: NO SUBSLAB VAPORS EXCEED WDNR/WDHFS SMALL COMMERCIAL SUBSLAB STANDARDS



Speedway Gas Station
6804 W. North

MW-6

Sidewalk

W. NORTH AVE

Sidewalk

Former Gas Station
6817 W. North

Sidewalk

N. 68TH STREET

DRIVEWAY

MW1

MW2

SB-9/
MW-5

Subway
6733 W. North

H & R Block
6730 W. North

MW4

MW5

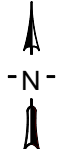
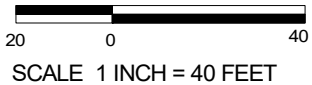
Shepards Bar

MW-10

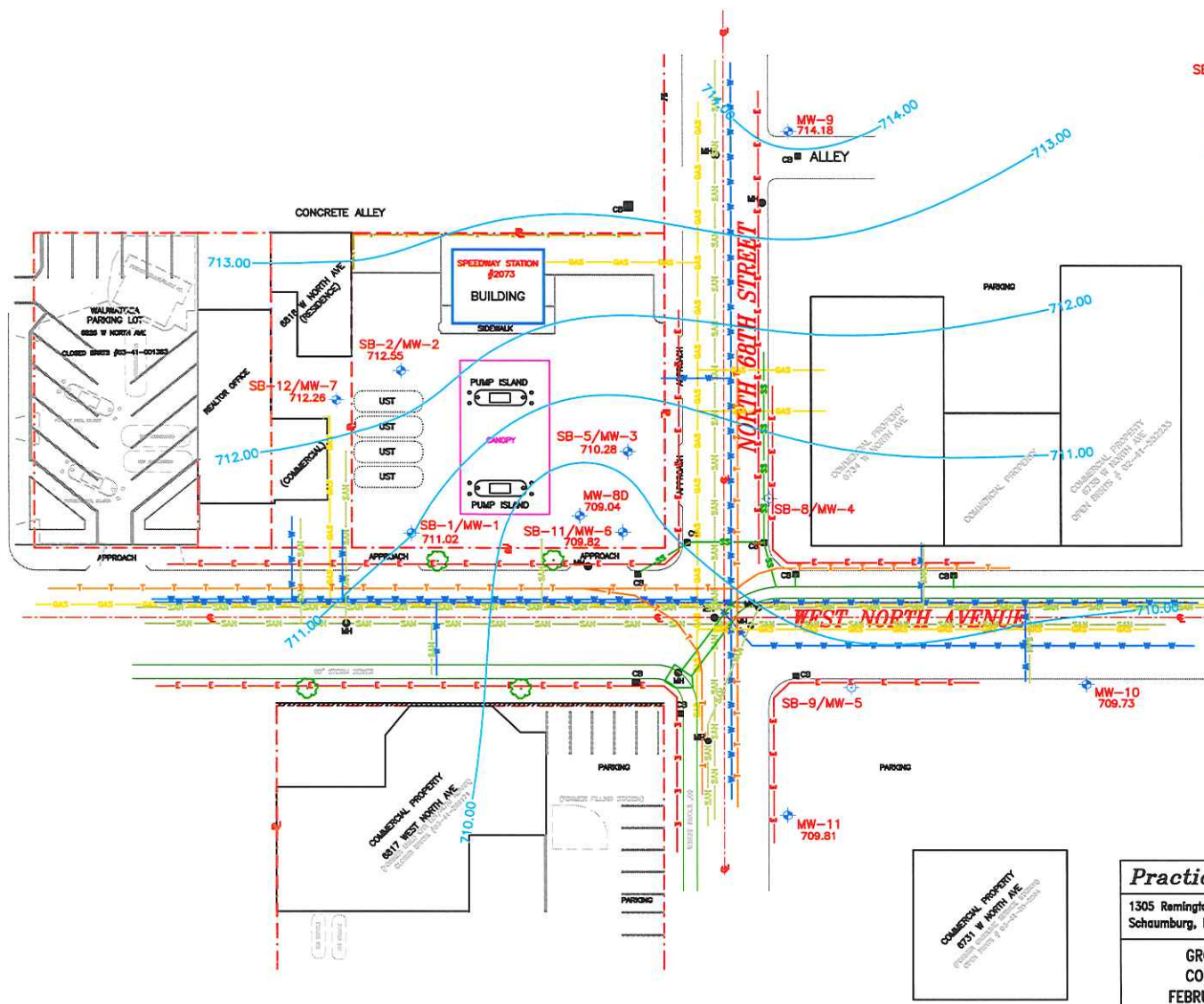
Title: Site Vapor Chemistry	
Site: Wauwatosa Laundry & Drycleaners 6726 W. North Ave. Wauwatosa, WI	
printed: 11/09/16	Description: 14-1145 BRRTS# 02-41-552235
Appvd:	

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

10/11/10	DWG #... revised Base Map.skd
Drawn By: MAM	FIGURE 3



NORTH 69TH STREET



LEGEND

- MW-9 713.78 ◆ MONITORING WELL LOCATION W/ GROUNDWATER ELEVATION (FT)
- SB-9/MW-5 ◆ DESTROYED/ABANDONED MONITORING WELL LOCATION
- — — NATURAL GAS LINE
- — — ELECTRIC LINE
- — — SANITARY SEWER LINE
- — — WATER LINE
- — — STORM SEWER LINE
- — — TELEPHONE LINE LOCATION
- 713.00 — — — CONTOUR LINE (INTERVAL: 1.0 FT)

NOTE: THIS IS NOT A LEGAL OR PROFESSIONAL SURVEY





Practical Environmental Consultants, Inc.				
1305 Remington Road, Suite A Schaumburg, Illinois 60173		Phone 847.519.3430 Facsimile 847.519.3431		
GROUNDWATER CONTOUR MAP FEBRUARY 1, 2010		SPEEDWAY STATION NO. 2073 6804 WEST NORTH AVENUE WAUWATOSA, WISCONSIN 53213		
DATE	SCALE	APPROVED	DWN. BY	FIGURE
02/03/2011	AS SHOWN	HKJ	JLR	6



COMMERCIAL PROPERTY
6731 W NORTH AVE
SPEEDWAY STATION # 2073

Legend



Sample Locations

-  Temporary Monitoring Well
-  Sub-Slab Vapor Probe

Groundwater Contours

-  Groundwater Elevation Contours
(in feet above Site Datum)
(dashed where inferred)
-  Inferred Direction of
Shallow Groundwater Flow

Site Boundaries

-  Right of Way
-  6734 and 6738 West North Ave

Note: Aerial photography presented on this figure was taken in 2010 and was obtained from the Milwaukee County Automated Mapping and Land Information System.



Table A.1.a
 Groundwater Analytical Table - VOC
 Wauwatosa Laundry Dry Cleaner
 6726 W. North Ave., Wauwatosa, WI
 BRRTS# 02-41-552235

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	B-1/W-1	GP-3	GP-4	GP-5
Date				7/8/08	1/12/10	1/12/10	1/12/10
Groundwater Elevation				--	--	--	--
Notes				Grab	Grab	Grab	Grab
Benzene	(ug/L)	0.5	5	ND	4,350	<0.41	<0.41
Ethylbenzene	(ug/L)	140	700	ND	2,780	<0.54	<0.54
Toluene	(ug/L)	160	800	ND	6,970	<0.67	<0.67
m&p-Xylene	(ug/L)	NS	NS	--	8,070	<1.8	--
o-Xylene	(ug/L)	NS	NS	--	3,240	<0.83	--
Xylenes (TOTAL)	(ug/L)	400	2,000	ND	11,310	<2.63	<2.63
Naphthalene	(ug/L)	10	100	ND	437	<0.89	<0.89
MTBE	(ug/L)	12	60	ND	<30.5	<0.61	<0.61
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	--	2,200	<0.97	--
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	--	595	<0.83	--
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	ND	2,795	<1.80	<1.80
Tetrachloroethene (PCE)	(ug/L)	0.5	5	177	<22.5	3.3	<0.45
Trichloroethene (TCE)	(ug/L)	0.5	5	ND	<24.0	<0.48	<0.48
cis-1,2-Dichloroethene	(ug/L)	7	70	ND	<41.5	<0.83	<0.83
trans-1,2-Dichloroethene	(ug/L)	20	100	ND	<44.5	<0.89	<0.89
Vinyl Chloride	(ug/L)	0.02	0.2	ND	<9.0	<0.18	<0.18
Methylene Chloride	(ug/L)	0.5	5	ND	<21.5	<0.43	<0.43
Bromobenzene	(ug/L)	NS	NS	--	<41.0	<0.82	<0.82
Bromochloromethane	(ug/L)	NS	NS	--	<48.5	<0.97	<0.97
Bromodichloromethane	(ug/L)	0.06	0.6	--	<28.0	<0.56	<0.56
Bromoform	(ug/L)	0.44	4.4	--	<47.0	<0.94	<0.94
Bromomethane	(ug/L)	1	10	--	<45.5	<0.91	<0.91
n-Butylbenzene	(ug/L)	NS	NS	ND	78.4	<0.93	<0.93
sec-Butylbenzene	(ug/L)	NS	NS	ND	<44.5	<0.89	<0.89
tert-Butylbenzene	(ug/L)	NS	NS	--	<48.5	<0.97	<0.97
Carbon Tetrachloride	(ug/L)	0.5	5	--	<24.5	<0.49	<0.49
Chlorobenzene	(ug/L)	NS	NS	ND	<20.5	<0.41	<0.41
Chloroethane	(ug/L)	80	400	ND	<48.5	<0.97	<0.97
Chloroform	(ug/L)	0.6	6	ND	<65.0	<1.3	<1.3
Chloromethane	(ug/L)	3	30	ND	<12.0	<0.24	<0.24
2-Chlorotoluene	(ug/L)	NS	NS	--	<42.5	<0.85	<0.85
4-Chlorotoluene	(ug/L)	NS	NS	--	<37.0	<0.74	<0.74
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	--	<84.0	<1.7	<1.7
Dibromochloromethane	(ug/L)	6	60	--	<28.0	<0.81	<0.81
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	--	<28.0	<0.56	<0.56
Dibromomethane	(ug/L)	NS	NS	--	<30.0	<0.60	<0.60
1,2-Dichlorobenzene	(ug/L)	60	600	--	<41.5	<0.83	<0.83
1,3-Dichlorobenzene	(ug/L)	120	600	--	<43.5	<0.87	<0.87
1,4-Dichlorobenzene	(ug/L)	15	75	--	<47.5	<0.95	<0.95
Dichlorodifluoromethane	(ug/L)	200	1,000	--	<49.5	<0.99	<0.99
1,1-Dichloroethane	(ug/L)	85	850	ND	<37.5	<0.75	<0.75
1,2-Dichloroethane	(ug/L)	0.5	5	--	<18.0	<0.36	<0.36
1,1-Dichloroethene	(ug/L)	0.7	7	ND	<28.5	<0.57	<0.57
1,2-Dichloropropane	(ug/L)	0.5	5	--	<24.5	<0.49	<0.49
1,3-Dichloropropane	(ug/L)	NS	NS	--	<30.5	<0.61	<0.61
2,2-Dichloropropane	(ug/L)	NS	NS	--	<31.0	<0.62	<0.62
1,1-Dichloropropene	(ug/L)	NS	NS	--	<37.5	<0.75	<0.75
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	--	<10.0	<0.20	<0.20
trans-1,3Dichloropropene	(ug/L)	0.04	0.4	--	<9.5	<0.19	<0.19
Diisopropyl ether	(ug/L)	NS	NS	ND	<38.0	<0.76	<0.76
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	--	<33.5	<0.67	<0.67
Isopropylbenzene	(ug/L)	NS	NS	ND	113	<0.59	<0.59
p-Isopropyltoluene	(ug/L)	NS	NS	ND	<33.5	<0.67	<0.67
n-Propylbenzene	(ug/L)	NS	NS	ND	346	<0.81	<0.81
Styrene	(ug/L)	10	100	--	<43.0	<0.86	<0.86
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	--	<46.0	<0.92	<0.92
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	--	<10.0	<0.20	<0.20
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	--	<37.0	<0.74	<0.74
1,2,4-Trichlorobenzene	(ug/L)	14	70	--	<48.5	<0.97	<0.97
1,1,1-Trichlorethane	(ug/L)	40	200	ND	<45.0	<0.90	<0.90
1,1,2-Trichlorethane	(ug/L)	0.5	5	--	<21.0	<0.42	<0.42
Trichlorofluoromethane	(ug/L)	NS	NS	--	<39.5	<0.79	<0.79
1,2,3-Trichloropropane	(ug/L)	12	60	--	<49.5	<0.99	<0.99

Notes:
 NS = No standard established
 -- = Not analyzed or reported in historical data
 ND = No Detect

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

** = Phase II Investigation at 6734 W. North Ave

Table A.1.a
 Groundwater Analytical Table - VOC
 Wauwatosa Laundry Dry Cleaner
 6726 W. North Ave., Wauwatosa, WI
 BRRTS# 02-41-552235

Sample ID		Date	Groundwater Elevation	Notes	NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-101				PZ-102				
							8/17/11	8/17/11	12/21/11	10/11/16		8/17/11	12/21/11		10/11/16
							--	--	--	--	--	--	--	--	
								Dup		Dup			Dup		
Benzene	(ug/L)				0.5	5	<0.41	<0.41	<0.41	<0.50	<0.50	<0.41	<0.41	<0.41	<0.50
Ethylbenzene	(ug/L)				140	700	<0.54	<0.54	<0.54	<0.50	<0.50	<0.54	<0.54	<0.54	<0.50
Toluene	(ug/L)				160	800	<0.67	<0.67	<0.67	<0.50	<0.50	<0.67	<0.67	<0.67	<0.50
m&p-Xylene	(ug/L)				NS	NS	<1.8	<1.8	<1.8	<1.0	<1.0	<1.8	<1.8	<1.8	<1.0
o-Xylene	(ug/L)				NS	NS	<0.83	<0.83	<0.83	<0.5	<0.5	<0.83	<0.83	<0.83	<0.5
Xylenes (TOTAL)	(ug/L)				400	2,000	<2.63	<2.63	<2.63	<1.5	<1.5	<2.63	<2.63	<2.63	<1.5
Naphthalene	(ug/L)				10	100	<0.89	<0.89	<0.89	<2.5	<2.5	<0.89	<0.89	<0.89	<2.5
MTBE	(ug/L)				12	60	<0.61	<0.61	<0.61	<0.17	<0.17	<0.61	<0.61	<0.61	<0.17
1,2,4-Trimethylbenzene	(ug/L)				NS	NS	<0.97	<0.97	<0.97	<0.50	<0.50	<0.97	<0.97	<0.97	<0.50
1,3,5-Trimethylbenzene	(ug/L)				NS	NS	<0.83	<0.83	<0.83	<0.50	<0.50	<0.83	<0.83	<0.83	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)				96	480	<1.8	<1.8	<1.8	<1.0	<1.0	<1.8	<1.8	<1.8	<1.0
Tetrachloroethene (PCE)	(ug/L)				0.5	5	<0.45	<0.45	<0.45	2.6	2.5	<0.45	<0.45	<0.45	<0.50
Trichloroethene (TCE)	(ug/L)				0.5	5	<0.48	<0.48	<0.48	<0.33	<0.33	<0.48	<0.48	<0.48	<0.33
cis-1,2-Dichloroethene	(ug/L)				7	70	<0.83	<0.83	<0.83	<0.26	<0.26	<0.83	<0.83	<0.83	<0.26
trans-1,2-Dichloroethene	(ug/L)				20	100	<0.89	<0.89	<0.89	<0.26	<0.26	<0.89	<0.89	<0.89	<0.26
Vinyl Chloride	(ug/L)				0.02	0.2	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Methylene Chloride	(ug/L)				0.5	5	<0.43	<0.43	<0.43	<0.23	<0.23	<0.43	<0.43	<0.43	<0.23
Bromobenzene	(ug/L)				NS	NS	<0.82	<0.82	<0.82	<0.23	<0.23	<0.82	<0.82	<0.82	<0.23
Bromochloromethane	(ug/L)				NS	NS	<0.97	<0.97	<0.97	<0.34	<0.34	<0.97	<0.97	<0.97	<0.34
Bromodichloromethane	(ug/L)				0.06	0.6	<0.56	<0.56	<0.56	<0.50	<0.50	<0.56	<0.56	<0.56	<0.50
Bromoform	(ug/L)				0.44	4.4	<0.94	<0.94	<0.94	<0.50	<0.50	<0.94	<0.94	<0.94	<0.50
Bromomethane	(ug/L)				1	10	<0.91	<0.91	<0.91	<2.4	<2.4	<0.91	<0.91	<0.91	<2.4
n-Butylbenzene	(ug/L)				NS	NS	<0.93	<0.93	<0.93	<0.50	<0.50	<0.93	<0.93	<0.93	<0.50
sec-Butylbenzene	(ug/L)				NS	NS	<0.89	<0.89	<0.89	<2.2	<2.2	<0.89	<0.89	<0.89	<2.2
tert-Butylbenzene	(ug/L)				NS	NS	<0.97	<0.97	<0.97	<0.18	<0.18	<0.97	<0.97	<0.97	<0.18
Carbon Tetrachloride	(ug/L)				0.5	5	<0.49	<0.49	<0.49	<0.50	<0.50	<0.49	<0.49	<0.49	<0.50
Chlorobenzene	(ug/L)				NS	NS	<0.41	<0.41	<0.41	<0.50	<0.50	<0.41	<0.41	<0.41	<0.50
Chloroethane	(ug/L)				80	400	<0.97	<0.97	<0.97	<0.37	<0.37	<0.97	<0.97	<0.97	<0.37
Chloroform	(ug/L)				0.6	6	<1.3	<1.3	<1.3	<2.5	<2.5	<1.3	<1.3	<1.3	<2.5
Chloromethane	(ug/L)				3	30	<0.24	<0.24	<0.24	<0.50	<0.50	<0.24	<0.24	<0.24	<0.50
2-Chlorotoluene	(ug/L)				NS	NS	<0.85	<0.85	<0.85	<0.50	<0.50	<0.85	<0.85	<0.85	<0.50
4-Chlorotoluene	(ug/L)				NS	NS	<0.74	<0.74	<0.74	<0.21	<0.21	<0.74	<0.74	<0.74	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)				0.02	0.2	<1.7	<1.7	<1.7	<2.2	<2.2	<1.7	<1.7	<1.7	<2.2
Dibromochloromethane	(ug/L)				6	60	<0.81	<0.81	<0.81	<0.50	<0.50	<0.81	<0.81	<0.81	<0.50
1,2-Dibromoethane (EDB)	(ug/L)				0.005	0.05	<0.56	<0.56	<0.56	<0.18	<0.18	<0.56	<0.56	<0.56	<0.18
Dibromomethane	(ug/L)				NS	NS	<0.60	<0.60	<0.60	<0.43	<0.43	<0.60	<0.60	<0.60	<0.43
1,2-Dichlorobenzene	(ug/L)				60	600	<0.83	<0.83	<0.83	<0.50	<0.50	<0.83	<0.83	<0.83	<0.50
1,3-Dichlorobenzene	(ug/L)				120	600	<0.87	<0.87	<0.87	<0.50	<0.50	<0.87	<0.87	<0.87	<0.50
1,4-Dichlorobenzene	(ug/L)				15	75	<0.95	<0.95	<0.95	<0.50	<0.50	<0.95	<0.95	<0.95	<0.50
Dichlorodifluoromethane	(ug/L)				200	1,000	<0.99	<0.99	<0.99	<0.22	<0.22	<0.99	<0.99	<0.99	<0.22
1,1-Dichloroethane	(ug/L)				85	850	<0.75	<0.75	<0.75	<0.24	<0.24	<0.75	<0.75	<0.75	<0.24
1,2-Dichloroethane	(ug/L)				0.5	5	<0.36	<0.36	<0.36	<0.17	<0.17	<0.36	<0.36	<0.36	<0.17
1,1-Dichloroethene	(ug/L)				0.7	7	<0.57	<0.57	<0.57	<0.41	<0.41	<0.57	<0.57	<0.57	<0.41
1,2-Dichloropropane	(ug/L)				0.5	5	<0.49	<0.49	<0.49	<0.23	<0.23	<0.49	<0.49	<0.49	<0.23
1,3-Dichloropropane	(ug/L)				NS	NS	<0.61	<0.61	<0.61	<0.50	<0.50	<0.61	<0.61	<0.61	<0.50
2,2-Dichloropropane	(ug/L)				NS	NS	<0.62	<0.62	<0.62	<0.48	<0.48	<0.62	<0.62	<0.62	<0.48
1,1-Dichloropropene	(ug/L)				NS	NS	<0.75	<0.75	<0.75	<0.44	<0.44	<0.75	<0.75	<0.75	<0.44
cis-1,3-Dichloropropene	(ug/L)				0.04	0.4	<0.20	<0.20	<0.20	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50
trans-1,3Dichloropropene	(ug/L)				0.04	0.4	<0.19	<0.19	<0.19	<0.23	<0.23	<0.19	<0.19	<0.19	<0.23
Diisopropyl ether	(ug/L)				NS	NS	<0.76	<0.76	<0.76	<0.50	<0.50	<0.76	<0.76	<0.76	<0.50
Hexachloro-1,3-butadiene	(ug/L)				NS	NS	<0.67	<0.67	<0.67	<2.1	<2.1	<0.67	<0.67	<0.67	<2.1
Isopropylbenzene	(ug/L)				NS	NS	<0.59	<0.59	<0.59	<0.14	<0.14	<0.59	<0.59	<0.59	<0.14
p-Isopropyltoluene	(ug/L)				NS	NS	<0.67	<0.67	<0.67	<0.50	<0.50	<0.67	<0.67	<0.67	<0.50
n-Propylbenzene	(ug/L)				NS	NS	<0.81	<0.81	<0.81	<0.50	<0.50	<0.81	<0.81	<0.81	<0.50
Styrene	(ug/L)				10	100	<0.86	<0.86	<0.86	<0.50	<0.50	<0.86	<0.86	<0.86	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)				7	70	<0.92	<0.92	<0.92	<0.18	<0.18	<0.92	<0.92	<0.92	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)				0.02	0.2	<0.20	<0.20	<0.20	<0.25	<0.25	<0.20	<0.20	<0.20	<0.25
1,2,3-Trichlorobenzene	(ug/L)				NS	NS	<0.74	<0.74	<0.74	<2.1	<2.1	<0.74	<0.74	<0.74	<2.1
1,2,4-Trichlorobenzene	(ug/L)				14	70	<0.97	<0.97	<0.97	<2.2	<2.2	<0.97	<0.97	<0.97	<2.2
1,1,1-Trichlorethane	(ug/L)				40	200	<0.90	<0.90	<0.90	<0.50	<0.50	<0.90	<0.90	<0.90	<0.50
1,1,2-Trichlorethane	(ug/L)				0.5	5	<0.42	<0.42	<0.42	<0.20	<0.20	<0.42	<0.42	<0.42	<0.20
Trichlorofluoromethane	(ug/L)				NS	NS	<0.79	<0.79	<0.79	<0.18	<0.18	<0.79	<0.79	<0.79	<0.18
1,2,3-Trichloropropane	(ug/L)				12	60	<0.99	<0.99	<0.99	<0.50	<0.50	<0.99	<0.99	<0.99	<0.50

Notes:
 NS = No standard established
 -- = Not analyzed or reported in historical data
 ND = No Detect

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

** = Phase II Investigation at 6734 W. North Ave

Table A.1.a
 Groundwater Analytical Table - VOC
 Wauwatosa Laundry Dry Cleaner
 6726 W. North Ave., Wauwatosa, WI
 BRRTS# 02-41-552235

Sample ID		Date	Groundwater Elevation	Notes	NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	TW-6 / GP-6				TW-7 / GP-7				MW-1**
							2/18/10	8/17/11	12/21/11	10/11/16	2/18/10	8/17/11	12/21/11	10/11/16	5/20/11
							--	--	--	--	--	--	--	--	--
															Grab
Benzene	(ug/L)				<i>0.5</i>	5	<0.41	<0.41	<0.41	<0.50	<0.41	<0.41	<0.41	<0.50	<0.41
Ethylbenzene	(ug/L)				<i>140</i>	700	<0.54	<0.54	<0.54	<0.50	<0.54	<0.54	<0.54	<0.50	<0.54
Toluene	(ug/L)				<i>160</i>	800	<0.67	<0.67	<0.67	<0.50	<0.67	<0.67	<0.67	<0.50	<0.67
m&p-Xylene	(ug/L)				NS	NS	<1.8	<1.8	<1.8	<1.0	<1.8	<1.8	<1.8	<1.0	<1.8
o-Xylene	(ug/L)				NS	NS	<0.83	<0.83	<0.83	<0.5	<0.83	<0.83	<0.83	<0.5	<0.83
Xylenes (TOTAL)	(ug/L)				<i>400</i>	2,000	<2.63	<2.63	<2.63	<1.5	<2.63	<2.63	<2.63	<1.5	<2.63
Naphthalene	(ug/L)				<i>10</i>	100	<0.89	<0.89	<0.89	<2.5	<0.89	<0.89	<0.89	<2.5	<0.89
MTBE	(ug/L)				<i>12</i>	60	<0.61	<0.61	<0.61	<0.17	<0.61	<0.61	<0.61	<0.17	--
1,2,4-Trimethylbenzene	(ug/L)				NS	NS	<0.97	<0.97	<0.97	<0.50	<0.97	<0.97	<0.97	<0.50	<0.97
1,3,5-Trimethylbenzene	(ug/L)				NS	NS	<0.83	<0.83	<0.83	<0.50	<0.83	<0.83	<0.83	<0.50	<0.83
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)				<i>96</i>	480	<1.80	<1.8	<1.8	<1.0	<1.80	<1.8	<1.8	<1.0	<1.8
Tetrachloroethene (PCE)	(ug/L)				<i>0.5</i>	5	<0.45	<0.45	<0.45	<0.50	<0.45	<0.45	<0.45	<0.50	<0.45
Trichloroethene (TCE)	(ug/L)				<i>0.5</i>	5	<0.48	<0.48	<0.48	<0.33	<0.48	<0.48	<0.48	<0.33	<0.48
cis-1,2-Dichloroethene	(ug/L)				<i>7</i>	70	<0.83	<0.83	<0.83	<0.26	<0.83	<0.83	<0.83	<0.26	<0.83
trans-1,2-Dichloroethene	(ug/L)				<i>20</i>	100	<0.89	<0.89	<0.89	<0.26	<0.89	<0.89	<0.89	<0.26	--
Vinyl Chloride	(ug/L)				<i>0.02</i>	0.2	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	--
Methylene Chloride	(ug/L)				<i>0.5</i>	5	<0.43	<0.43	<0.43	<0.23	<0.43	<0.43	<0.43	<0.23	--
Bromobenzene	(ug/L)				NS	NS	<0.82	<0.82	<0.82	<0.23	<0.82	<0.82	<0.82	<0.23	--
Bromochloromethane	(ug/L)				NS	NS	<0.97	<0.97	<0.97	<0.34	<0.97	<0.97	<0.97	<0.34	--
Bromodichloromethane	(ug/L)				<i>0.06</i>	0.6	<0.56	<0.56	<0.56	<0.50	<0.56	<0.56	<0.56	<0.50	--
Bromoform	(ug/L)				<i>0.44</i>	4.4	<0.94	<0.94	<0.94	<0.50	<0.94	<0.94	<0.94	<0.50	--
Bromomethane	(ug/L)				<i>1</i>	10	<0.91	<0.91	<0.91	<2.4	<0.91	<0.91	<0.91	<2.4	--
n-Butylbenzene	(ug/L)				NS	NS	<0.93	<0.93	<0.93	<0.50	<0.93	<0.93	<0.93	<0.50	<0.93
sec-Butylbenzene	(ug/L)				NS	NS	<0.89	<0.89	<0.89	<2.2	<0.89	<0.89	<0.89	<2.2	<0.89
tert-Butylbenzene	(ug/L)				NS	NS	<0.97	<0.97	<0.97	<0.18	<0.97	<0.97	<0.97	<0.18	--
Carbon Tetrachloride	(ug/L)				<i>0.5</i>	5	<0.49	<0.49	<0.49	<0.50	<0.49	<0.49	<0.49	<0.50	--
Chlorobenzene	(ug/L)				NS	NS	<0.41	<0.41	<0.41	<0.50	<0.41	<0.41	<0.41	<0.50	--
Chloroethane	(ug/L)				<i>80</i>	400	<0.97	<0.97	<0.97	<0.37	<0.97	<0.97	<0.97	<0.37	--
Chloroform	(ug/L)				<i>0.6</i>	6	<1.3	<1.3	<1.3	<2.5	<1.3	<1.3	<1.3	<2.5	--
Chloromethane	(ug/L)				<i>3</i>	30	0.33 J	<0.24	<0.24	<0.50	0.32 J	<0.24	<0.24	<0.50	--
2-Chlorotoluene	(ug/L)				NS	NS	<0.85	<0.85	<0.85	<0.50	<0.85	<0.85	<0.85	<0.50	--
4-Chlorotoluene	(ug/L)				NS	NS	<0.74	<0.74	<0.74	<0.21	<0.74	<0.74	<0.74	<0.21	--
1,2-Dibromo-3-chloropropane	(ug/L)				<i>0.02</i>	0.2	<1.7	<1.7	<1.7	<2.2	<1.7	<1.7	<1.7	<2.2	--
Dibromochloromethane	(ug/L)				<i>6</i>	60	<0.81	<0.81	<0.81	<0.50	<0.81	<0.81	<0.81	<0.50	--
1,2-Dibromoethane (EDB)	(ug/L)				<i>0.005</i>	0.05	<0.56	<0.56	<0.56	<0.18	<0.56	<0.56	<0.56	<0.18	--
Dibromomethane	(ug/L)				NS	NS	<0.60	<0.60	<0.60	<0.43	<0.60	<0.60	<0.60	<0.43	--
1,2-Dichlorobenzene	(ug/L)				<i>60</i>	600	<0.83	<0.83	<0.83	<0.50	<0.83	<0.83	<0.83	<0.50	--
1,3-Dichlorobenzene	(ug/L)				<i>120</i>	600	<0.87	<0.87	<0.87	<0.50	<0.87	<0.87	<0.87	<0.50	--
1,4-Dichlorobenzene	(ug/L)				<i>15</i>	75	<0.95	<0.95	<0.95	<0.50	<0.95	<0.95	<0.95	<0.50	--
Dichlorodifluoromethane	(ug/L)				<i>200</i>	1,000	<0.99	<0.99	<0.99	<0.22	<0.99	<0.99	<0.99	<0.22	--
1,1-Dichloroethane	(ug/L)				<i>85</i>	850	<0.75	<0.75	<0.75	<0.24	<0.75	<0.75	<0.75	<0.24	--
1,2-Dichloroethane	(ug/L)				<i>0.5</i>	5	<0.36	<0.36	<0.36	<0.17	<0.36	<0.36	<0.36	<0.17	--
1,1-Dichloroethene	(ug/L)				<i>0.7</i>	7	<0.57	<0.57	<0.57	<0.41	<0.57	<0.57	<0.57	<0.41	--
1,2-Dichloropropane	(ug/L)				<i>0.5</i>	5	<0.49	<0.49	<0.49	<0.23	<0.49	<0.49	<0.49	<0.23	--
1,3-Dichloropropane	(ug/L)				NS	NS	<0.61	<0.61	<0.61	<0.50	<0.61	<0.61	<0.61	<0.50	--
2,2-Dichloropropane	(ug/L)				NS	NS	<0.62	<0.62	<0.62	<0.48	<0.62	<0.62	<0.62	<0.48	--
1,1-Dichloropropene	(ug/L)				NS	NS	<0.75	<0.75	<0.75	<0.44	<0.75	<0.75	<0.75	<0.44	--
cis-1,3-Dichloropropene	(ug/L)				<i>0.04</i>	0.4	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.20	<0.50	--
trans-1,3Dichloropropene	(ug/L)				<i>0.04</i>	0.4	<0.19	<0.19	<0.19	<0.23	<0.19	<0.19	<0.19	<0.23	--
Diisopropyl ether	(ug/L)				NS	NS	<0.76	<0.76	<0.76	<0.50	<0.76	<0.76	<0.76	<0.50	--
Hexachloro-1,3-butadiene	(ug/L)				NS	NS	<0.67	<0.67	<0.67	<2.1	<0.67	<0.67	<0.67	<2.1	--
Isopropylbenzene	(ug/L)				NS	NS	<0.59	<0.59	<0.59	<0.14	<0.59	<0.59	<0.59	<0.14	<0.59
p-Isopropyltoluene	(ug/L)				NS	NS	<0.67	<0.67	<0.67	<0.50	<0.67	<0.67	<0.67	<0.50	<0.67
n-Propylbenzene	(ug/L)				NS	NS	<0.81	<0.81	<0.81	<0.50	<0.81	<0.81	<0.81	<0.50	<0.81
Styrene	(ug/L)				<i>10</i>	100	<0.86	<0.86	<0.86	<0.50	<0.86	<0.86	<0.86	<0.50	--
1,1,1,2-Tetrachloroethane	(ug/L)				<i>7</i>	70	<0.92	<0.92	<0.92	<0.18	<0.92	<0.92	<0.92	<0.18	--
1,1,2,2-Tetrachloroethane	(ug/L)				<i>0.02</i>	0.2	<0.20	<0.20	<0.20	<0.25	<0.20	<0.20	<0.20	<0.25	--
1,2,3-Trichlorobenzene	(ug/L)				NS	NS	<0.74	<0.74	<0.74	<2.1	<0.74	<0.74	<0.74	<2.1	--
1,2,4-Trichlorobenzene	(ug/L)				<i>14</i>	70	<0.97	<0.97	<0.97	<2.2	<0.97	<0.97	<0.97	<2.2	--
1,1,1-Trichloroethane	(ug/L)				<i>40</i>	200	<0.90	<0.90	<0.90	<0.50	<0.90	<0.90	<0.90	<0.50	--
1,1,2-Trichloroethane	(ug/L)				<i>0.5</i>	5	<0.42	<0.42	<0.42	<0.20	<0.42	<0.42	<0.42	<0.20	--
Trichlorofluoromethane	(ug/L)				NS	NS	<0.79	<0.79	<0.79	<0.18	<0.79	<0.79	<0.79	<0.18	--
1,2,3-Trichloropropane	(ug/L)				<i>12</i>	60	<0.99	<0.99	<0.99	<0.50	<0.99	<0.99	<0.99	<0.50	--

Notes:
 NS = No standard established
 -- = Not analyzed or reported in historical data
 ND = No Detect

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

** = Phase II Investigation at 6734 W. North Ave

Table A.1.a
 Groundwater Analytical Table - VOC
 Wauwatosa Laundry Dry Cleaner
 6726 W. North Ave., Wauwatosa, WI
 BRRTS# 02-41-552235

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-2**	MW-3**	MW-4**	MW-5R**	MW-6**	MW-8**	MW-10**	MW-14**	
Date				5/20/11	5/20/11	5/20/11	5/20/11	5/20/11	5/20/11	5/20/11	5/20/11	5/20/11
Groundwater Elevation				--	--	--	--	--	--	--	--	--
Notes				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Benzene	(ug/L)	0.5	5	<0.41	<0.41	2,290	1,540	882	<0.41	1,250	<10.2	
Ethylbenzene	(ug/L)	140	700	<0.54	<0.54	2,360	3,320	17.7	<0.54	2,330	<13.5	
Toluene	(ug/L)	160	800	<0.67	<0.67	1,560	40.7	11	<0.67	40.2	<16.8	
m&p-Xylene	(ug/L)	NS	NS	<1.8	<1.8	6,770	3,360	34.6	<1.8	423	<45.0	
o-Xylene	(ug/L)	NS	NS	<0.83	<0.83	2,530	<33.2	<8.3	<0.83	<16.6	<20.8	
Xylenes (TOTAL)	(ug/L)	400	2,000	<2.63	<2.63	9,300	3,360	34.6	<2.63	423	<65.8	
Naphthalene	(ug/L)	10	100	<0.89	<0.89	349	553	<8.9	<0.89	208	<22.2	
MTBE	(ug/L)	12	60	--	--	--	--	--	--	--	--	
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.97	<0.97	1,750	6,030	<9.7	<0.97	134	<24.2	
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.83	<0.83	459	2,310	<8.3	<0.83	111	<20.8	
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	<1.8	<1.8	2,209	8,340	<18.0	<1.8	245	<45	
Tetrachloroethene (PCE)	(ug/L)	0.5	5	<0.45	<0.45	<11.2	<18.0	<4.5	146	<9.0	2,080	
Trichloroethene (TCE)	(ug/L)	0.5	5	<0.48	<0.48	<12.0	<19.2	<4.8	4.0	<9.6	18.3 J	
cis-1,2-Dichloroethene	(ug/L)	7	70	<0.83	<0.83	<20.8	<33.2	<8.3	7.2	<16.6	<20.8	
trans-1,2-Dichloroethene	(ug/L)	20	100	--	--	--	--	--	--	--	--	
Vinyl Chloride	(ug/L)	0.02	0.2	--	--	--	--	--	--	--	--	
Methylene Chloride	(ug/L)	0.5	5	--	--	--	--	--	--	--	--	
Bromobenzene	(ug/L)	NS	NS	--	--	--	--	--	--	--	--	
Bromochloromethane	(ug/L)	NS	NS	--	--	--	--	--	--	--	--	
Bromodichloromethane	(ug/L)	0.06	0.6	--	--	--	--	--	--	--	--	
Bromoform	(ug/L)	0.44	4.4	--	--	--	--	--	--	--	--	
Bromomethane	(ug/L)	1	10	--	--	--	--	--	--	--	--	
n-Butylbenzene	(ug/L)	NS	NS	<0.93	<0.93	<23.2	<37.2	<9.3	<0.93	35.2	<23.2	
sec-Butylbenzene	(ug/L)	NS	NS	<0.89	<0.89	<22.2	197 J	<8.9	<0.89	<17.8	<22.2	
tert-Butylbenzene	(ug/L)	NS	NS	--	--	--	--	--	--	--	--	
Carbon Tetrachloride	(ug/L)	0.5	5	--	--	--	--	--	--	--	--	
Chlorobenzene	(ug/L)	NS	NS	--	--	--	--	--	--	--	--	
Chloroethane	(ug/L)	80	400	--	--	--	--	--	--	--	--	
Chloroform	(ug/L)	0.6	6	--	--	--	--	--	--	--	--	
Chloromethane	(ug/L)	3	30	--	--	--	--	--	--	--	--	
2-Chlorotoluene	(ug/L)	NS	NS	--	--	--	--	--	--	--	--	
4-Chlorotoluene	(ug/L)	NS	NS	--	--	--	--	--	--	--	--	
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	--	--	--	--	--	--	--	--	
Dibromochloromethane	(ug/L)	6	60	--	--	--	--	--	--	--	--	
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	--	--	--	--	--	--	--	--	
Dibromomethane	(ug/L)	NS	NS	--	--	--	--	--	--	--	--	
1,2-Dichlorobenzene	(ug/L)	60	600	--	--	--	--	--	--	--	--	
1,3-Dichlorobenzene	(ug/L)	120	600	--	--	--	--	--	--	--	--	
1,4-Dichlorobenzene	(ug/L)	15	75	--	--	--	--	--	--	--	--	
Dichlorodifluoromethane	(ug/L)	200	1,000	--	--	--	--	--	--	--	--	
1,1-Dichloroethane	(ug/L)	85	850	--	--	--	--	--	--	--	--	
1,2-Dichloroethane	(ug/L)	0.5	5	--	--	--	--	--	--	--	--	
1,1-Dichloroethene	(ug/L)	0.7	7	--	--	--	--	--	--	--	--	
1,2-Dichloropropane	(ug/L)	0.5	5	--	--	--	--	--	--	--	--	
1,3-Dichloropropane	(ug/L)	NS	NS	--	--	--	--	--	--	--	--	
2,2-Dichloropropane	(ug/L)	NS	NS	--	--	--	--	--	--	--	--	
1,1-Dichloropropene	(ug/L)	NS	NS	--	--	--	--	--	--	--	--	
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	--	--	--	--	--	--	--	--	
trans-1,3Dichloropropene	(ug/L)	0.04	0.4	--	--	--	--	--	--	--	--	
Diisopropyl ether	(ug/L)	NS	NS	--	--	--	--	--	--	--	--	
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	--	--	--	--	--	--	--	--	
Isopropylbenzene	(ug/L)	NS	NS	<0.59	<0.59	76.8	770	30.9	<0.59	97	<14.8	
p-Isopropyltoluene	(ug/L)	NS	NS	<0.67	<0.67	<16.8	128	<6.7	<0.67	<13.4	<16.8	
n-Propylbenzene	(ug/L)	NS	NS	<0.81	<0.81	247	2,730	55.4	<0.81	323	<20.2	
Styrene	(ug/L)	10	100	--	--	--	--	--	--	--	--	
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	--	--	--	--	--	--	--	--	
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	--	--	--	--	--	--	--	--	
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	--	--	--	--	--	--	--	--	
1,2,4-Trichlorobenzene	(ug/L)	14	70	--	--	--	--	--	--	--	--	
1,1,1-Trichlorethane	(ug/L)	40	200	--	--	--	--	--	--	--	--	
1,1,2-Trichlorethane	(ug/L)	0.5	5	--	--	--	--	--	--	--	--	
Trichlorofluoromethane	(ug/L)	NS	NS	--	--	--	--	--	--	--	--	
1,2,3-Trichloropropane	(ug/L)	12	60	--	--	--	--	--	--	--	--	

Notes:
 NS = No standard established
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ITALICS indicates exceedance of NR 140.10 Preventive Action Limit
BOLD indicates exceedance of NR 140.10 Enforcement Standard

** = Phase II Investigation at 6734 W. North Ave

Table A.1.a
 Groundwater Analytical Table - VOC
 Wauwatosa Laundry Dry Cleaner
 6726 W. North Ave., Wauwatosa, WI
 BRRTS# 02-41-552235

Sample ID		NR 140.10 Preventive Action Limit	NR 140.10 Enforcement Standard	MW-15**	MW-9		MW-10		MW-11	Trip Blank			
Date				5/20/11	1/12/10	8/17/11	1/12/10	8/17/11	8/17/11	5/20/11	8/17/11	12/21/11	10/11/16
Groundwater Elevation				--	--	--	--	--	--	--	--	--	--
Notes				Grab	Speedway Wells		Speedway Wells		Speedway Wells				
Benzene	(ug/L)	0.5	5	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.50
Ethylbenzene	(ug/L)	140	700	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.50
Toluene	(ug/L)	160	800	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.50
m&p-Xylene	(ug/L)	NS	NS	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.0
o-Xylene	(ug/L)	NS	NS	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.5
Xylenes (TOTAL)	(ug/L)	400	2,000	<2.63	<2.63	<2.63	<2.63	<2.63	<2.63	<2.63	<2.63	<2.63	<1.5
Naphthalene	(ug/L)	10	100	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<2.5
MTBE	(ug/L)	12	60	--	<0.61	<0.61	<0.61	<0.61	<0.61	--	<0.61	<0.61	<0.17
1,2,4-Trimethylbenzene	(ug/L)	NS	NS	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.50
1,3,5-Trimethylbenzene	(ug/L)	NS	NS	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.50
Trimethylbenzene Total (1,2,4- & 1,3,5-)	(ug/L)	96	480	<1.8	<1.80	<1.80	<1.80	<1.8	<1.8	<1.8	<1.8	<1.8	<1.0
Tetrachloroethene (PCE)	(ug/L)	0.5	5	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.50
Trichloroethene (TCE)	(ug/L)	0.5	5	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.33
cis-1,2-Dichloroethene	(ug/L)	7	70	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.26
trans-1,2-Dichloroethene	(ug/L)	20	100	--	<0.89	<0.89	<0.89	<0.89	<0.89	--	<0.89	<0.89	<0.26
Vinyl Chloride	(ug/L)	0.02	0.2	--	<0.18	<0.18	<0.18	<0.18	<0.18	--	<0.18	<0.18	<0.18
Methylene Chloride	(ug/L)	0.5	5	--	<0.43	<0.43	<0.43	<0.43	<0.43	--	<0.43	1.4	<0.23
Bromobenzene	(ug/L)	NS	NS	--	<0.82	<0.82	<0.82	<0.82	<0.82	--	<0.82	<0.82	<0.23
Bromochloromethane	(ug/L)	NS	NS	--	<0.97	<0.97	<0.97	<0.97	<0.97	--	<0.97	<0.97	<0.34
Bromodichloromethane	(ug/L)	0.06	0.6	--	<0.56	<0.56	<0.56	<0.56	<0.56	--	<0.56	<0.56	<0.50
Bromoform	(ug/L)	0.44	4.4	--	<0.94	<0.94	<0.94	<0.94	<0.94	--	<0.94	<0.94	<0.50
Bromomethane	(ug/L)	1	10	--	<0.91	<0.91	<0.91	<0.91	<0.91	--	<0.91	<0.91	<2.4
n-Butylbenzene	(ug/L)	NS	NS	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.93	<0.50
sec-Butylbenzene	(ug/L)	NS	NS	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<0.89	<2.2
tert-Butylbenzene	(ug/L)	NS	NS	--	<0.97	<0.97	<0.97	<0.97	<0.97	--	<0.97	<0.97	<0.18
Carbon Tetrachloride	(ug/L)	0.5	5	--	<0.49	<0.49	<0.49	<0.49	<0.49	--	<0.49	<0.49	<0.50
Chlorobenzene	(ug/L)	NS	NS	--	<0.41	<0.41	<0.41	<0.41	<0.41	--	<0.41	<0.41	<0.50
Chloroethane	(ug/L)	80	400	--	<0.97	<0.97	<0.97	<0.97	<0.97	--	<0.97	<0.97	<0.37
Chloroform	(ug/L)	0.6	6	--	<1.3	<1.3	<1.3	<1.3	<1.3	--	<1.3	<1.3	<2.5
Chloromethane	(ug/L)	3	30	--	<0.24	<0.24	<0.24	<0.24	<0.24	--	<0.24	<0.24	<0.50
2-Chlorotoluene	(ug/L)	NS	NS	--	<0.85	<0.85	<0.85	<0.85	<0.85	--	<0.85	<0.85	<0.50
4-Chlorotoluene	(ug/L)	NS	NS	--	<0.74	<0.74	<0.74	<0.74	<0.74	--	<0.74	<0.74	<0.21
1,2-Dibromo-3-chloropropane	(ug/L)	0.02	0.2	--	<1.7	<1.7	<1.7	<1.7	<1.7	--	<1.7	<1.7	<2.2
Dibromochloromethane	(ug/L)	6	60	--	<0.81	<0.81	<0.81	<0.81	<0.81	--	<0.81	<0.81	<0.50
1,2-Dibromoethane (EDB)	(ug/L)	0.005	0.05	--	<0.56	<0.56	<0.56	<0.56	<0.56	--	<0.56	<0.56	<0.18
Dibromomethane	(ug/L)	NS	NS	--	<0.60	<0.60	<0.60	<0.60	<0.60	--	<0.60	<0.60	<0.43
1,2-Dichlorobenzene	(ug/L)	60	600	--	<0.83	<0.83	<0.83	<0.83	<0.83	--	<0.83	<0.83	<0.50
1,3-Dichlorobenzene	(ug/L)	120	600	--	<0.87	<0.87	<0.87	<0.87	<0.87	--	<0.87	<0.87	<0.50
1,4-Dichlorobenzene	(ug/L)	15	75	--	<0.95	<0.95	<0.95	<0.95	<0.95	--	<0.95	<0.95	<0.50
Dichlorodifluoromethane	(ug/L)	200	1,000	--	<0.99	<0.99	<0.99	<0.99	<0.99	--	<0.99	<0.99	<0.22
1,1-Dichloroethane	(ug/L)	85	850	--	<0.75	<0.75	<0.75	<0.75	<0.75	--	<0.75	<0.75	<0.24
1,2-Dichloroethane	(ug/L)	0.5	5	--	<0.36	<0.36	<0.36	<0.36	<0.36	--	<0.36	<0.36	<0.17
1,1-Dichloroethene	(ug/L)	0.7	7	--	<0.57	<0.57	<0.57	<0.57	<0.57	--	<0.57	<0.57	<0.41
1,2-Dichloropropane	(ug/L)	0.5	5	--	<0.49	<0.49	<0.49	<0.49	<0.49	--	<0.49	<0.49	<0.23
1,3-Dichloropropane	(ug/L)	NS	NS	--	<0.61	<0.61	<0.61	<0.61	<0.61	--	<0.61	<0.61	<0.50
2,2-Dichloropropane	(ug/L)	NS	NS	--	<0.62	<0.62	<0.62	<0.62	<0.62	--	<0.62	<0.62	<0.48
1,1-Dichloropropene	(ug/L)	NS	NS	--	<0.75	<0.75	<0.75	<0.75	<0.75	--	<0.75	<0.75	<0.44
cis-1,3-Dichloropropene	(ug/L)	0.04	0.4	--	<0.20	<0.20	<0.20	<0.20	<0.20	--	<0.20	<0.20	<0.50
trans-1,3Dichloropropene	(ug/L)	0.04	0.4	--	<0.19	<0.19	<0.19	<0.19	<0.19	--	<0.19	<0.19	<0.23
Diisopropyl ether	(ug/L)	NS	NS	--	<0.76	<0.76	<0.76	<0.76	<0.76	--	<0.76	<0.76	<0.50
Hexachloro-1,3-butadiene	(ug/L)	NS	NS	--	<0.67	<0.67	<0.67	<0.67	<0.67	--	<0.67	<0.67	<2.1
Isopropylbenzene	(ug/L)	NS	NS	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.59	<0.14
p-Isopropyltoluene	(ug/L)	NS	NS	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.50
n-Propylbenzene	(ug/L)	NS	NS	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.81	<0.50
Styrene	(ug/L)	10	100	--	<0.86	<0.86	<0.86	<0.86	<0.86	--	<0.86	<0.86	<0.50
1,1,1,2-Tetrachloroethane	(ug/L)	7	70	--	<0.92	<0.92	<0.92	<0.92	<0.92	--	<0.92	<0.92	<0.18
1,1,2,2-Tetrachloroethane	(ug/L)	0.02	0.2	--	<0.20	<0.20	<0.20	<0.20	<0.20	--	<0.20	<0.20	<0.25
1,2,3-Trichlorobenzene	(ug/L)	NS	NS	--	<0.74	<0.74	<0.74	<0.74	<0.74	--	<0.74	<0.74	<2.1
1,2,4-Trichlorobenzene	(ug/L)	14	70	--	<0.97	<0.97	<0.97	<0.97	<0.97	--	<0.97	<0.97	<2.2
1,1,1-Trichloroethane	(ug/L)	40	200	--	<0.90	<0.90	<0.90	<0.90	<0.90	--	<0.90	<0.90	<0.50
1,1,2-Trichloroethane	(ug/L)	0.5	5	--	<0.42	<0.42	<0.42	<0.42	<0.42	--	<0.42	<0.42	<0.20
Trichlorofluoromethane	(ug/L)	NS	NS	--	<0.79	<0.79	<0.79	<0.79	<0.79	--	<0.79	<0.79	<0.18
1,2,3-Trichloropropane	(ug/L)	12	60	--	<0.99	<0.99	<0.99	<0.99	<0.99	--	<0.99	<0.99	<0.50

Notes:
 NS = No standard established
 -- = Not analyzed or reported in historical data
 ND = No Detect

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

** = Phase II Investigation at 6734 W. North Ave

Table A.2.a
Soil Analytical Results Table - VOCs
Wauwatosa Laundry Dry Cleaner
6726 W. North Ave., Wauwatosa, WI
BRRTS# 02-41-552235

Wauwatosa Cleaners Site, 6726 W. North Avenue																						
Sample ID		Groundwater Pathway RCL (ug/kg)	Industrial Direct-Contact (0-4') RCL (ug/kg)	Non-Industrial Direct-Contact (0-4') RCL (ug/kg)	B-1	B-2	GP-3	GP-4		GP-5		TW-6 / GP-6		TW-7	MW-101	PZ-102						
Date	Depth	Description	DEPTH to Seasonal Low Water Table (ft BGS)	Saturated (S) or Unsaturated (U)	PID Reading	Soil Remaining	Notes															
								7/8/08	7/8/08	1/12/10	1/12/10	1/12/10	1/12/10	1/12/10	1/12/10	1/12/10	3/7/11					
								5'	5'	6-8'	6-8'	12-16'	6-8'	15-16'	6-8'	12-16'	6-8'	12-16'	1-2'	2-4'	30-32'	
								--	--	silty clay	silty clay / sand	sand	sandy silt	silty clay	clay / sandy clay	silty clay	silty clay	silty clay	silty clay	silty clay	silty clay	
								--	--	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	
								--	--	U	U	S	U	S	U	S	U	S	U	U	S	
								--	--	75.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	0.0
								--	--	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Benzene	(ug/kg)	5.12	7,070	1,600	ND	ND	1,370	<25.0	<25.0	<25.0	<25.0	<25.0	<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	35,400	8,020	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Toluene	(ug/kg)	1,107	818,000	818,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
m&p-Xylene	(ug/kg)	NS	778,000	778,000	ND	ND		<50.0	<50.0	<50.0	<50.0	<50.0	<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	434,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Xylenes (TOTAL)	(ug/kg)	3,960	260,000	260,000	ND	ND		<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0
Naphthalene	(ug/kg)	658	24,100	5,520	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
MTBE	(ug/kg)	27	282,000	63,800	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trimethylbenzene	(ug/kg)	NS	219,000	219,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	101
1,3,5-Trimethylbenzene	(ug/kg)	NS	182,000	182,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<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)	1,382	NS	NS	ND	ND		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	101
Tetrachloroethene (PCE)	(ug/kg)	4.50	145,000	33,000	23,000	79,500		<25.0	40.4 J	132	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1,696	2,016	<25.0	<25.0
Trichloroethene (TCE)	(ug/kg)	3.60	8,410	1,300	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,2-Dichloroethene	(ug/kg)	47.2	2,340,000	156,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,2-Dichloroethene	(ug/kg)	62.6	1,860,000	1,560,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Vinyl Chloride	(ug/kg)	0.1	2,080	67	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Methylene Chloride	(ug/kg)	2.6	1,150,000	61,800	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromobenzene	(ug/kg)	NS	679,000	342,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromochloromethane	(ug/kg)	NS	906,000	216,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromodichloromethane	(ug/kg)	0.3	1,830	418	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromoform	(ug/kg)	2.3	113,000	25,400	ND	ND		<25.9	<25.9	<25.9	<25.9	<25.9	<25.9	<25.9	<25.9	<25.9	<25.9	<25.9	<25.9	<25.9	<25.9	<25.9
Bromomethane	(ug/kg)	5.7	43,000	9,600	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
n-Butylbenzene	(ug/kg)	NS	108,000	108,000	ND	ND		<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4
sec-Butylbenzene	(ug/kg)	NS	145,000	145,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<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	183,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Carbon Tetrachloride	(ug/kg)	3.9	4,030	916	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chlorobenzene	(ug/kg)	NS	761,000	370,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<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)	226.6	2,121,000	2,120,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chloroform	(ug/kg)	3.3	1,980	454	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chloromethane	(ug/kg)	15.5	669,000	159,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<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	907,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<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	253,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<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)	0.2	92	8	ND	ND		<82.3	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3
Dibromochloromethane	(ug/kg)	32	38,900	8,280	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<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	221	50	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dibromomethane	(ug/kg)	NS	143,000	34,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<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)	1,168	376,000	376,000	ND	ND		<44.4	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4
1,3-Dichlorobenzene	(ug/kg)	1,152.6	297,000	297,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<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	16,400	3,740	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dichlorodifluoromethane	(ug/kg)	3,086.3	530,000	126,000	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<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	22,200	5,060	ND	ND		<25.0	<25.0	<25.0	<25.0	<25.0	<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)	2.8	2,870	652	ND	ND		<25.0	<25.0	<25.0	<2											

Table A.2.a
 Soil Analytical Results Table - VOCs
 Wauwatosa Laundry Dry Cleaner
 6726 W. North Ave., Wauwatosa, WI
 BRRTS# 02-41-552235

Phase II Investigation at 6734 W. North Avenue																	
Sample ID		Groundwater Pathway RCL (ug/kg)	Industrial Direct-Contact (0-4') RCL (ug/kg)	Non-Industrial Direct-Contact (0-4') RCL (ug/kg)	SB-1	SB-2	SB-4		SB-5R	SB-6		SB-8		SB-10		SB-14	
Date	Depth				5/19/11	5/19/11	5/19/11		5/19/11	5/19/11		5/19/11		5/19/11		5/19/11	
Description					6-7'	6-7'	6-7'	8-9'	8-9'	1-2'	8-9'	0.5-1'	6-7'	5-6'	8-9'	1-2'	6-7'
DEPTH to Seasonal Low Water Table (ft BGS)					8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'	8'
Saturated (S) or Unsaturated (U)					U	U	U	S	S	U	S	U	U	U	S	U	U
PID Reading					0.0	0.0	0.0	24.4	14.6	0.8	0.0	0.8	1.1	11.6	31.1	2.1	0.0
Soil Remaining					yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Notes																	
Benzene (ug/kg)	5.12	7,070	1,600	<25.0	<25.0	323	295	330	<25.0	<25.0	<25.0	<25.0	<125	<25.0	<25.0	<25.0	<25.0
Ethylbenzene (ug/kg)	1,570	35,400	8,020	<25.0	<25.0	2,250	3,670	179	<25.0	<25.0	<25.0	<25.0	<125	<25.0	<25.0	<25.0	<25.0
Toluene (ug/kg)	1,107	818,000	818,000	<25.0	<25.0	671	373	30.9 J	<25.0	<25.0	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0
m&p-Xylene (ug/kg)	NS	778,000	778,000	<50.0	<50.0	5,390	8,830	380	<50.0	364	<50.0	<250	<50.0	<50.0	<50.0	<50.0	<50.0
o-Xylene (ug/kg)	NS	434,000	434,000	<25.0	<25.0	996	1,950	40.9 J	<25.0	88.9	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0
Xylenes (TOTAL) (ug/kg)	3,960	260,000	260,000	<75.0	<75.0	6,386	10,780	420.9	<75.0	452.9	<75.0	<375	<75.0	<75.0	<75.0	<75.0	<75.0
Naphthalene (ug/kg)	658	24,100	5,520	<25.0	<25.0	<25.0	1,490	<26.9	<25.0	<25.0	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0
MTBE (ug/kg)	27	282,000	63,800	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trimethylbenzene (ug/kg)	NS	219,000	219,000	<25.0	<25.0	<25.0	9,850	95.5	<25.0	111	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene (ug/kg)	NS	182,000	182,000	<25.0	<25.0	711	2,950	135	<25.0	64.2	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0
Trimethylbenzene Total (1,2,4- & 1,3,5-) (ug/kg)	1,382	NS	NS	<50.0	<50.0	711	12,800	230.5	<50.0	175.2	<50.0	<250	<50.0	<50.0	<50.0	<50.0	<50.0
Tetrachloroethene (PCE) (ug/kg)	4.50	145,000	33,000	<25.0	42.8 J	<25.0	<50.0	<26.9	<25.0	<25.0	824	39,700	<25.0	<25.0	115	<25.0	<25.0
Trichloroethene (TCE) (ug/kg)	3.60	8,410	1,300	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	172 J	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,2-Dichloroethene (ug/kg)	47.2	2,340,000	156,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,2-Dichloroethene (ug/kg)	62.6	1,860,000	1,560,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0
Vinyl Chloride (ug/kg)	0.1	2,080	67	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0
Methylene Chloride (ug/kg)	2.6	1,150,000	61,800	<25.0	<25.0	<25.0	<50.0	46.3 J	<25.0	<25.0	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0
Bromobenzene (ug/kg)	NS	679,000	342,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
Bromochloromethane (ug/kg)	NS	906,000	216,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
Bromodichloromethane (ug/kg)	0.3	1,830	418	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
Bromoform (ug/kg)	2.3	113,000	25,400	<25.0	<25.0	<25.0	<50.0	<27.8	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
Bromomethane (ug/kg)	5.1	43,000	9,600	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
n-Butylbenzene (ug/kg)	NS	108,000	108,000	<40.4	<40.4	<40.4	<80.8	1,240	<40.4	<40.4	<40.4	<202	<40.4	<40.4	<40.4	<40.4	<40.4
sec-Butylbenzene (ug/kg)	NS	145,000	145,000	<25.0	<25.0	47.8 J	249	418	<25.0	<25.0	<25.0	<125	<25.0	<25.0	<25.0	<25.0	<25.0
tert-Butylbenzene (ug/kg)	NS	183,000	183,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
Carbon Tetrachloride (ug/kg)	3.9	4,030	916	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
Chlorobenzene (ug/kg)	NS	761,000	370,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
Chloroethane (ethyl chloride) (ug/kg)	226.6	2,121,000	2,120,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
Chloroform (ug/kg)	3.3	1,980	454	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
Chloromethane (ug/kg)	15.5	669,000	159,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
2-Chlorotoluene (ug/kg)	NS	907,000	907,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
4-Chlorotoluene (ug/kg)	NS	253,000	253,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromo-3-chloropropane (ug/kg)	0.2	92	8	<82.3	<82.3	<82.3	<165	<88.5	<82.3	<82.3	<82.3	--	<82.3	<82.3	<82.3	<82.3	<82.3
Dibromochloromethane (ug/kg)	32	38,900	8,280	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromoethane (EDB) (ug/kg)	0.0282	221	50	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
Dibromomethane (ug/kg)	NS	143,000	34,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichlorobenzene (ug/kg)	1,168	376,000	376,000	<44.4	<44.4	<44.4	<88.8	<47.7	<44.4	<44.4	<44.4	--	<44.4	<44.4	<44.4	<44.4	<44.4
1,3-Dichlorobenzene (ug/kg)	1,152.8	297,000	297,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
1,4-Dichlorobenzene (ug/kg)	144	16,400	3,740	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
Dichlorodifluoromethane (ug/kg)	3,086.3	530,000	126,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethane (ug/kg)	483.4	22,200	5,060	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloroethane (ug/kg)	2.8	2,870	652	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethene (ug/kg)	5	1,190	320,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloropropane (ug/kg)	3.3	1,780	406	<25.0	<25.0	<25.0	<50.0	<26.9	<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	1,490,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
2,2-Dichloropropane (ug/kg)	NS	191,000	191,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloropropene (ug/kg)	NS	NS	NS	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,3-Dichloropropene (ug/kg)	0.3	1,220,000	1,220,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,3-Dichloropropene (ug/kg)	0.3	1,510,000	1,510,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
Diisopropyl ether (ug/kg)	NS	2,260,000	2,260,000	<25.0	<25.0	<25.0	<50.0	<26.9	<25.0	<25.0	<25.0	--	<25.0	<25.0	<25.0	<25.0	<25.0
Hexachloro-1,3-butadiene (ug/kg)	NS	7,450	1,630	<26.4	<26.4	<26.4	<52										

Table A.4
Vapor Analytical Table
Wauwatosa Laundry Cry Cleaner
6726 W. North Ave., Wauwatosa, WI
BRRTS# 02-41-552235

Sample ID		N- Non Carcinogen	WDNR / WDHFS SMALL COMMERCIAL Subslab	WDNR / WDHFS SMALL COMMERCIAL Indoor Air	WDNR / WDHFS LARGE COMMERCIAL/INDUSTRIAL Subslab	WDNR / WDHFS LARGE COMMERCIAL/INDUSTRIAL Indoor Air	WDNR / WDHFS Residential Subslab	WDNR / WDHFS Residential Indoor Air	VP-A	VP-B	VP-C	SV-7	SV-9	SV-11	SV-13							
Sample Date									3/25/2012	10/11/2016	10/11/2016	5/20/2011	5/20/2011	5/20/2011	5/20/2011							
Sample Location									West Wall of Building	Center of Building	Basement East	Adjacent Building West	Adjacent Building West	Adjacent Building West	Adjacent Building West							
Type of Sample									Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab							
Collection Method									Grab	Grab	Grab	Grab	Grab	Grab	Grab							
Time Period of Collection									30-min	30-min	30-min	30-min	30-min	30-min	30-min							
Analytical Method									TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15							
Method/Result Leak Detection									--	--	--	--	--	--	--							
Tetrachloroethene (PCE)	µg/m ³								N	<i>6,000</i>	180	<i>18,000</i>	180	<i>1,400</i>	42	57.8	4970	617	39.1	135	16.3	28.1
Trichloroethene (TCE)	µg/m ³								C	<i>290</i>	8.8	<i>880</i>	8.8	<i>70</i>	2.1	1.4	10.3	26.8	<0.74	4	1.6	3.6
cis-1,2 Dichloroethene	µg/m ³	N	NS	NS	NS	NS	NS	NS	<60.45	<0.45	<0.45	<1.1	<1.7	<1.1	<1.2							
trans-1,2 Dichloroethene	µg/m ³	N	NS	NS	NS	NS	NS	NS	NA	<0.70	<0.70	<1.1	<1.7	<1.1	<1.2							
Vinyl Chloride	µg/m ³	C	<i>930</i>	28	<i>2,800</i>	28	<i>57</i>	1.7	57.8	4970	617	39.1	135	16.3	28.1							

N = Noncarcinogen; C = Carcinogen

ITALICS : Exceeds **Subslab** Vapor Standard

BOLD Exceeds **Indoor Air** Standard

NS : No Standards

-- = Parameter not analyzed

NR = Parameter not reported

Standards based on U.S.EPA RSL Tables <http://www.epa.gov/reg3hwmd/risk/human/rb-concentration table/index.htm>

Small Commercial vs. Large Commercial/Industrial determined based on WDNR Publication RR-800

October 20, 2016

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

RE: Project: 14-1145 WAUWATOSA CLEANERS
Pace Project No.: 40139966

Dear Ken Ebbott:

Enclosed are the analytical results for sample(s) received by the laboratory on October 12, 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@pacelabs.com
Project Manager

Enclosures

cc: Megan Hansen, Fehr Graham Engineering and
Environmental



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

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

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SAMPLE SUMMARY

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40139966001	MW-101	Water	10/11/16 14:55	10/12/16 14:25
40139966002	PZ-102	Water	10/11/16 14:45	10/12/16 14:25
40139966003	TW-6	Water	10/11/16 13:40	10/12/16 14:25
40139966004	TW-7	Water	10/11/16 13:15	10/12/16 14:25
40139966005	MW-151	Water	10/11/16 15:00	10/12/16 14:25
40139966006	TB	Water	10/11/16 00:00	10/12/16 14:25

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SAMPLE ANALYTE COUNT

Project: 14-1145 WAUWATOSA CLEANERS
Pace Project No.: 40139966

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40139966001	MW-101	EPA 8260	HNW	64	PASI-G
40139966002	PZ-102	EPA 8260	HNW	64	PASI-G
40139966003	TW-6	EPA 8260	HNW	64	PASI-G
40139966004	TW-7	EPA 8260	HNW	64	PASI-G
40139966005	MW-151	EPA 8260	HNW	64	PASI-G
40139966006	TB	EPA 8260	SMT	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

Sample: MW-101 **Lab ID: 40139966001** Collected: 10/11/16 14:55 Received: 10/12/16 14:25 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 09:20	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/19/16 09:20	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/19/16 09:20	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/19/16 09:20	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/19/16 09:20	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/19/16 09:20	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/19/16 09:20	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/19/16 09:20	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/19/16 09:20	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/19/16 09:20	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/19/16 09:20	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/19/16 09:20	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/19/16 09:20	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/19/16 09:20	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/19/16 09:20	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/19/16 09:20	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/19/16 09:20	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/19/16 09:20	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/19/16 09:20	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/19/16 09:20	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/19/16 09:20	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/19/16 09:20	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/19/16 09:20	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/19/16 09:20	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/19/16 09:20	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/19/16 09:20	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/19/16 09:20	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/19/16 09:20	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

Sample: MW-101 **Lab ID: 40139966001** Collected: 10/11/16 14:55 Received: 10/12/16 14:25 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 09:20	79-34-5	
Tetrachloroethene	2.6	ug/L	1.0	0.50	1		10/19/16 09:20	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/19/16 09:20	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/19/16 09:20	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/19/16 09:20	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/19/16 09:20	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/19/16 09:20	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/19/16 09:20	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/19/16 09:20	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/19/16 09:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/19/16 09:20	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		10/19/16 09:20	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		10/19/16 09:20	2037-26-5	

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ANALYTICAL RESULTS

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

Sample: PZ-102 **Lab ID: 40139966002** Collected: 10/11/16 14:45 Received: 10/12/16 14:25 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 14:00	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/19/16 14:00	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/19/16 14:00	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/19/16 14:00	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/19/16 14:00	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/19/16 14:00	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/19/16 14:00	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/19/16 14:00	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/19/16 14:00	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/19/16 14:00	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/19/16 14:00	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/19/16 14:00	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/19/16 14:00	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/19/16 14:00	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/19/16 14:00	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/19/16 14:00	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/19/16 14:00	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/19/16 14:00	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/19/16 14:00	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/19/16 14:00	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/19/16 14:00	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/19/16 14:00	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/19/16 14:00	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/19/16 14:00	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/19/16 14:00	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/19/16 14:00	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/19/16 14:00	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/19/16 14:00	630-20-6	

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ANALYTICAL RESULTS

Project: 14-1145 WAUWATOSA CLEANERS
Pace Project No.: 40139966

Sample: PZ-102 **Lab ID: 40139966002** Collected: 10/11/16 14:45 Received: 10/12/16 14:25 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 14:00	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/19/16 14:00	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/19/16 14:00	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/19/16 14:00	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/19/16 14:00	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/19/16 14:00	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/19/16 14:00	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/19/16 14:00	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/19/16 14:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/19/16 14:00	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		10/19/16 14:00	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/19/16 14:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 14-1145 WAUWATOSA CLEANERS
Pace Project No.: 40139966

Sample: TW-6 **Lab ID: 40139966003** Collected: 10/11/16 13:40 Received: 10/12/16 14:25 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 11:29	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/19/16 11:29	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/19/16 11:29	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/19/16 11:29	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/19/16 11:29	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/19/16 11:29	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/19/16 11:29	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/19/16 11:29	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/19/16 11:29	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/19/16 11:29	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/19/16 11:29	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/19/16 11:29	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/19/16 11:29	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/19/16 11:29	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/19/16 11:29	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/19/16 11:29	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/19/16 11:29	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/19/16 11:29	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/19/16 11:29	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/19/16 11:29	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/19/16 11:29	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/19/16 11:29	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/19/16 11:29	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/19/16 11:29	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/19/16 11:29	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/19/16 11:29	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/19/16 11:29	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/19/16 11:29	630-20-6	

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ANALYTICAL RESULTS

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

Sample: TW-6 **Lab ID: 40139966003** Collected: 10/11/16 13:40 Received: 10/12/16 14:25 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 11:29	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/19/16 11:29	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/19/16 11:29	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/19/16 11:29	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/19/16 11:29	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/19/16 11:29	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/19/16 11:29	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/19/16 11:29	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/19/16 11:29	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		10/19/16 11:29	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/19/16 11:29	2037-26-5	

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ANALYTICAL RESULTS

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

Sample: TW-7 **Lab ID: 40139966004** Collected: 10/11/16 13:15 Received: 10/12/16 14:25 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 11:51	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/19/16 11:51	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/19/16 11:51	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/19/16 11:51	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/19/16 11:51	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/19/16 11:51	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/19/16 11:51	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/19/16 11:51	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/19/16 11:51	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/19/16 11:51	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/19/16 11:51	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/19/16 11:51	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/19/16 11:51	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/19/16 11:51	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/19/16 11:51	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/19/16 11:51	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/19/16 11:51	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/19/16 11:51	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/19/16 11:51	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/19/16 11:51	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/19/16 11:51	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/19/16 11:51	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/19/16 11:51	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/19/16 11:51	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/19/16 11:51	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/19/16 11:51	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/19/16 11:51	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/19/16 11:51	630-20-6	

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ANALYTICAL RESULTS

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

Sample: TW-7 **Lab ID: 40139966004** Collected: 10/11/16 13:15 Received: 10/12/16 14:25 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 11:51	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/19/16 11:51	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/19/16 11:51	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/19/16 11:51	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/19/16 11:51	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/19/16 11:51	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/19/16 11:51	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/19/16 11:51	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/19/16 11:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/19/16 11:51	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		10/19/16 11:51	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		10/19/16 11:51	2037-26-5	

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ANALYTICAL RESULTS

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

Sample: MW-151 **Lab ID: 40139966005** Collected: 10/11/16 15:00 Received: 10/12/16 14:25 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 12:12	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/19/16 12:12	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/19/16 12:12	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/19/16 12:12	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/19/16 12:12	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/19/16 12:12	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/19/16 12:12	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/19/16 12:12	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/19/16 12:12	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/19/16 12:12	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/19/16 12:12	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/19/16 12:12	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/19/16 12:12	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/19/16 12:12	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/19/16 12:12	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/19/16 12:12	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/19/16 12:12	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/19/16 12:12	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/19/16 12:12	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/19/16 12:12	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/19/16 12:12	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/19/16 12:12	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/19/16 12:12	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/19/16 12:12	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/19/16 12:12	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/19/16 12:12	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/19/16 12:12	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/19/16 12:12	630-20-6	

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ANALYTICAL RESULTS

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

Sample: MW-151 **Lab ID: 40139966005** Collected: 10/11/16 15:00 Received: 10/12/16 14:25 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 12:12	79-34-5	
Tetrachloroethene	2.5	ug/L	1.0	0.50	1		10/19/16 12:12	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/19/16 12:12	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/19/16 12:12	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/19/16 12:12	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/19/16 12:12	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/19/16 12:12	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/19/16 12:12	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/19/16 12:12	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/19/16 12:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/19/16 12:12	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		10/19/16 12:12	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		10/19/16 12:12	2037-26-5	

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ANALYTICAL RESULTS

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

Sample: TB **Lab ID: 40139966006** Collected: 10/11/16 00:00 Received: 10/12/16 14:25 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 19:09	71-43-2	L3
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/19/16 19:09	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/19/16 19:09	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/19/16 19:09	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/19/16 19:09	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/19/16 19:09	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/19/16 19:09	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/19/16 19:09	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/19/16 19:09	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/19/16 19:09	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/19/16 19:09	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/19/16 19:09	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/19/16 19:09	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/19/16 19:09	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/19/16 19:09	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/19/16 19:09	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/19/16 19:09	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/19/16 19:09	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/19/16 19:09	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/19/16 19:09	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/19/16 19:09	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/19/16 19:09	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/19/16 19:09	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/19/16 19:09	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/19/16 19:09	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/19/16 19:09	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/19/16 19:09	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/19/16 19:09	630-20-6	

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ANALYTICAL RESULTS

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

Sample: TB **Lab ID: 40139966006** Collected: 10/11/16 00:00 Received: 10/12/16 14:25 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 19:09	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/19/16 19:09	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/19/16 19:09	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/19/16 19:09	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/19/16 19:09	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/19/16 19:09	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/19/16 19:09	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/19/16 19:09	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/19/16 19:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		10/19/16 19:09	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		10/19/16 19:09	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		10/19/16 19:09	2037-26-5	

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QUALITY CONTROL DATA

Project: 14-1145 WAUWATOSA CLEANERS
Pace Project No.: 40139966

QC Batch: 238269 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40139966001, 40139966002, 40139966003, 40139966004, 40139966005

METHOD BLANK: 1411848 Matrix: Water
Associated Lab Samples: 40139966001, 40139966002, 40139966003, 40139966004, 40139966005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/19/16 06:49	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/19/16 06:49	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/19/16 06:49	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/19/16 06:49	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/19/16 06:49	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/19/16 06:49	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/19/16 06:49	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/19/16 06:49	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/19/16 06:49	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/19/16 06:49	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/19/16 06:49	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/19/16 06:49	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/19/16 06:49	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/19/16 06:49	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/19/16 06:49	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/19/16 06:49	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/19/16 06:49	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/19/16 06:49	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/19/16 06:49	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/19/16 06:49	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/19/16 06:49	
2-Chlorotoluene	ug/L	<0.50	1.0	10/19/16 06:49	
4-Chlorotoluene	ug/L	<0.21	1.0	10/19/16 06:49	
Benzene	ug/L	<0.50	1.0	10/19/16 06:49	
Bromobenzene	ug/L	<0.23	1.0	10/19/16 06:49	
Bromochloromethane	ug/L	<0.34	1.0	10/19/16 06:49	
Bromodichloromethane	ug/L	<0.50	1.0	10/19/16 06:49	
Bromoform	ug/L	<0.50	1.0	10/19/16 06:49	
Bromomethane	ug/L	<2.4	5.0	10/19/16 06:49	
Carbon tetrachloride	ug/L	<0.50	1.0	10/19/16 06:49	
Chlorobenzene	ug/L	<0.50	1.0	10/19/16 06:49	
Chloroethane	ug/L	<0.37	1.0	10/19/16 06:49	
Chloroform	ug/L	<2.5	5.0	10/19/16 06:49	
Chloromethane	ug/L	<0.50	1.0	10/19/16 06:49	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/19/16 06:49	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/19/16 06:49	
Dibromochloromethane	ug/L	<0.50	1.0	10/19/16 06:49	
Dibromomethane	ug/L	<0.43	1.0	10/19/16 06:49	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/19/16 06:49	
Diisopropyl ether	ug/L	<0.50	1.0	10/19/16 06:49	
Ethylbenzene	ug/L	<0.50	1.0	10/19/16 06:49	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

METHOD BLANK: 1411848

Matrix: Water

Associated Lab Samples: 40139966001, 40139966002, 40139966003, 40139966004, 40139966005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/19/16 06:49	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/19/16 06:49	
m&p-Xylene	ug/L	<1.0	2.0	10/19/16 06:49	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/19/16 06:49	
Methylene Chloride	ug/L	<0.23	1.0	10/19/16 06:49	
n-Butylbenzene	ug/L	<0.50	1.0	10/19/16 06:49	
n-Propylbenzene	ug/L	<0.50	1.0	10/19/16 06:49	
Naphthalene	ug/L	<2.5	5.0	10/19/16 06:49	
o-Xylene	ug/L	<0.50	1.0	10/19/16 06:49	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/19/16 06:49	
sec-Butylbenzene	ug/L	<2.2	5.0	10/19/16 06:49	
Styrene	ug/L	<0.50	1.0	10/19/16 06:49	
tert-Butylbenzene	ug/L	<0.18	1.0	10/19/16 06:49	
Tetrachloroethene	ug/L	<0.50	1.0	10/19/16 06:49	
Toluene	ug/L	<0.50	1.0	10/19/16 06:49	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/19/16 06:49	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/19/16 06:49	
Trichloroethene	ug/L	<0.33	1.0	10/19/16 06:49	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/19/16 06:49	
Vinyl chloride	ug/L	<0.18	1.0	10/19/16 06:49	
4-Bromofluorobenzene (S)	%	96	70-130	10/19/16 06:49	
Dibromofluoromethane (S)	%	111	70-130	10/19/16 06:49	
Toluene-d8 (S)	%	94	70-130	10/19/16 06:49	

LABORATORY CONTROL SAMPLE: 1411849

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	60.2	120	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	46.7	93	67-130	
1,1,2-Trichloroethane	ug/L	50	50.9	102	70-130	
1,1-Dichloroethane	ug/L	50	63.0	126	70-133	
1,1-Dichloroethene	ug/L	50	57.1	114	70-130	
1,2,4-Trichlorobenzene	ug/L	50	47.0	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	51.7	103	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	51.0	102	70-130	
1,2-Dichlorobenzene	ug/L	50	50.5	101	70-130	
1,2-Dichloroethane	ug/L	50	59.6	119	70-130	
1,2-Dichloropropane	ug/L	50	57.2	114	70-130	
1,3-Dichlorobenzene	ug/L	50	49.3	99	70-130	
1,4-Dichlorobenzene	ug/L	50	50.5	101	70-130	
Benzene	ug/L	50	61.1	122	60-135	
Bromodichloromethane	ug/L	50	55.2	110	70-130	
Bromoform	ug/L	50	46.2	92	70-130	
Bromomethane	ug/L	50	28.3	57	33-130	

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QUALITY CONTROL DATA

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

LABORATORY CONTROL SAMPLE: 1411849

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	60.3	121	70-138	
Chlorobenzene	ug/L	50	54.5	109	70-130	
Chloroethane	ug/L	50	64.2	128	51-130	
Chloroform	ug/L	50	60.1	120	70-130	
Chloromethane	ug/L	50	41.3	83	25-132	
cis-1,2-Dichloroethene	ug/L	50	60.5	121	69-130	
cis-1,3-Dichloropropene	ug/L	50	52.7	105	70-130	
Dibromochloromethane	ug/L	50	49.8	100	70-130	
Dichlorodifluoromethane	ug/L	50	42.3	85	23-130	
Ethylbenzene	ug/L	50	55.8	112	70-136	
Isopropylbenzene (Cumene)	ug/L	50	58.1	116	70-140	
m&p-Xylene	ug/L	100	112	112	70-138	
Methyl-tert-butyl ether	ug/L	50	51.1	102	66-138	
Methylene Chloride	ug/L	50	50.1	100	70-130	
o-Xylene	ug/L	50	55.9	112	70-134	
Styrene	ug/L	50	55.8	112	70-133	
Tetrachloroethene	ug/L	50	52.6	105	70-138	
Toluene	ug/L	50	55.9	112	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.4	103	70-131	
trans-1,3-Dichloropropene	ug/L	50	48.0	96	69-130	
Trichloroethene	ug/L	50	58.6	117	70-130	
Trichlorofluoromethane	ug/L	50	61.3	123	50-150	
Vinyl chloride	ug/L	50	55.8	112	49-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			105	70-130	
Toluene-d8 (S)	%			93	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1412065 1412066

Parameter	Units	40139966001		MSD		MSD		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,1,1-Trichloroethane	ug/L	<0.50	50	50	52.9	55.2	106	110	70-134	4	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	43.2	44.3	86	89	67-130	3	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	45.5	47.0	91	94	70-130	3	20		
1,1-Dichloroethane	ug/L	<0.24	50	50	55.9	57.1	112	114	70-134	2	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	47.0	49.3	94	99	68-136	5	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	38.3	39.7	76	79	62-139	4	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	44.1	44.5	88	89	50-150	1	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	44.7	47.0	89	94	70-130	5	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	43.2	45.4	86	91	70-130	5	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	53.6	54.6	107	109	70-130	2	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	51.3	52.2	103	104	70-130	2	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	42.1	43.3	84	87	70-131	3	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	42.2	44.2	84	88	70-130	4	20		

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QUALITY CONTROL DATA

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1412065		1412066		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40139966001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Benzene	ug/L	<0.50	50	50	54.8	55.5	110	111	57-138	1	20		
Bromodichloromethane	ug/L	<0.50	50	50	49.5	50.1	99	100	70-130	1	20		
Bromoform	ug/L	<0.50	50	50	40.9	42.6	82	85	70-130	4	20		
Bromomethane	ug/L	<2.4	50	50	28.3	30.0	57	60	33-130	6	27		
Carbon tetrachloride	ug/L	<0.50	50	50	54.7	54.8	109	110	70-138	0	20		
Chlorobenzene	ug/L	<0.50	50	50	46.6	48.1	93	96	70-130	3	20		
Chloroethane	ug/L	<0.37	50	50	53.4	54.4	107	109	51-130	2	20		
Chloroform	ug/L	<2.5	50	50	52.8	54.1	106	108	70-130	2	20		
Chloromethane	ug/L	<0.50	50	50	37.0	37.4	74	75	25-132	1	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	54.6	55.4	109	111	61-140	2	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	47.6	48.3	95	97	70-130	1	20		
Dibromochloromethane	ug/L	<0.50	50	50	45.0	46.7	90	93	70-130	4	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	34.9	35.5	70	71	23-130	2	20		
Ethylbenzene	ug/L	<0.50	50	50	47.6	49.3	95	99	70-138	3	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	50.1	52.0	100	104	70-152	4	20		
m&p-Xylene	ug/L	<1.0	100	100	95.8	101	96	101	70-140	5	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	53.9	51.9	108	104	66-139	4	20		
Methylene Chloride	ug/L	<0.23	50	50	46.4	53.0	93	106	70-130	13	20		
o-Xylene	ug/L	<0.50	50	50	48.3	50.8	97	102	70-134	5	20		
Styrene	ug/L	<0.50	50	50	47.0	49.1	94	98	70-138	4	20		
Tetrachloroethene	ug/L	2.6	50	50	46.8	49.2	88	93	70-148	5	20		
Toluene	ug/L	<0.50	50	50	48.2	49.9	96	100	70-130	4	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	52.2	52.8	104	106	70-133	1	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	42.6	43.4	85	87	69-130	2	20		
Trichloroethene	ug/L	<0.33	50	50	51.4	52.5	103	105	70-131	2	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	54.3	55.9	109	112	50-150	3	20		
Vinyl chloride	ug/L	<0.18	50	50	51.7	53.4	103	107	49-133	3	20		
4-Bromofluorobenzene (S)	%						102	102	70-130				
Dibromofluoromethane (S)	%						105	103	70-130				
Toluene-d8 (S)	%						92	94	70-130				

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QUALITY CONTROL DATA

Project: 14-1145 WAUWATOSA CLEANERS
Pace Project No.: 40139966

QC Batch: 238581 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40139966006

METHOD BLANK: 1413446 Matrix: Water
Associated Lab Samples: 40139966006

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	
Ethylbenzene	ug/L	<0.50	1.0	10/19/16 15:39	

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QUALITY CONTROL DATA

Project: 14-1145 WAUWATOSA CLEANERS
Pace Project No.: 40139966

METHOD BLANK: 1413446 Matrix: Water
Associated Lab Samples: 40139966006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
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	
Bromoform	ug/L	50	40.3	81	70-130	
Bromomethane	ug/L	50	34.0	68	33-130	

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QUALITY CONTROL DATA

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

LABORATORY CONTROL SAMPLE: 1413447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
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		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
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		
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		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

Parameter	Units	40140236013		1414188		1414189		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
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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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

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

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 14-1145 WAUWATOSA CLEANERS

Pace Project No.: 40139966

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40139966001	MW-101	EPA 8260	238269		
40139966002	PZ-102	EPA 8260	238269		
40139966003	TW-6	EPA 8260	238269		
40139966004	TW-7	EPA 8260	238269		
40139966005	MW-151	EPA 8260	238269		
40139966006	TB	EPA 8260	238581		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

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



Project #

WO#: 40139966

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: RA Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 10/12/16
Initials: CAH

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

HNO₃ H₂SO₄ NaOH NaOH + ZnAct

Initial when completed: _____ Date/Time: _____
Lab Std #ID of preservative: _____

TB expired on 9/14/16
CAH 10/12/16

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

Project Manager Review: CAH Date: 10-12-16

October 26, 2016

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

RE: Project: 14-1145 Wauwatosa Laundry
Pace Project No.: 10365962

Dear Mr. Ebbott:

Enclosed are the analytical results for sample(s) received by the laboratory on October 13, 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,

Carolynne Trout

Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

cc: Megan Hansen, Fehr Graham



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 14-1145 Wauwatosa Laundry
Pace Project No.: 10365962

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

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SAMPLE SUMMARY

Project: 14-1145 Wauwatosa Laundry

Pace Project No.: 10365962

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10365962001	VP-B	Air	10/11/16 11:55	10/13/16 09:45
10365962002	VP-C	Air	10/11/16 11:00	10/13/16 09:45

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SAMPLE ANALYTE COUNT

Project: 14-1145 Wauwatosa Laundry

Pace Project No.: 10365962

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10365962001	VP-B	TO-15	MJL	5	PASI-M
10365962002	VP-C	TO-15	NCK	5	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 14-1145 Wauwatosa Laundry

Pace Project No.: 10365962

Sample: VP-B									
Lab ID: 10365962001									
Collected: 10/11/16 11:55									
Received: 10/13/16 09:45									
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		10/21/16 22:38	156-59-2	
trans-1,2-Dichloroethene	<0.70	ug/m3	1.5	0.70	1.83		10/21/16 22:38	156-60-5	
Tetrachloroethene	4970	ug/m3	202	81.4	292.8		10/24/16 14:40	127-18-4	A3
Trichloroethene	10.3	ug/m3	1.0	0.51	1.83		10/21/16 22:38	79-01-6	
Vinyl chloride	<0.36	ug/m3	0.48	0.36	1.83		10/21/16 22:38	75-01-4	

Sample: VP-C									
Lab ID: 10365962002									
Collected: 10/11/16 11:00									
Received: 10/13/16 09:45									
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		10/23/16 19:22	156-59-2	
trans-1,2-Dichloroethene	<0.70	ug/m3	1.5	0.70	1.83		10/23/16 19:22	156-60-5	
Tetrachloroethene	617	ug/m3	25.2	10.2	36.6		10/24/16 18:31	127-18-4	1M
Trichloroethene	26.8	ug/m3	1.0	0.51	1.83		10/23/16 19:22	79-01-6	
Vinyl chloride	<0.36	ug/m3	0.48	0.36	1.83		10/23/16 19:22	75-01-4	

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QUALITY CONTROL DATA

Project: 14-1145 Wauwatosa Laundry

Pace Project No.: 10365962

QC Batch: 442596	Analysis Method: TO-15
QC Batch Method: TO-15	Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10365962001	

METHOD BLANK: 2411845 Matrix: Air

Associated Lab Samples: 10365962001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.25	0.81	10/21/16 11:21	
Tetrachloroethene	ug/m3	<0.28	0.69	10/21/16 11:21	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	10/21/16 11:21	
Trichloroethene	ug/m3	<0.28	0.55	10/21/16 11:21	
Vinyl chloride	ug/m3	<0.20	0.26	10/21/16 11:21	

LABORATORY CONTROL SAMPLE: 2411846

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	40.3	41.8	104	65-139	
Tetrachloroethene	ug/m3	69	69.7	101	60-142	
trans-1,2-Dichloroethene	ug/m3	40.3	42.5	105	67-137	
Trichloroethene	ug/m3	54.6	55.8	102	60-144	
Vinyl chloride	ug/m3	26	26.4	102	63-135	

SAMPLE DUPLICATE: 2413008

Parameter	Units	10365919001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	<0.25		25	
Tetrachloroethene	ug/m3	ND	<0.28		25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.38		25	
Trichloroethene	ug/m3	ND	<0.28		25	
Vinyl chloride	ug/m3	ND	<0.20		25	

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QUALITY CONTROL DATA

Project: 14-1145 Wauwatosa Laundry

Pace Project No.: 10365962

QC Batch: 442769	Analysis Method: TO-15
QC Batch Method: TO-15	Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10365962002	

METHOD BLANK: 2413186 Matrix: Air
Associated Lab Samples: 10365962002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.25	0.81	10/23/16 11:00	
Tetrachloroethene	ug/m3	<0.28	0.69	10/23/16 11:00	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	10/23/16 11:00	
Trichloroethene	ug/m3	<0.28	0.55	10/23/16 11:00	
Vinyl chloride	ug/m3	<0.20	0.26	10/23/16 11:00	

LABORATORY CONTROL SAMPLE: 2413187

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	40.3	44.3	110	65-139	
Tetrachloroethene	ug/m3	69	74.2	108	60-142	
trans-1,2-Dichloroethene	ug/m3	40.3	45.2	112	67-137	
Trichloroethene	ug/m3	54.6	60.2	110	60-144	
Vinyl chloride	ug/m3	26	27.8	107	63-135	

SAMPLE DUPLICATE: 2413890

Parameter	Units	10366914001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.40	<0.40			25
Tetrachloroethene	ug/m3	15.6	15.3	2		25
trans-1,2-Dichloroethene	ug/m3	<0.62	<0.62			25
Trichloroethene	ug/m3	<0.44	<0.44			25
Vinyl chloride	ug/m3	<0.31	<0.31			25

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

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QUALIFIERS

Project: 14-1145 Wauwatosa Laundry

Pace Project No.: 10365962

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

ANALYTE QUALIFIERS

1M The internal standard recovery associated with this result exceeds the lower control limit.

A3 The sample was analyzed by serial dilution.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 14-1145 Wauwatosa Laundry
Pace Project No.: 10365962

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10365962001	VP-B	TO-15	442596		
10365962002	VP-C	TO-15	442769		


REPORT OF LABORATORY ANALYSIS

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Air Sample Condition Upon Receipt

Client Name: Fehr Graham Project #: _____

WO#: 10365962



10365962

Courier: Fed Ex UPS Speedee Client
 Commercial Pace Other: Walmart

Tracking Number: _____

Custody Seal on Cooler/Box Present? Yes No ^{10/13/16} Seals Intact? Yes No

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

Temp. (TO17 and TO13 samples only) (°C): X Corrected Temp (°C): X Thermom. Used: B88A912167504 B88A0143310098 151401163 151401164
 Temp should be above freezing to 6°C Correction Factor: X Date & Initials of Person Examining Contents: 10/13/16

Type of ice Received Blue Wet None

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

Comments/Resolution: _____

Project Manager Review: Carolynne Trust Date: 10/13/16

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)