



February 23, 2024

City of Port Washington
Susan Westerbeke, City Clerk
100 West Grand Avenue
Port Washington, WI 53074

Subject: Environmental Investigation Sampling Results
BRRTS#: 02-46-548092

Dear Ms. Westerbeke:

In accordance with the executed Agreement to Provide Access for Sampling Activities, and in accordance with Wisconsin Department of Natural Resources (WDNR) regulation NR 716.14, Environmental Forensic Investigations, Inc. (EnviroForensics) is providing the results of environmental groundwater samples collected from City of Port Washington owned property located at 126 East Grand Avenue and from the Grand Avenue right-of-way in Port Washington, Wisconsin. The samples were collected between the dates of January 9 and January 24, 2024.

The sampling activities are part of an environmental investigation being performed for the Harborview Cleaners facility located at 134 East Grand Avenue in Port Washington, Wisconsin at the direction of the WDNR. The chemicals of concern for the investigation are the dry cleaning solvent tetrachloroethene (PCE) and its associated breakdown products.

Sampling Results

New groundwater monitoring wells MW-6 and MW-7 were installed on January 8, 2024 at the locations shown on attached **Figure 1**. As part of the installation process, soil samples were collected continuously and field screened for volatile organic compounds. Two (2) soil samples were collected from each well boring; one (1) from the zone of direct contact (1-4 feet deep), and one (1) from a deeper interval depending on field screening readings. These soil samples were sent to a Wisconsin Certified laboratory and analyzed for total volatile organic compounds. None of the four (4) soil samples collected contained volatile organic compounds at concentrations above the laboratory detection limits.

Groundwater samples were collected from three (3) monitoring wells designated MW-4, MW-5, and PZ-1 on January 9-10, 2024. Due to slow recharge, new water table monitoring wells MW-6 and MW-7 were sampled on January 24, 2024. The well locations are depicted on attached

Figure 1. The groundwater analytical results are summarized in **Table 1**, and an excerpt of the laboratory report that relates to the groundwater samples is also attached.

PCE was detected in the groundwater samples collected from MW-4 and MW-5 at estimated concentrations of 1.82 micrograms per liter ($\mu\text{g}/\text{l}$) and 1.39 $\mu\text{g}/\text{l}$, respectively. These concentrations are “J”-flagged by the analytical laboratory which means that the concentrations were above the laboratory method detection limit, but below the levels of accurate quantification. Therefore, the concentrations cannot be said to exceed the preventative action limit (PAL) of 0.5 $\mu\text{g}/\text{l}$ and are below the enforcement standard (ES) of 5 $\mu\text{g}/\text{l}$ established for PCE. No other chlorinated compounds of concern were detected in any of the groundwater samples collected.

A vapor sample was collected from an existing sub-slab port in the basement of the Pebble house located at 126 E. Grand Avenue. In addition, passive indoor air samplers were deployed on January 10, 2024 within the basement and first floor of Pebble House. A figure is attached showing the locations of vapor intrusion samples. A passive sampler was also deployed to the north and east of the Pebble House in the up-gradient direction of prevailing wind at that time. The sample is labeled 6348-OA on the attached figure. The passive indoor air samples collected from the basement and first floor of the building along with the outside air sample were left in place for a period of 14 days to provide a time-weighted average over a longer exposure period.

As can be seen in attached **Table 2**, PCE was detected in the sub-slab vapor sample at a concentration of 128 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) and trichloroethene (TCE) was detected at a concentration of 19.8 $\mu\text{g}/\text{m}^3$. Both of these concentrations are below the small commercial vapor risk screening levels (VRSLs) for these compounds of 5,800 $\mu\text{g}/\text{m}^3$ and 290 $\mu\text{g}/\text{m}^3$, respectively.

The indoor air sample collected from the basement contained very low concentrations of both PCE and TCE at 5.46 $\mu\text{g}/\text{m}^3$ and 0.88 $\mu\text{g}/\text{m}^3$, respectively which are well below the small commercial vapor action levels (VALs) of 180 $\mu\text{g}/\text{m}^3$ and 8.8 $\mu\text{g}/\text{m}^3$, respectively for these compounds. The indoor air sample collected from the first floor contained only PCE at a low concentration of 6.11 $\mu\text{g}/\text{m}^3$.

Unless specifically requested by the WDNR, we are not planning to further sample for vapor in the Pebble House due to the historically low concentrations of chlorinated volatile organic compounds detected in sub-slab and indoor air samples.

We are planning to sample the groundwater monitoring wells again in April or May of this year.

If you have any questions or would like to discuss these results, please contact me at 262-490-6472 or by email at wfassbender@enviroforensics.com. The WDNR project manager, John

Feeney, can be reached at 262-416-8643. We greatly appreciate your help and patience with this matter.

Sincerely,
Environmental Forensic Investigations, Inc.

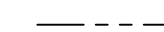









A handwritten signature in black ink that reads "Wayne P. Fassbender".

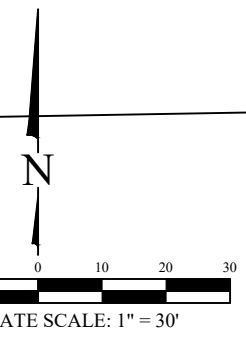
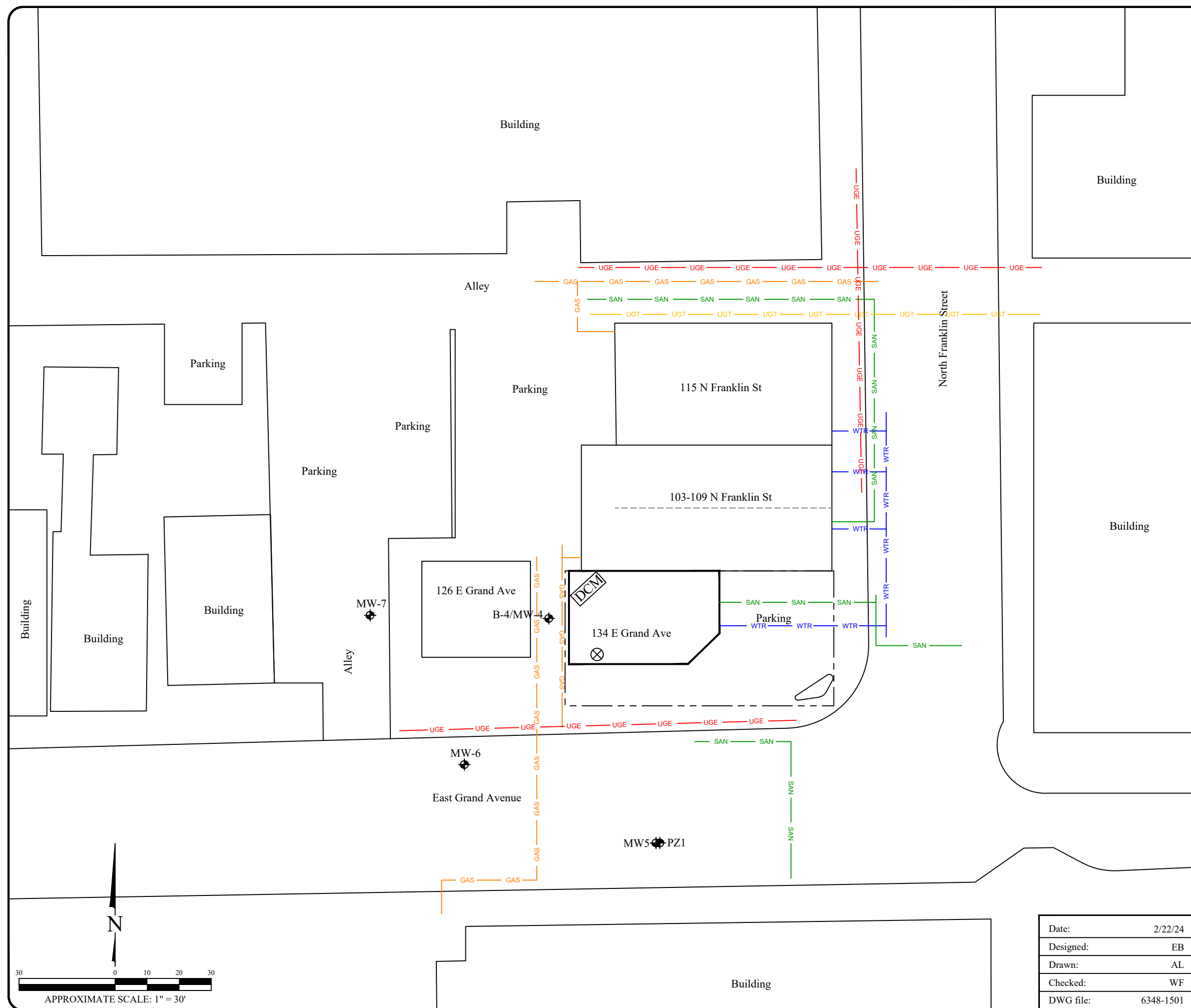
Wayne Fassbender, PG
Senior Project Manager

Attachments: Figure 1: Monitoring Well Location Map
Figure 2: Vapor Intrusion Sample Locations
Table 1: Summary of Groundwater Sample Analytical Results
Table 2: Vapor Intrusion Assessment Results Summary
Synergy Laboratory Groundwater Analytical Report Excerpt
Beacon Vapor Analytical Report Excerpt

Copy: John Feeney, Wisconsin Department of Natural Resources

Legend

-  Site boundary
-  Dividing wall
-  GAS Underground gas utility line
-  WTR Underground water utility line
-  SAN Underground sanitary utility line
-  UGT Fiber optics line
-  UGE Underground electrical utility line
-  MW-1 Monitoring well
-  DCM Dry cleaning machine location
-  Historic spent solvent/filter storage




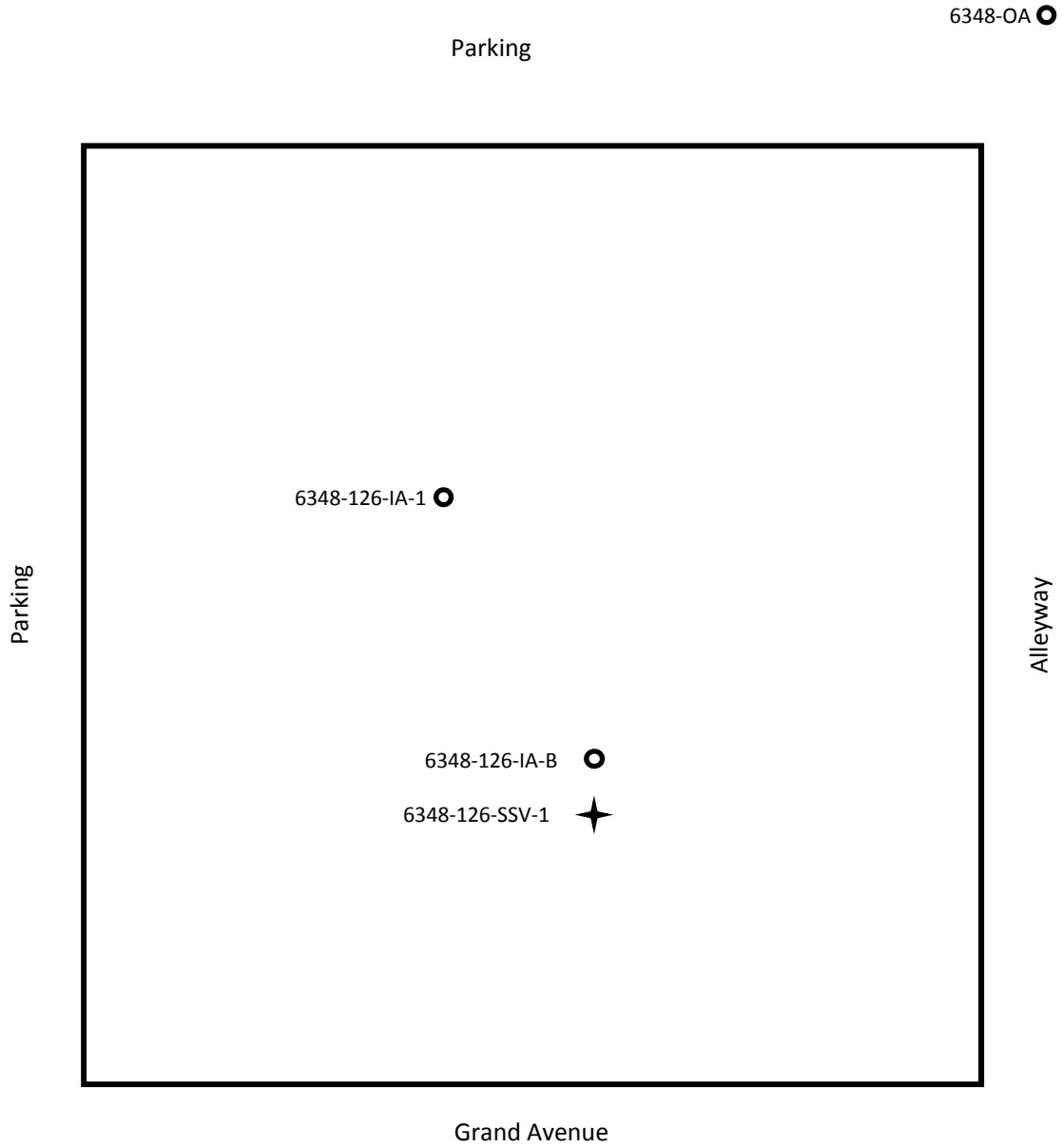
Well Locations											
Harborview Cleaners 134 East Grand Avenue Port Washington, Wisconsin											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Date:</td><td>2/22/24</td></tr> <tr><td>Designed:</td><td>EB</td></tr> <tr><td>Drawn:</td><td>AL</td></tr> <tr><td>Checked:</td><td>WF</td></tr> <tr><td>DWG file:</td><td>6348-1501</td></tr> </table>	Date:	2/22/24	Designed:	EB	Drawn:	AL	Checked:	WF	DWG file:	6348-1501	 <p>825 North Capitol Avenue • Indianapolis, IN 46204 EnviroForensics.com</p>
Date:	2/22/24										
Designed:	EB										
Drawn:	AL										
Checked:	WF										
DWG file:	6348-1501										
Figure 1 Project 6348											

FIGURE 2
VAPOR INTRUSION SAMPLE LOCATIONS
126 E. Grand Avenue, Port Washington, Wisconsin



Legend

- Indoor/Outdoor Air Sample
- ★ Sub-Slab Vapor Sample
- IA-B = Basement
- IA-1 = 1st Floor



TABLE 1
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
Harborview Cleaners
Port Washington, Wisconsin

Boring/ Monitoring well Identification	Sample Depth (feet)	Sample Date	Consultant	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Toluene	Benzene	n-Butylbenzene	Chloromethane	p-Isopropyltoluene	Naphthalene	Trimethylbenzenes (total)	Xylenes (total)
Enforcement Standard				5	5	70	100	0.2	1,000	5	NE	400	NE	100	480	10,000
Preventive Action Limit				0.5	0.5	7	20	0.02	200	1	NE	80	NE	10	96	1,000
MW-4	12-15	12/26/2007	Konicek	5.3	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		4/9/2008	Konicek	3.1	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		4/13/2008	Konicek	3.8	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		8/14/2008	Konicek	6.1	<0.48	1.4	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		11/12/2008	Konicek	2.2	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.89	<0.83	<0.83
		4/22/2016	EnviroForensics	0.78 J	<0.47	1.19 J	<0.54	<0.17	<0.44	<0.44	<1	<1.9	<1.1	<1.6	<1.5	<0.09
		7/20/2016	EnviroForensics	1.0 J	<0.47	0.68 J	<0.54	<0.17	<0.44	<0.44	<1	<1.9	<1.1	<1.6	<1.5	<0.09
		1/10/2024	EnviroForensics	1.82 J	<0.38	<0.32	<0.5	<0.15	<0.33	<0.3	<0.71	<0.74	<0.47	<1.4	<0.41	<0.64
MW-5	11-17	4/9/2008	Konicek	1.1	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		4/13/2008	Konicek	0.63 J	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		4/13/08D	Konicek	0.78 J	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		8/14/2008	Konicek	2.5	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		11/12/2008	Konicek	2.6	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.89	<0.83	<0.83
		11/12/08D	Konicek	3.1	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.89	<0.83	<0.83
		4/22/2016	EnviroForensics	1.34 J	<0.47	<0.45	<0.54	<0.17	<0.44	<0.44	<1	<1.9	<1.1	<1.6	<1.5	<0.09
		7/20/2016	EnviroForensics	1.27 J	<0.47	<0.45	<0.54	<0.17	<0.44	<0.44	<1	<1.9	<1.1	<1.6	<1.5	<0.09
1/10/2024	EnviroForensics	1.39 J	<0.38	<0.32	<0.5	<0.15	<0.33	<0.3	<0.71	<0.74	<0.47	<1.4	<0.41	<0.64		
MW-6	8-18	1/24/2024	EnviroForensics	<0.47	<0.38	<0.32	<0.5	<0.15	<0.33	<0.3	<0.71	<0.74	<0.47	<1.4	<0.41	<0.64
MW-7	6-16	1/24/2024	EnviroForensics	<0.47	<0.38	<0.32	<0.5	<0.15	<0.33	<0.3	<0.71	<0.74	<0.47	<1.4	<0.41	<0.64
PZ-1	29-34	4/9/2008	Konicek	<0.45	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	1.1	1.2 J	11.6	<0.83
		4/13/2008	Konicek	<0.45	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	1.1	<0.83
		8/14/2008	Konicek	<0.45	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	1.6	<0.83
		11/12/2008	Konicek	<0.45	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	8.3	<0.24	<0.67	<0.89	3.8	<0.83
		4/22/2016	EnviroForensics	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<0.44	<1	<1.9	<1.1	<1.6	<1.5	<0.09
		7/20/2016	EnviroForensics	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<0.44	<1	<1.9	<1.1	<1.6	<1.5	<0.09
		1/9/2024	EnviroForensics	<0.47	<0.38	<0.32	<0.5	<0.15	<0.33	<0.3	<0.71	<0.74	<0.47	<1.4	<0.41	<0.64

Notes:

- All concentrations reported in micrograms per liter µg/l
- Samples analyzed using EPA SW-846 Method 8260
- Bolded** values are above detection limits
- Bolded and Orange Shaded** values indicates an exceedance of the Public Health Enforcement Standard
- Bolded and Blue Shaded** values indicates an exceedance the Public Health Preventive Action Limit
- bgs = below ground surface
- D = Duplicate sample
- J, Q = Estimated concentration between the Method Detection Limit and the Reporting Limit
- NA = Not Analyzed
- NE = Not Established

TABLE 2
VAPOR INTRUSION ASSESSMENT RESULTS SUMMARY

Harborview Cleaners
Port Washington, Wisconsin

Address	Sample Identification	Sample Location	Exposure Criteria	Sample Date	Mitigation	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
INDOOR/OUTDOOR AIR										
Residential Vapor Action Level						42	2.1	NE	42	1.7
Small Commercial Vapor Action Level						180	8.8	NE	180	28
103-109 N. Franklin St.	6348-OA	Outdoor	Small Commercial	12/2/2015	Pre	5.22	<1.07	<19.8	<39.6	<1.28
				1/13/2016	Pre	4.75	<1.07	<3.96	<3.96	<0.64
				5/24/2016	Post	6.92	<1.07	<3.96	<3.96	<0.64
				11/2/2016	Post	16.9	<1.07	<3.96	<3.96	<0.64
				8/8/2017	Post	<3.19	<1.07	<19.8	<39.6	<1.28
				2/27/2018	Post	<3.19	<1.07	<19.8	<39.6	<1.28
				2/15/2019	Post	<3.19	<1.07	<19.8	<39.6	<1.28
				9/26/2019	Post	<3.19	<1.07	<19.8	<39.6	<1.28
				2/18/2020	Post	<3.19	<1.07	<19.8	<39.6	<1.28
				8/25/2020	Off **	<3.19	<1.07	<19.8	<39.6	<1.28
				1/10/2024	Off	5.46	0.0676 J	<0.0356 U	<0.0356 U	<0.0446 U
126 E. Grand Ave.	6348-126-IA-B	Basement	Small Commercial	12/2/2015	NR	77.3	<1.07	<19.8	<39.6	<1.28
				1/28/2016	NR	32.4	<1.07	<3.96	<3.96	<0.64
				1/10/2024	NR	5.79	0.0877	<0.0354 U	<0.0354 U	<0.0443 U
	6348-126-IA-1	1st Floor	Small Commercial	12/2/2015	NR	36.7	<1.07	<19.8	<39.6	<1.28
				1/28/2016	NR	39.4	<1.07	<3.96	<3.96	<0.64
				1/10/2024	NR	6.11	<0.0381 U	<0.0354 U	<0.0354 U	<0.0443 U
SUB-SLAB VAPOR										
Residential Vapor Risk Screening Level						1,400	70	NE	1,400	56
Small Commercial Vapor Risk Screening Level						5,800	290	NE	5,800	930
126 E. Grand Ave.	6348-126-SSV-1	Basement	Small Commercial	12/3/2015	NR	695	<10.7	<198	<396	<12.8
				1/28/2016	NR	332	<10.7	<39.6	<39.6	<6.4
				1/8/2024	NR	128	19.8	<1.97	<2.31	<1.48

Notes:

** = Vapor mitigation system shut down three weeks prior to sample collection

Vapor Action and Risk Screening Levels are calculated according to WDNR Publication RR-800 and subsequent vapor intrusion guidance documents

Results reported in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)

"J" flag indicates concentration above method detection limit but below reporting limit

"D" flag indicates that a dilution was required to report within calibration limits

"U" flag indicates analyte not detected. Limit of detection adjusted for either dilution or concentration of sample.

NE = Screening/action level not established

NR = Not Remediated

NA = Not Analyzed

Bolded values are above detection limits

Bolded and shaded values exceed the applicable screening or action level

Synergy Environmental Lab, LLC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

WAYNE FASSBENDER
ENVIROFORENSICS
825 N. CAPITOL AVENUE
INDIANAPOLIS, IN 46204

Report Date 18-Jan-24

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43440

Lab Code 5043440A
Sample ID 6348-MW-6-2-4
Sample Matrix Soil
Sample Date 1/9/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.0	%			1	5021		1/11/2024	ZJW	1
Organic										
VOC's										
Benzene	< 0.025	mg/kg	0.025	0.1	1	8260B		1/16/2024	CJR	1
Bromobenzene	< 0.04	mg/kg	0.04	0.16	1	8260B		1/16/2024	CJR	1
Bromodichloromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		1/16/2024	CJR	1
Bromoform	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
tert-Butylbenzene	< 0.033	mg/kg	0.033	0.14	1	8260B		1/16/2024	CJR	1
sec-Butylbenzene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
n-Butylbenzene	< 0.029	mg/kg	0.029	0.12	1	8260B		1/16/2024	CJR	1
Carbon Tetrachloride	< 0.032	mg/kg	0.032	0.13	1	8260B		1/16/2024	CJR	1
Chlorobenzene	< 0.027	mg/kg	0.027	0.11	1	8260B		1/16/2024	CJR	1
Chloroethane	< 0.1	mg/kg	0.1	0.41	1	8260B		1/16/2024	CJR	1
Chloroform	< 0.032	mg/kg	0.032	0.13	1	8260B		1/16/2024	CJR	1
Chloromethane	< 0.064	mg/kg	0.064	0.26	1	8260B		1/16/2024	CJR	1
2-Chlorotoluene	< 0.034	mg/kg	0.034	0.14	1	8260B		1/16/2024	CJR	1
4-Chlorotoluene	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
1,2-Dibromo-3-chloropropane	< 0.055	mg/kg	0.055	0.22	1	8260B		1/16/2024	CJR	1
Dibromochloromethane	< 0.038	mg/kg	0.038	0.16	1	8260B		1/16/2024	CJR	1
1,4-Dichlorobenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
1,3-Dichlorobenzene	< 0.036	mg/kg	0.036	0.15	1	8260B		1/16/2024	CJR	1
1,2-Dichlorobenzene	< 0.026	mg/kg	0.026	0.11	1	8260B		1/16/2024	CJR	1
Dichlorodifluoromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		1/16/2024	CJR	1
1,2-Dichloroethane	< 0.042	mg/kg	0.042	0.17	1	8260B		1/16/2024	CJR	1
1,1-Dichloroethane	< 0.033	mg/kg	0.033	0.13	1	8260B		1/16/2024	CJR	1
1,1-Dichloroethene	< 0.049	mg/kg	0.049	0.2	1	8260B		1/16/2024	CJR	1
cis-1,2-Dichloroethene	< 0.027	mg/kg	0.027	0.11	1	8260B		1/16/2024	CJR	1
trans-1,2-Dichloroethene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43440

Lab Code 5043440A
Sample ID 6348-MW-6-2-4
Sample Matrix Soil
Sample Date 1/9/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.04	mg/kg	0.04	0.16	1	8260B		1/16/2024	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
trans-1,3-Dichloropropene	< 0.027	mg/kg	0.027	0.11	1	8260B		1/16/2024	CJR	1
cis-1,3-Dichloropropene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.11	1	8260B		1/16/2024	CJR	1
EDB (1,2-Dibromoethane)	< 0.025	mg/kg	0.025	0.1	1	8260B		1/16/2024	CJR	1
Ethylbenzene	< 0.023	mg/kg	0.023	0.096	1	8260B		1/16/2024	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.42	1	8260B		1/16/2024	CJR	1
Isopropylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
p-Isopropyltoluene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
Methylene chloride	< 0.1	mg/kg	0.1	0.42	1	8260B		1/16/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.036	mg/kg	0.036	0.15	1	8260B		1/16/2024	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		1/16/2024	CJR	1
n-Propylbenzene	< 0.025	mg/kg	0.025	0.1	1	8260B		1/16/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
1,1,1,2-Tetrachloroethane	< 0.041	mg/kg	0.041	0.17	1	8260B		1/16/2024	CJR	1
Tetrachloroethene	< 0.039	mg/kg	0.039	0.16	1	8260B		1/16/2024	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
1,2,4-Trichlorobenzene	< 0.045	mg/kg	0.045	0.18	1	8260B		1/16/2024	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		1/16/2024	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
1,1,2-Trichloroethane	< 0.037	mg/kg	0.037	0.15	1	8260B		1/16/2024	CJR	1
Trichloroethene (TCE)	< 0.039	mg/kg	0.039	0.16	1	8260B		1/16/2024	CJR	1
Trichlorofluoromethane	< 0.066	mg/kg	0.066	0.27	1	8260B		1/16/2024	CJR	1
1,2,4-Trimethylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
1,3,5-Trimethylbenzene	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
Vinyl Chloride	< 0.036	mg/kg	0.036	0.15	1	8260B		1/16/2024	CJR	1
m&p-Xylene	< 0.062	mg/kg	0.062	0.25	1	8260B		1/16/2024	CJR	1
o-Xylene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
SUR - 1,2-Dichloroethane-d4	91	Rec %			1	8260B		1/16/2024	CJR	1
SUR - 4-Bromofluorobenzene	96	Rec %			1	8260B		1/16/2024	CJR	1
SUR - Dibromofluoromethane	92	Rec %			1	8260B		1/16/2024	CJR	1
SUR - Toluene-d8	86	Rec %			1	8260B		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43440

Lab Code 5043440B
Sample ID 6348-MW-6-5-7
Sample Matrix Soil
Sample Date 1/9/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.5	%			1	5021		1/11/2024	ZJW	1
Organic										
VOC's										
Benzene	< 0.025	mg/kg	0.025	0.1	1	8260B		1/16/2024	CJR	1
Bromobenzene	< 0.04	mg/kg	0.04	0.16	1	8260B		1/16/2024	CJR	1
Bromodichloromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		1/16/2024	CJR	1
Bromoform	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
tert-Butylbenzene	< 0.033	mg/kg	0.033	0.14	1	8260B		1/16/2024	CJR	1
sec-Butylbenzene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
n-Butylbenzene	< 0.029	mg/kg	0.029	0.12	1	8260B		1/16/2024	CJR	1
Carbon Tetrachloride	< 0.032	mg/kg	0.032	0.13	1	8260B		1/16/2024	CJR	1
Chlorobenzene	< 0.027	mg/kg	0.027	0.11	1	8260B		1/16/2024	CJR	1
Chloroethane	< 0.1	mg/kg	0.1	0.41	1	8260B		1/16/2024	CJR	1
Chloroform	< 0.032	mg/kg	0.032	0.13	1	8260B		1/16/2024	CJR	1
Chloromethane	< 0.064	mg/kg	0.064	0.26	1	8260B		1/16/2024	CJR	1
2-Chlorotoluene	< 0.034	mg/kg	0.034	0.14	1	8260B		1/16/2024	CJR	1
4-Chlorotoluene	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
1,2-Dibromo-3-chloropropane	< 0.055	mg/kg	0.055	0.22	1	8260B		1/16/2024	CJR	1
Dibromochloromethane	< 0.038	mg/kg	0.038	0.16	1	8260B		1/16/2024	CJR	1
1,4-Dichlorobenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
1,3-Dichlorobenzene	< 0.036	mg/kg	0.036	0.15	1	8260B		1/16/2024	CJR	1
1,2-Dichlorobenzene	< 0.026	mg/kg	0.026	0.11	1	8260B		1/16/2024	CJR	1
Dichlorodifluoromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		1/16/2024	CJR	1
1,2-Dichloroethane	< 0.042	mg/kg	0.042	0.17	1	8260B		1/16/2024	CJR	1
1,1-Dichloroethane	< 0.033	mg/kg	0.033	0.13	1	8260B		1/16/2024	CJR	1
1,1-Dichloroethene	< 0.049	mg/kg	0.049	0.2	1	8260B		1/16/2024	CJR	1
cis-1,2-Dichloroethene	< 0.027	mg/kg	0.027	0.11	1	8260B		1/16/2024	CJR	1
trans-1,2-Dichloroethene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
1,2-Dichloropropane	< 0.04	mg/kg	0.04	0.16	1	8260B		1/16/2024	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
trans-1,3-Dichloropropene	< 0.027	mg/kg	0.027	0.11	1	8260B		1/16/2024	CJR	1
cis-1,3-Dichloropropene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.11	1	8260B		1/16/2024	CJR	1
EDB (1,2-Dibromoethane)	< 0.025	mg/kg	0.025	0.1	1	8260B		1/16/2024	CJR	1
Ethylbenzene	< 0.023	mg/kg	0.023	0.096	1	8260B		1/16/2024	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.42	1	8260B		1/16/2024	CJR	1
Isopropylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
p-Isopropyltoluene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
Methylene chloride	< 0.1	mg/kg	0.1	0.42	1	8260B		1/16/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.036	mg/kg	0.036	0.15	1	8260B		1/16/2024	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		1/16/2024	CJR	1
n-Propylbenzene	< 0.025	mg/kg	0.025	0.1	1	8260B		1/16/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
1,1,1,2-Tetrachloroethane	< 0.041	mg/kg	0.041	0.17	1	8260B		1/16/2024	CJR	1
Tetrachloroethene	< 0.039	mg/kg	0.039	0.16	1	8260B		1/16/2024	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
1,2,4-Trichlorobenzene	< 0.045	mg/kg	0.045	0.18	1	8260B		1/16/2024	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		1/16/2024	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43440

Lab Code 5043440B
Sample ID 6348-MW-6-5-7
Sample Matrix Soil
Sample Date 1/9/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.037	mg/kg	0.037	0.15	1	8260B		1/16/2024	CJR	1
Trichloroethene (TCE)	< 0.039	mg/kg	0.039	0.16	1	8260B		1/16/2024	CJR	1
Trichlorofluoromethane	< 0.066	mg/kg	0.066	0.27	1	8260B		1/16/2024	CJR	1
1,2,4-Trimethylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
1,3,5-Trimethylbenzene	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
Vinyl Chloride	< 0.036	mg/kg	0.036	0.15	1	8260B		1/16/2024	CJR	1
m&p-Xylene	< 0.062	mg/kg	0.062	0.25	1	8260B		1/16/2024	CJR	1
o-Xylene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
SUR - 1,2-Dichloroethane-d4	96	Rec %			1	8260B		1/16/2024	CJR	1
SUR - 4-Bromofluorobenzene	91	Rec %			1	8260B		1/16/2024	CJR	1
SUR - Dibromofluoromethane	92	Rec %			1	8260B		1/16/2024	CJR	1
SUR - Toluene-d8	86	Rec %			1	8260B		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43440

Lab Code 5043440C
Sample ID 6348-MW-7-2-4
Sample Matrix Soil
Sample Date 1/9/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.0	%			1	5021		1/11/2024	ZJW	1
Organic										
VOC's										
Benzene	< 0.025	mg/kg	0.025	0.1	1	8260B		1/16/2024	CJR	1
Bromobenzene	< 0.04	mg/kg	0.04	0.16	1	8260B		1/16/2024	CJR	1
Bromodichloromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		1/16/2024	CJR	1
Bromoform	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
tert-Butylbenzene	< 0.033	mg/kg	0.033	0.14	1	8260B		1/16/2024	CJR	1
sec-Butylbenzene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
n-Butylbenzene	< 0.029	mg/kg	0.029	0.12	1	8260B		1/16/2024	CJR	1
Carbon Tetrachloride	< 0.032	mg/kg	0.032	0.13	1	8260B		1/16/2024	CJR	1
Chlorobenzene	< 0.027	mg/kg	0.027	0.11	1	8260B		1/16/2024	CJR	1
Chloroethane	< 0.1	mg/kg	0.1	0.41	1	8260B		1/16/2024	CJR	1
Chloroform	< 0.032	mg/kg	0.032	0.13	1	8260B		1/16/2024	CJR	1
Chloromethane	< 0.064	mg/kg	0.064	0.26	1	8260B		1/16/2024	CJR	1
2-Chlorotoluene	< 0.034	mg/kg	0.034	0.14	1	8260B		1/16/2024	CJR	1
4-Chlorotoluene	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
1,2-Dibromo-3-chloropropane	< 0.055	mg/kg	0.055	0.22	1	8260B		1/16/2024	CJR	1
Dibromochloromethane	< 0.038	mg/kg	0.038	0.16	1	8260B		1/16/2024	CJR	1
1,4-Dichlorobenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
1,3-Dichlorobenzene	< 0.036	mg/kg	0.036	0.15	1	8260B		1/16/2024	CJR	1
1,2-Dichlorobenzene	< 0.026	mg/kg	0.026	0.11	1	8260B		1/16/2024	CJR	1
Dichlorodifluoromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		1/16/2024	CJR	1
1,2-Dichloroethane	< 0.042	mg/kg	0.042	0.17	1	8260B		1/16/2024	CJR	1
1,1-Dichloroethane	< 0.033	mg/kg	0.033	0.13	1	8260B		1/16/2024	CJR	1
1,1-Dichloroethene	< 0.049	mg/kg	0.049	0.2	1	8260B		1/16/2024	CJR	1
cis-1,2-Dichloroethene	< 0.027	mg/kg	0.027	0.11	1	8260B		1/16/2024	CJR	1
trans-1,2-Dichloroethene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
1,2-Dichloropropane	< 0.04	mg/kg	0.04	0.16	1	8260B		1/16/2024	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
trans-1,3-Dichloropropene	< 0.027	mg/kg	0.027	0.11	1	8260B		1/16/2024	CJR	1
cis-1,3-Dichloropropene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.11	1	8260B		1/16/2024	CJR	1
EDB (1,2-Dibromoethane)	< 0.025	mg/kg	0.025	0.1	1	8260B		1/16/2024	CJR	1
Ethylbenzene	< 0.023	mg/kg	0.023	0.096	1	8260B		1/16/2024	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.42	1	8260B		1/16/2024	CJR	1
Isopropylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
p-Isopropyltoluene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
Methylene chloride	< 0.1	mg/kg	0.1	0.42	1	8260B		1/16/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.036	mg/kg	0.036	0.15	1	8260B		1/16/2024	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		1/16/2024	CJR	1
n-Propylbenzene	< 0.025	mg/kg	0.025	0.1	1	8260B		1/16/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
1,1,1,2-Tetrachloroethane	< 0.041	mg/kg	0.041	0.17	1	8260B		1/16/2024	CJR	1
Tetrachloroethene	< 0.039	mg/kg	0.039	0.16	1	8260B		1/16/2024	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
1,2,4-Trichlorobenzene	< 0.045	mg/kg	0.045	0.18	1	8260B		1/16/2024	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		1/16/2024	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43440

Lab Code 5043440C
Sample ID 6348-MW-7-2-4
Sample Matrix Soil
Sample Date 1/9/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.037	mg/kg	0.037	0.15	1	8260B	1/16/2024	1/16/2024	CJR	1
Trichloroethene (TCE)	< 0.039	mg/kg	0.039	0.16	1	8260B	1/16/2024	1/16/2024	CJR	1
Trichlorofluoromethane	< 0.066	mg/kg	0.066	0.27	1	8260B	1/16/2024	1/16/2024	CJR	1
1,2,4-Trimethylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B	1/16/2024	1/16/2024	CJR	1
1,3,5-Trimethylbenzene	< 0.031	mg/kg	0.031	0.13	1	8260B	1/16/2024	1/16/2024	CJR	1
Vinyl Chloride	< 0.036	mg/kg	0.036	0.15	1	8260B	1/16/2024	1/16/2024	CJR	1
m&p-Xylene	< 0.062	mg/kg	0.062	0.25	1	8260B	1/16/2024	1/16/2024	CJR	1
o-Xylene	< 0.03	mg/kg	0.03	0.12	1	8260B	1/16/2024	1/16/2024	CJR	1
SUR - 1,2-Dichloroethane-d4	91	Rec %			1	8260B	1/16/2024	1/16/2024	CJR	1
SUR - Toluene-d8	85	Rec %			1	8260B	1/16/2024	1/16/2024	CJR	1
SUR - 4-Bromofluorobenzene	88	Rec %			1	8260B	1/16/2024	1/16/2024	CJR	1
SUR - Dibromofluoromethane	88	Rec %			1	8260B	1/16/2024	1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43440

Lab Code 5043440D
Sample ID 6348-MW-7-6-8
Sample Matrix Soil
Sample Date 1/9/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.0	%			1	5021		1/11/2024	ZJW	1
Organic										
VOC's										
Benzene	< 0.025	mg/kg	0.025	0.1	1	8260B		1/16/2024	CJR	1
Bromobenzene	< 0.04	mg/kg	0.04	0.16	1	8260B		1/16/2024	CJR	1
Bromodichloromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		1/16/2024	CJR	1
Bromoform	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
tert-Butylbenzene	< 0.033	mg/kg	0.033	0.14	1	8260B		1/16/2024	CJR	1
sec-Butylbenzene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
n-Butylbenzene	< 0.029	mg/kg	0.029	0.12	1	8260B		1/16/2024	CJR	1
Carbon Tetrachloride	< 0.032	mg/kg	0.032	0.13	1	8260B		1/16/2024	CJR	1
Chlorobenzene	< 0.027	mg/kg	0.027	0.11	1	8260B		1/16/2024	CJR	1
Chloroethane	< 0.1	mg/kg	0.1	0.41	1	8260B		1/16/2024	CJR	1
Chloroform	< 0.032	mg/kg	0.032	0.13	1	8260B		1/16/2024	CJR	1
Chloromethane	< 0.064	mg/kg	0.064	0.26	1	8260B		1/16/2024	CJR	1
2-Chlorotoluene	< 0.034	mg/kg	0.034	0.14	1	8260B		1/16/2024	CJR	1
4-Chlorotoluene	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
1,2-Dibromo-3-chloropropane	< 0.055	mg/kg	0.055	0.22	1	8260B		1/16/2024	CJR	1
Dibromochloromethane	< 0.038	mg/kg	0.038	0.16	1	8260B		1/16/2024	CJR	1
1,4-Dichlorobenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
1,3-Dichlorobenzene	< 0.036	mg/kg	0.036	0.15	1	8260B		1/16/2024	CJR	1
1,2-Dichlorobenzene	< 0.026	mg/kg	0.026	0.11	1	8260B		1/16/2024	CJR	1
Dichlorodifluoromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		1/16/2024	CJR	1
1,2-Dichloroethane	< 0.042	mg/kg	0.042	0.17	1	8260B		1/16/2024	CJR	1
1,1-Dichloroethane	< 0.033	mg/kg	0.033	0.13	1	8260B		1/16/2024	CJR	1
1,1-Dichloroethene	< 0.049	mg/kg	0.049	0.2	1	8260B		1/16/2024	CJR	1
cis-1,2-Dichloroethene	< 0.027	mg/kg	0.027	0.11	1	8260B		1/16/2024	CJR	1
trans-1,2-Dichloroethene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
1,2-Dichloropropane	< 0.04	mg/kg	0.04	0.16	1	8260B		1/16/2024	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
trans-1,3-Dichloropropene	< 0.027	mg/kg	0.027	0.11	1	8260B		1/16/2024	CJR	1
cis-1,3-Dichloropropene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.11	1	8260B		1/16/2024	CJR	1
EDB (1,2-Dibromoethane)	< 0.025	mg/kg	0.025	0.1	1	8260B		1/16/2024	CJR	1
Ethylbenzene	< 0.023	mg/kg	0.023	0.096	1	8260B		1/16/2024	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.42	1	8260B		1/16/2024	CJR	1
Isopropylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
p-Isopropyltoluene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
Methylene chloride	< 0.1	mg/kg	0.1	0.42	1	8260B		1/16/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.036	mg/kg	0.036	0.15	1	8260B		1/16/2024	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		1/16/2024	CJR	1
n-Propylbenzene	< 0.025	mg/kg	0.025	0.1	1	8260B		1/16/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
1,1,1,2-Tetrachloroethane	< 0.041	mg/kg	0.041	0.17	1	8260B		1/16/2024	CJR	1
Tetrachloroethene	< 0.039	mg/kg	0.039	0.16	1	8260B		1/16/2024	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
1,2,4-Trichlorobenzene	< 0.045	mg/kg	0.045	0.18	1	8260B		1/16/2024	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		1/16/2024	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43440

Lab Code 5043440D
Sample ID 6348-MW-7-6-8
Sample Matrix Soil
Sample Date 1/9/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.037	mg/kg	0.037	0.15	1	8260B		1/16/2024	CJR	1
Trichloroethene (TCE)	< 0.039	mg/kg	0.039	0.16	1	8260B		1/16/2024	CJR	1
Trichlorofluoromethane	< 0.066	mg/kg	0.066	0.27	1	8260B		1/16/2024	CJR	1
1,2,4-Trimethylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
1,3,5-Trimethylbenzene	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
Vinyl Chloride	< 0.036	mg/kg	0.036	0.15	1	8260B		1/16/2024	CJR	1
m&p-Xylene	< 0.062	mg/kg	0.062	0.25	1	8260B		1/16/2024	CJR	1
o-Xylene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
SUR - 1,2-Dichloroethane-d4	94	Rec %			1	8260B		1/16/2024	CJR	1
SUR - 4-Bromofluorobenzene	90	Rec %			1	8260B		1/16/2024	CJR	1
SUR - Dibromofluoromethane	91	Rec %			1	8260B		1/16/2024	CJR	1
SUR - Toluene-d8	86	Rec %			1	8260B		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43440

Lab Code 5043440E
Sample ID 6348-DUP-1
Sample Matrix Soil
Sample Date 1/9/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.8	%			1	5021		1/11/2024	ZJW	1
Organic										
VOC's										
Benzene	< 0.025	mg/kg	0.025	0.1	1	8260B		1/16/2024	CJR	1
Bromobenzene	< 0.04	mg/kg	0.04	0.16	1	8260B		1/16/2024	CJR	1
Bromodichloromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		1/16/2024	CJR	1
Bromoform	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
tert-Butylbenzene	< 0.033	mg/kg	0.033	0.14	1	8260B		1/16/2024	CJR	1
sec-Butylbenzene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
n-Butylbenzene	< 0.029	mg/kg	0.029	0.12	1	8260B		1/16/2024	CJR	1
Carbon Tetrachloride	< 0.032	mg/kg	0.032	0.13	1	8260B		1/16/2024	CJR	1
Chlorobenzene	< 0.027	mg/kg	0.027	0.11	1	8260B		1/16/2024	CJR	1
Chloroethane	< 0.1	mg/kg	0.1	0.41	1	8260B		1/16/2024	CJR	1
Chloroform	< 0.032	mg/kg	0.032	0.13	1	8260B		1/16/2024	CJR	1
Chloromethane	< 0.064	mg/kg	0.064	0.26	1	8260B		1/16/2024	CJR	1
2-Chlorotoluene	< 0.034	mg/kg	0.034	0.14	1	8260B		1/16/2024	CJR	1
4-Chlorotoluene	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
1,2-Dibromo-3-chloropropane	< 0.055	mg/kg	0.055	0.22	1	8260B		1/16/2024	CJR	1
Dibromochloromethane	< 0.038	mg/kg	0.038	0.16	1	8260B		1/16/2024	CJR	1
1,4-Dichlorobenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
1,3-Dichlorobenzene	< 0.036	mg/kg	0.036	0.15	1	8260B		1/16/2024	CJR	1
1,2-Dichlorobenzene	< 0.026	mg/kg	0.026	0.11	1	8260B		1/16/2024	CJR	1
Dichlorodifluoromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		1/16/2024	CJR	1
1,2-Dichloroethane	< 0.042	mg/kg	0.042	0.17	1	8260B		1/16/2024	CJR	1
1,1-Dichloroethane	< 0.033	mg/kg	0.033	0.13	1	8260B		1/16/2024	CJR	1
1,1-Dichloroethene	< 0.049	mg/kg	0.049	0.2	1	8260B		1/16/2024	CJR	1
cis-1,2-Dichloroethene	< 0.027	mg/kg	0.027	0.11	1	8260B		1/16/2024	CJR	1
trans-1,2-Dichloroethene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
1,2-Dichloropropane	< 0.04	mg/kg	0.04	0.16	1	8260B		1/16/2024	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
trans-1,3-Dichloropropene	< 0.027	mg/kg	0.027	0.11	1	8260B		1/16/2024	CJR	1
cis-1,3-Dichloropropene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.11	1	8260B		1/16/2024	CJR	1
EDB (1,2-Dibromoethane)	< 0.025	mg/kg	0.025	0.1	1	8260B		1/16/2024	CJR	1
Ethylbenzene	< 0.023	mg/kg	0.023	0.096	1	8260B		1/16/2024	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.42	1	8260B		1/16/2024	CJR	1
Isopropylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
p-Isopropyltoluene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
Methylene chloride	< 0.1	mg/kg	0.1	0.42	1	8260B		1/16/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.036	mg/kg	0.036	0.15	1	8260B		1/16/2024	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		1/16/2024	CJR	1
n-Propylbenzene	< 0.025	mg/kg	0.025	0.1	1	8260B		1/16/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
1,1,1,2-Tetrachloroethane	< 0.041	mg/kg	0.041	0.17	1	8260B		1/16/2024	CJR	1
Tetrachloroethene	< 0.039	mg/kg	0.039	0.16	1	8260B		1/16/2024	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
1,2,4-Trichlorobenzene	< 0.045	mg/kg	0.045	0.18	1	8260B		1/16/2024	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		1/16/2024	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43440

Lab Code 5043440E
Sample ID 6348-DUP-1
Sample Matrix Soil
Sample Date 1/9/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.037	mg/kg	0.037	0.15	1	8260B		1/16/2024	CJR	1
Trichloroethene (TCE)	< 0.039	mg/kg	0.039	0.16	1	8260B		1/16/2024	CJR	1
Trichlorofluoromethane	< 0.066	mg/kg	0.066	0.27	1	8260B		1/16/2024	CJR	1
1,2,4-Trimethylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		1/16/2024	CJR	1
1,3,5-Trimethylbenzene	< 0.031	mg/kg	0.031	0.13	1	8260B		1/16/2024	CJR	1
Vinyl Chloride	< 0.036	mg/kg	0.036	0.15	1	8260B		1/16/2024	CJR	1
m&p-Xylene	< 0.062	mg/kg	0.062	0.25	1	8260B		1/16/2024	CJR	1
o-Xylene	< 0.03	mg/kg	0.03	0.12	1	8260B		1/16/2024	CJR	1
SUR - Toluene-d8	85	Rec %			1	8260B		1/16/2024	CJR	1
SUR - 1,2-Dichloroethane-d4	93	Rec %			1	8260B		1/16/2024	CJR	1
SUR - 4-Bromofluorobenzene	88	Rec %			1	8260B		1/16/2024	CJR	1
SUR - Dibromofluoromethane	93	Rec %			1	8260B		1/16/2024	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Environmental Lab, LLC

www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Sample Handling Request
Rush Analysis Date Required: _____
(Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____

QUOTE # : _____

Project # : 6348

Sampler: (signature) *M. Lerner*

Project (Name / Location): Harborview Cleaners / Port Washington, WI

Reports To: W. Fassbender / N. Morris

Company: EnviroForensics

Address: 825 N. Capitol Ave

City State Zip: Indianapolis, IN 46204

Phone: _____

Email: _____

Invoice To: Account Payable @ enviroforensics.com

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection Date	Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	
6348	6348-MW-6-2-4	1/9/2024	8:45	N	2	SL	Methanol																
6348	6348-MW-6-5-7	1/9/2024	8:50	N	2	SL	Methanol																
6348	6348-MW-7-2-4	1/9/2024	11:30	N	2	SL	Methanol																
6348	6348-MW-7-6-8	1/9/2024	11:45	N	2	SL	Methanol																
6348	6348-DUP-1	1/9/2024	---	N	2	SL	Methanol																

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

PO# 2023-0410

Sample Integrity - To be completed by receiving lab.

Method of Shipment: *Stair 1 QS*

Temp. of Temp. Blank: °C On Ice:

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *M. Lerner*

Time: 14:45 Date: 1/10/2024

Received By: (sign) _____

Time: _____ Date: _____

Received in Laboratory By: _____

349-100

Time: 0815

Date: 01/11/24

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43441

Lab Code 5043441D
Sample ID 6348-MW-4
Sample Matrix Water
Sample Date 1/10/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		1/11/2024	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		1/11/2024	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		1/11/2024	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		1/11/2024	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		1/11/2024	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		1/11/2024	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		1/11/2024	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		1/11/2024	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		1/11/2024	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		1/11/2024	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		1/11/2024	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		1/11/2024	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		1/11/2024	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		1/11/2024	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		1/11/2024	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		1/11/2024	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		1/11/2024	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/11/2024	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		1/11/2024	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		1/11/2024	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		1/11/2024	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		1/11/2024	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		1/11/2024	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		1/11/2024	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		1/11/2024	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		1/11/2024	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		1/11/2024	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/11/2024	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/11/2024	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		1/11/2024	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		1/11/2024	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		1/11/2024	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		1/11/2024	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		1/11/2024	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		1/11/2024	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		1/11/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		1/11/2024	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		1/11/2024	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		1/11/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		1/11/2024	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		1/11/2024	CJR	1
Tetrachloroethene	1.82 "J"	ug/l	0.47	1.91	1	8260B		1/11/2024	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		1/11/2024	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		1/11/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43441

Lab Code 5043441D
Sample ID 6348-MW-4
Sample Matrix Water
Sample Date 1/10/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		1/11/2024	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		1/11/2024	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		1/11/2024	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		1/11/2024	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		1/11/2024	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/11/2024	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		1/11/2024	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		1/11/2024	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		1/11/2024	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		1/11/2024	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		1/11/2024	CJR	1
SUR - 4-Bromofluorobenzene	108	REC %			1	8260B		1/11/2024	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		1/11/2024	CJR	1
SUR - Toluene-d8	106	REC %			1	8260B		1/11/2024	CJR	1

Project Name HARBORVIEW CLEANERS
 Project # 6348

Invoice # E43441

Lab Code 5043441E
 Sample ID 6348-MW-5
 Sample Matrix Water
 Sample Date 1/10/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		1/11/2024	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		1/11/2024	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		1/11/2024	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		1/11/2024	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		1/11/2024	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		1/11/2024	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		1/11/2024	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		1/11/2024	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		1/11/2024	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		1/11/2024	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		1/11/2024	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		1/11/2024	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		1/11/2024	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		1/11/2024	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		1/11/2024	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		1/11/2024	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		1/11/2024	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/11/2024	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		1/11/2024	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		1/11/2024	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		1/11/2024	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		1/11/2024	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		1/11/2024	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		1/11/2024	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		1/11/2024	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		1/11/2024	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		1/11/2024	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/11/2024	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/11/2024	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		1/11/2024	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		1/11/2024	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		1/11/2024	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		1/11/2024	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		1/11/2024	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		1/11/2024	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		1/11/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		1/11/2024	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		1/11/2024	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		1/11/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		1/11/2024	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		1/11/2024	CJR	1
Tetrachloroethene	1.39 "J"	ug/l	0.47	1.91	1	8260B		1/11/2024	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		1/11/2024	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		1/11/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43441

Lab Code 5043441E
Sample ID 6348-MW-5
Sample Matrix Water
Sample Date 1/10/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		1/11/2024	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		1/11/2024	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		1/11/2024	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		1/11/2024	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		1/11/2024	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/11/2024	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		1/11/2024	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		1/11/2024	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		1/11/2024	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		1/11/2024	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		1/11/2024	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %			1	8260B		1/11/2024	CJR	1
SUR - 4-Bromofluorobenzene	107	REC %			1	8260B		1/11/2024	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		1/11/2024	CJR	1

Synergy Environmental Lab, LLC.

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Report Date 01-Feb-24

Project Name HARBORVIEW, PEWAUKEE
Project # 6348

Invoice # E43491

Lab Code 5043491A
Sample ID MW-6
Sample Matrix Water
Sample Date 1/24/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		1/29/2024	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		1/29/2024	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		1/29/2024	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		1/29/2024	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		1/29/2024	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		1/29/2024	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		1/29/2024	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		1/29/2024	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		1/29/2024	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		1/29/2024	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		1/29/2024	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		1/29/2024	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		1/29/2024	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		1/29/2024	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		1/29/2024	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		1/29/2024	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		1/29/2024	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/29/2024	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		1/29/2024	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		1/29/2024	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		1/29/2024	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		1/29/2024	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		1/29/2024	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		1/29/2024	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		1/29/2024	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		1/29/2024	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		1/29/2024	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/29/2024	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/29/2024	CJR	1

Project Name HARBORVIEW, PEWAUKEE
Project # 6348

Invoice # E43491

Lab Code 5043491A
Sample ID MW-6
Sample Matrix Water
Sample Date 1/24/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		1/29/2024	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		1/29/2024	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		1/29/2024	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		1/29/2024	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		1/29/2024	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		1/29/2024	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		1/29/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		1/29/2024	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		1/29/2024	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		1/29/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		1/29/2024	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		1/29/2024	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		1/29/2024	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		1/29/2024	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		1/29/2024	CJR	1
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		1/29/2024	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		1/29/2024	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		1/29/2024	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		1/29/2024	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		1/29/2024	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/29/2024	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		1/29/2024	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		1/29/2024	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		1/29/2024	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		1/29/2024	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		1/29/2024	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		1/29/2024	CJR	1
SUR - 1,2-Dichloroethane-d4	103	REC %			1	8260B		1/29/2024	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		1/29/2024	CJR	1

Project Name HARBORVIEW, PEWAUKEE
 Project # 6348

Invoice # E43491

Lab Code 5043491B
 Sample ID MW-7
 Sample Matrix Water
 Sample Date 1/24/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		1/29/2024	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		1/29/2024	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		1/29/2024	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		1/29/2024	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		1/29/2024	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		1/29/2024	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		1/29/2024	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		1/29/2024	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		1/29/2024	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		1/29/2024	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		1/29/2024	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		1/29/2024	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		1/29/2024	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		1/29/2024	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		1/29/2024	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		1/29/2024	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		1/29/2024	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/29/2024	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		1/29/2024	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		1/29/2024	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		1/29/2024	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		1/29/2024	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		1/29/2024	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		1/29/2024	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		1/29/2024	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		1/29/2024	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		1/29/2024	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/29/2024	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/29/2024	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		1/29/2024	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		1/29/2024	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		1/29/2024	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		1/29/2024	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		1/29/2024	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		1/29/2024	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		1/29/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		1/29/2024	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		1/29/2024	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		1/29/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		1/29/2024	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		1/29/2024	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		1/29/2024	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		1/29/2024	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		1/29/2024	CJR	1
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		1/29/2024	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		1/29/2024	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		1/29/2024	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		1/29/2024	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		1/29/2024	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/29/2024	CJR	1

Project Name HARBORVIEW, PEWAUKEE
Project # 6348

Invoice # E43491

Lab Code 5043491B
Sample ID MW-7
Sample Matrix Water
Sample Date 1/24/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		1/29/2024	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		1/29/2024	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		1/29/2024	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		1/29/2024	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		1/29/2024	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		1/29/2024	CJR	1
SUR - Dibromofluoromethane	94	REC %			1	8260B		1/29/2024	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		1/29/2024	CJR	1

Project Name HARBORVIEW, PEWAUKEE
Project # 6348

Invoice # E43491

Lab Code 5043491C
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 1/24/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		1/29/2024	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		1/29/2024	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		1/29/2024	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		1/29/2024	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		1/29/2024	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		1/29/2024	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		1/29/2024	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		1/29/2024	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		1/29/2024	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		1/29/2024	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		1/29/2024	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		1/29/2024	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		1/29/2024	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		1/29/2024	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		1/29/2024	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		1/29/2024	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		1/29/2024	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/29/2024	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		1/29/2024	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		1/29/2024	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		1/29/2024	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		1/29/2024	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		1/29/2024	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		1/29/2024	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		1/29/2024	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		1/29/2024	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		1/29/2024	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/29/2024	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/29/2024	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		1/29/2024	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		1/29/2024	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		1/29/2024	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		1/29/2024	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		1/29/2024	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		1/29/2024	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		1/29/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		1/29/2024	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		1/29/2024	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		1/29/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		1/29/2024	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		1/29/2024	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		1/29/2024	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		1/29/2024	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		1/29/2024	CJR	1
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		1/29/2024	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		1/29/2024	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		1/29/2024	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		1/29/2024	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		1/29/2024	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/29/2024	CJR	1

Project Name HARBORVIEW, PEWAUKEE
Project # 6348

Invoice # E43491

Lab Code 5043491C
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 1/24/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B	1/29/2024	1/29/2024	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B	1/29/2024	1/29/2024	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B	1/29/2024	1/29/2024	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B	1/29/2024	1/29/2024	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B	1/29/2024	1/29/2024	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B	1/29/2024	1/29/2024	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B	1/29/2024	1/29/2024	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B	1/29/2024	1/29/2024	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code ***Comment***

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Lab I.D. # _____

QUOTE # : _____

Project #: 6348 - Harborview

Sampler: (signature) [Signature]

www.synergy-lab.net
 1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • mrsynergy@wi.twcbb.com

Sample Handling Request

Rush Analysis Date Required: _____
 (Rushes accepted only with prior authorization)

Normal Turn Around

Project (Name / Location): Pewaukee, WI

Reports To: _____ Invoice To: Enviro Forensics

Company: Enviro Forensics Company: _____

Address: _____ Address: _____

City State Zip: _____ City State Zip: _____

Phone: _____ Phone: _____

Email: _____ Email: _____

Analysis Requested										Other Analysis									
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	PID/ FID				

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<u>5043491A</u>	<u>BMW-6</u>	<u>1/24/24</u>	<u>11:20</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCL</u>
	<u>BMW-7</u>	<u>1/24/24</u>	<u>11:35</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HCL</u>
	<u>C Trip Blank</u>						

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Trip Blank with samples - added to chain 01.25.24

Sample Integrity - To be completed by receiving lab.

Method of Shipment: CS

Temp. of Temp. Blank: _____ °C On Ice: Y

Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign) [Signature] Time 2:00 Date 1/24/24

Received By: (sign) _____ Time _____ Date _____

Received in Laboratory By: [Signature] Time: 9:00 Date: 01.25.24

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43442

Lab Code 5043442C
Sample ID 6348-126-SS-1
Sample Matrix Air
Sample Date 1/8/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	< 150	ug/m3	2.99	9.5	10	TO-15		1/16/2024	CJR	1
Benzene	< 1.36	ug/m3	1.36	4.33	10	TO-15		1/16/2024	CJR	1
Benzyl Chloride	< 2.09	ug/m3	2.09	6.65	10	TO-15		1/16/2024	CJR	1
Bromodichloromethane	< 3.74	ug/m3	3.74	11.9	10	TO-15		1/16/2024	CJR	1
Bromoform	< 4.14	ug/m3	4.14	13.2	10	TO-15		1/16/2024	CJR	1
Bromomethane	< 2	ug/m3	2	6.37	10	TO-15		1/16/2024	CJR	1
1,3-Butadiene	< 1.43	ug/m3	1.43	4.54	10	TO-15		1/16/2024	CJR	1
Carbon Disulfide	< 1.38	ug/m3	1.38	4.4	10	TO-15		1/16/2024	CJR	5
Carbon Tetrachloride	< 3.07	ug/m3	3.07	9.78	10	TO-15		1/16/2024	CJR	1
Chlorobenzene	< 2.51	ug/m3	2.51	7.98	10	TO-15		1/16/2024	CJR	1
Chloroethane	< 1.59	ug/m3	1.59	5.07	10	TO-15		1/16/2024	CJR	1
Chloroform	< 3	ug/m3	3	9.53	10	TO-15		1/16/2024	CJR	1
Chloromethane	< 8.31	ug/m3	8.31	26.4	10	TO-15		1/16/2024	CJR	1
Cyclohexane	< 2.12	ug/m3	2.12	6.74	10	TO-15		1/16/2024	CJR	1
Dibromochloromethane	< 3.76	ug/m3	3.76	12	10	TO-15		1/16/2024	CJR	1
1,4-Dichlorobenzene	< 3.02	ug/m3	3.02	9.6	10	TO-15		1/16/2024	CJR	1
1,3-Dichlorobenzene	< 3.02	ug/m3	3.02	9.6	10	TO-15		1/16/2024	CJR	1
1,2-Dichlorobenzene	< 2.35	ug/m3	2.35	7.49	10	TO-15		1/16/2024	CJR	1
Dichlorodifluoromethane	65	ug/m3	2.63	8.36	10	TO-15		1/16/2024	CJR	1
1,2-Dichloroethane	< 2.4	ug/m3	2.4	7.63	10	TO-15		1/16/2024	CJR	1
1,1-Dichloroethane	< 1.87	ug/m3	1.87	5.96	10	TO-15		1/16/2024	CJR	1
1,1-Dichloroethene	< 2.1	ug/m3	2.1	6.68	10	TO-15		1/16/2024	CJR	1
cis-1,2-Dichloroethene	< 1.97	ug/m3	1.97	6.26	10	TO-15		1/16/2024	CJR	1
trans-1,2-Dichloroethene	< 2.31	ug/m3	2.31	7.34	10	TO-15		1/16/2024	CJR	1
1,2-Dichloropropane	< 2.8	ug/m3	2.8	8.9	10	TO-15		1/16/2024	CJR	1
trans-1,3-Dichloropropene	< 1.98	ug/m3	1.98	6.3	10	TO-15		1/16/2024	CJR	1
cis-1,3-Dichloropropene	< 2.34	ug/m3	2.34	7.45	10	TO-15		1/16/2024	CJR	1
1,2-Dichlorotetrafluoroethane	< 4.46	ug/m3	4.46	14.2	10	TO-15		1/16/2024	CJR	1
1,4-Dioxane	< 1.57	ug/m3	1.57	5	10	TO-15		1/16/2024	CJR	1
EDB (1,2-Dibromoethane)	< 3.42	ug/m3	3.42	10.9	10	TO-15		1/16/2024	CJR	1
Ethanol	267	ug/m3	1.52	4.82	10	TO-15		1/16/2024	CJR	1
Ethyl Acetate	< 1.76	ug/m3	1.76	5.59	10	TO-15		1/16/2024	CJR	1
Ethylbenzene	< 2.03	ug/m3	2.03	6.45	10	TO-15		1/16/2024	CJR	1
4-Ethyltoluene	< 2.14	ug/m3	2.14	6.81	10	TO-15		1/16/2024	CJR	1
Heptane	< 2.65	ug/m3	2.65	8.45	10	TO-15		1/16/2024	CJR	1
Hexachlorobutadiene	< 4.89	ug/m3	4.89	15.6	10	TO-15		1/16/2024	CJR	1
Hexane	< 150	ug/m3	2.35	7.48	10	TO-15		1/16/2024	CJR	1
2-Hexanone	< 2.22	ug/m3	2.22	7.07	10	TO-15		1/16/2024	CJR	1
Isopropyl Alcohol	15.7	ug/m3	1.09	3.47	10	TO-15		1/16/2024	CJR	1
Methyl ethyl ketone (MEK)	< 1.78	ug/m3	1.78	5.67	10	TO-15		1/16/2024	CJR	1
Methyl isobutyl ketone (MIBK)	< 1.68	ug/m3	1.68	5.36	10	TO-15		1/16/2024	CJR	1
Methyl Methacrylate	< 2.17	ug/m3	2.17	6.9	10	TO-15		1/16/2024	CJR	1
Methylene chloride	305	ug/m3	1.59	5.06	10	TO-15		1/16/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.6	ug/m3	1.6	5.09	10	TO-15		1/16/2024	CJR	1
Naphthalene	< 6.75	ug/m3	6.75	21.5	10	TO-15		1/16/2024	CJR	1
Propene	< 0.79	ug/m3	0.79	2.51	10	TO-15		1/16/2024	CJR	1
Styrene	< 1.81	ug/m3	1.81	5.77	10	TO-15		1/16/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 3.25	ug/m3	3.25	10.3	10	TO-15		1/16/2024	CJR	1
Tetrachloroethene	128	ug/m3	2.78	8.84	10	TO-15		1/16/2024	CJR	1
Tetrahydrofuran	< 1.31	ug/m3	1.31	4.17	10	TO-15		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43442

Lab Code 5043442C
Sample ID 6348-126-SS-1
Sample Matrix Air
Sample Date 1/8/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Toluene	3.8 "J"	ug/m3	1.84	5.85	10	TO-15		1/16/2024	CJR	1
1,2,4-Trichlorobenzene	< 6.57	ug/m3	6.57	20.9	10	TO-15		1/16/2024	CJR	1
1,1,1-Trichloroethane	< 2.49	ug/m3	2.49	7.93	10	TO-15		1/16/2024	CJR	1
1,1,2-Trichloroethane	< 2.58	ug/m3	2.58	8.22	10	TO-15		1/16/2024	CJR	1
Trichloroethene (TCE)	19.8	ug/m3	2.37	7.54	10	TO-15		1/16/2024	CJR	1
Trichlorofluoromethane	< 3.37	ug/m3	3.37	10.7	10	TO-15		1/16/2024	CJR	1
Trichlorotrifluoroethane	< 4.02	ug/m3	4.02	12.8	10	TO-15		1/16/2024	CJR	1
1,2,4-Trimethylbenzene	< 2.83	ug/m3	2.83	8.99	10	TO-15		1/16/2024	CJR	1
1,3,5-Trimethylbenzene	< 2.32	ug/m3	2.32	7.39	10	TO-15		1/16/2024	CJR	1
Vinyl acetate	< 2.03	ug/m3	2.03	6.45	10	TO-15		1/16/2024	CJR	1
Vinyl Chloride	< 1.48	ug/m3	1.48	4.72	10	TO-15		1/16/2024	CJR	1
m&p-Xylene	< 3.77	ug/m3	3.77	12	10	TO-15		1/16/2024	CJR	1
o-Xylene	< 2.18	ug/m3	2.18	6.95	10	TO-15		1/16/2024	CJR	1

EnviroForensics
 N16W23390 Stone Ridge Dr, Suite G
 Waukesha, WI 53188

Site Name: Harborview Cleaners
Site Location: Oconomowoc, WI
Project Manager: Wayne Fassbender

Beacon Proposal: 240102R01
Lab Work Order: 0007479
Reported: 02/05/2024

Lab Sample ID: 0007479-01

126-IA-B
 Indoor Air

Method: TO-17 (Passive)

Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.0443	U	0.0443	0.0886	01/30/2024 12:08	Aa24013005.D
trans-1,2-Dichloroethene	156-60-5	<0.0354	U	0.0354	0.0708	01/30/2024 12:08	Aa24013005.D
cis-1,2-Dichloroethene	156-59-2	<0.0354	U	0.0354	0.0708	01/30/2024 12:08	Aa24013005.D
Trichloroethene	79-01-6	0.0877		0.0381	0.0763	01/30/2024 12:08	Aa24013005.D
Tetrachloroethene	127-18-4	5.79		0.0451	0.0902	01/30/2024 12:08	Aa24013005.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	99.0%	70-130			01/30/2024 12:08	Aa24013005.D
Surrogate: Toluene-d8	2037-26-5	80.9%	70-130			01/30/2024 12:08	Aa24013005.D

EnviroForensics N16W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	Site Name: Harborview Cleaners Site Location: Oconomowoc, WI Project Manager: Wayne Fassbender	Beacon Proposal: 240102R01 Lab Work Order: 0007479 Reported: 02/05/2024
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Lab Sample ID: 0007479-02	126-IA-1F	Method: TO-17 (Passive)
Indoor Air		

Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.0443	U	0.0443	0.0886	01/30/2024 12:38	Aa24013006.D
trans-1,2-Dichloroethene	156-60-5	<0.0354	U	0.0354	0.0708	01/30/2024 12:38	Aa24013006.D
cis-1,2-Dichloroethene	156-59-2	<0.0354	U	0.0354	0.0708	01/30/2024 12:38	Aa24013006.D
Trichloroethene	79-01-6	<0.0381	U	0.0381	0.0763	01/30/2024 12:38	Aa24013006.D
Tetrachloroethene	127-18-4	6.11		0.0451	0.0902	01/30/2024 12:38	Aa24013006.D
<i>Analyte</i>	<i>CAS#</i>	<i>% Recovery</i>	<i>Recovery Limits</i>	<i>Q</i>		<i>Analyzed</i>	<i>File ID</i>
<i>Surrogate: 1,2-DCA-d4</i>	17060-07-0	107%	70-130			01/30/2024 12:38	Aa24013006.D
<i>Surrogate: Toluene-d8</i>	2037-26-5	89.9%	70-130			01/30/2024 12:38	Aa24013006.D

EnviroForensics N16W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	Site Name: Harborview Cleaners Site Location: Oconomowoc, WI Project Manager: Wayne Fassbender	Beacon Proposal: 240102R01 Lab Work Order: 0007479 Reported: 02/05/2024
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Lab Sample ID: 0007479-09	2348-OA Ambient Air	Method: TO-17 (Passive)
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Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.0446	U	0.0446	0.0891	01/30/2024 16:45	Aa24013013.D
trans-1,2-Dichloroethene	156-60-5	<0.0356	U	0.0356	0.0713	01/30/2024 16:45	Aa24013013.D
cis-1,2-Dichloroethene	156-59-2	<0.0356	U	0.0356	0.0713	01/30/2024 16:45	Aa24013013.D
Trichloroethene	79-01-6	0.0676	J	0.0384	0.0768	01/30/2024 16:45	Aa24013013.D
Tetrachloroethene	127-18-4	5.46		0.0454	0.0907	01/30/2024 16:45	Aa24013013.D
<i>Analyte</i>	<i>CAS#</i>	<i>% Recovery</i>	<i>Recovery Limits</i>	<i>Q</i>		<i>Analyzed</i>	<i>File ID</i>
<i>Surrogate: 1,2-DCA-d4</i>	17060-07-0	72.3%	70-130			01/30/2024 16:45	Aa24013013.D
<i>Surrogate: Toluene-d8</i>	2037-26-5	66.8%	70-130	S5		01/30/2024 16:45	Aa24013013.D



March 8, 2024

Alphonse Jr. and Margaret Uselding
1756 North Holden Street
Port Washington, WI 53074

Subject: Environmental Investigation Sampling Results
BRRTS#: 02-46-548092

Dear Mr. Uselding:

In accordance with Wisconsin Department of Natural Resources (WDNR) regulation NR 716.14, EnviroForensics, LLC (EnviroForensics) is providing the results of vapor samples collected from your commercial property located at 105-107 North Franklin Street in Port Washington, Wisconsin on September 25-26, 2019. Vapor samples were also collected from the second floor residential properties identified as 103 and 109 North Franklin Street. The sampling activities are part of an environmental investigation being performed for the Harborview Cleaners facility located at 134 East Grand Avenue in Port Washington, Wisconsin at the direction of the WDNR. The chemicals of concern for the investigation are the dry cleaning solvent tetrachloroethene (PCE) and its associated breakdown products.

One (1) sub-slab vapor sample was collected from each of the basements at 105 and 107 North Franklin Street and one (1) indoor air sample was collected from each of the associated first floor commercial spaces at these locations. In addition, one (1) indoor air sample was collected from each of the residential units on the second floor identified as 103 and 109 N. Franklin Street. One (1) outdoor air sample was also collected for quality control purposes. The sample locations are shown on the attached figure. The results of the samples are summarized and compared to WDNR standards in the attached **Table 1**. An excerpt of the Synergy Laboratory report that relates to the sub-slab vapor samples is also attached along with an excerpt of the Beacon passive indoor air sampling results.

Sampling Results

As presented in **Table 1**, the concentrations of both PCE and trichloroethene (TCE) have increased in sub-slab sample 6348-105-SS-1 and the concentration of PCE has increased in sample 6348-105-SS-2. Although these concentrations are below the small commercial vapor risk screening levels (VRSLs), the sample at SS-1 contained a PCE concentration which exceeds the residential VRSL.

Document: 6348-0841

Higher PCE concentrations were detected within the indoor air of all basement, first floor, and second floor spaces with the exception of the first floor commercial space at 107 N. Franklin Street. The concentrations of PCE and TCE detected within indoor air are all below the small commercial vapor action levels (VALs) since these exposure levels are based on an 8-hour per day occupancy duration. However, the concentration of PCE in sample 6348-103-IA is above the residential VAL and the concentration of PCE in sample 6348-109-IA is very close to the residential VAL. These samples were both collected within the second floor residential apartments. The residential VAL is lower because it is calculated based on a 24-hour per day exposure duration.

To eliminate the exposure risk to the residents within the second floor apartments, the existing sub-slab depressurization system (SSDS) needs to be turned on for continuous operation. During our sampling, we noticed that a large void had opened in the dirt floor surrounding the existing SSDS extraction point located in the basement of 105 N. Franklin Street. That will need to be repaired and the source of damage identified. We will schedule a time to inspect the source of damage, initiate repairs, and turn on the SSDS in the near future.

If you have any questions or would like us to discuss these results with you, please contact Scott Powell at 317-608-2706 or at rspowell@enviroforensics.com. The WDNR project manager, John Feeney, can be reached at 262-416-8643. We greatly appreciate your help and patience with this matter.

Sincerely,
EnviroForensics, LLC

A handwritten signature in black ink that reads "Wayne P. Fassbender".

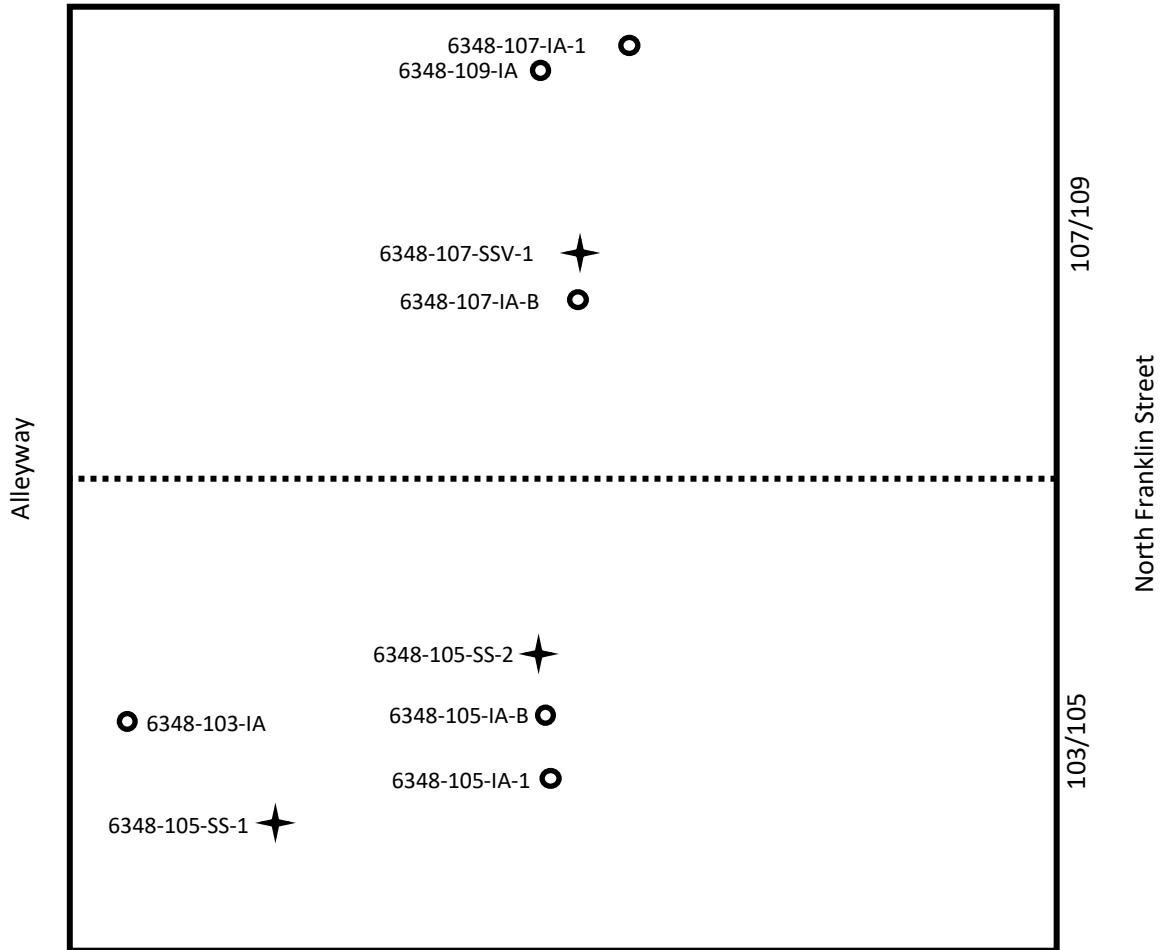
Wayne Fassbender, PG
Senior Project Manager

Attachments: Vapor Intrusion Sample Locations Figure
Table 1: Vapor Intrusion Assessment Results Summary
Excerpt from Synergy Laboratory Vapor Analytical Report
Excerpt from Beacon Environmental Analytical Report

Copy: John Feeney, Wisconsin Department of Natural Resources

VAPOR INTRUSION SAMPLE LOCATIONS
103 through 109 N. Franklin Street, Port Washington, Wisconsin

6348-OA ○



Legend

○ Indoor/Outdoor Air Sample

★ Sub-Slab Vapor Sample

IA-B = Basement

IA-1 = 1st Floor

IA = 2nd Floor



TABLE 1
VAPOR INTRUSION ASSESSMENT RESULTS SUMMARY

Harborview Cleaners
Port Washington, Wisconsin

Address	Sample Identification	Sample Location	Exposure Criteria	Sample Date	Mitigation	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
INDOOR/OUTDOOR AIR										
Residential Vapor Action Level						42	2.1	NE	42	1.7
Small Commercial Vapor Action Level						180	8.8	NE	180	28
103-109 N. Franklin St.	6348-OA	Outdoor	Small Commercial	12/2/2015	Pre	5.22	<1.07	<19.8	<39.6	<1.28
				1/13/2016	Pre	4.75	<1.07	<3.96	<3.96	<0.64
				5/24/2016	Post	6.92	<1.07	<3.96	<3.96	<0.64
				11/2/2016	Post	16.9	<1.07	<3.96	<3.96	<0.64
				8/8/2017	Post	<3.19	<1.07	<19.8	<39.6	<1.28
				2/27/2018	Post	<3.19	<1.07	<19.8	<39.6	<1.28
				2/15/2019	Post	<3.19	<1.07	<19.8	<39.6	<1.28
				9/26/2019	Post	<3.19	<1.07	<19.8	<39.6	<1.28
				2/18/2020	Post	<3.19	<1.07	<19.8	<39.6	<1.28
				8/25/2020	Off **	<3.19	<1.07	<19.8	<39.6	<1.28
				1/10/2024	Off	5.46	0.0676 J	<0.0356 U	<0.0356 U	<0.0446 U
				6348-105-IA-B	Basement	Small Commercial	12/2/2015	Pre	852	<1.07
	1/13/2016	Pre	1,130				<1.07	<3.96	<3.96	<0.64
	5/24/2016	Post	4,260				<1.07	<3.96	<3.96	<0.64
	11/2/2016	Post	402				<1.07	<3.96	<3.96	<0.64
	8/8/2017	Post	303				<1.07	<19.8	<39.6	<1.28
	2/27/2018	Post	324				<1.07	<19.8	<39.6	<1.28
	2/15/2019	Post	41.8				<1.07	<19.8	<39.6	<1.28
	9/26/2019	Post	30.4				<1.07	<19.8	<39.6	<1.28
	2/18/2020	Post	36.4				<1.07	<19.8	<39.6	<1.28
	8/25/2020	Post **	23.3				<1.07	<19.8	<39.6	<1.28
	1/10/2024	Off	191 D				1.06	<0.0354 U	<0.0354 U	<0.0443 U
	6348-107-IA-B	Basement	Small Commercial				12/2/2015	Pre	265	<1.07
				1/13/2016	Pre	504	<1.07	<3.96	<3.96	<0.64
				5/24/2016	Post	1,420	<1.07	<3.96	<3.96	<0.64
				11/2/2016	Post	188	<1.07	<3.96	<3.96	<0.64
				8/8/2017	Post	165	<1.07	<19.8	<39.6	<1.28
				2/27/2018	Post	13.5	<1.07	<19.8	<39.6	<1.28
				2/15/2019	Post	9.09	<1.07	<19.8	<39.6	<1.28
				9/26/2019	Post	6.85	<1.07	<19.8	<39.6	<1.28
				2/18/2020	Post	10.5	<1.07	<19.8	<39.6	<1.28
				8/25/2020	Post **	16.5	<1.07	<19.8	<39.6	<1.28
				1/10/2024	Off	52.6 D	0.473	<0.0355 U	<0.0355 U	<0.0443 U
				6348-105/107-IA-1	1st Floor	Small Commercial	12/2/2015	Pre	199	<1.07
	6348-105-IA-1	1st Floor	Small Commercial	1/13/2016	Pre	296	<1.07	<3.96	<3.96	<0.64
				5/24/2016	Post	1,480	<1.07	<3.96	<3.96	<0.64
				11/2/2016	Post	277	<1.07	<3.96	<3.96	<0.64
				8/8/2017	Post	132	<1.07	<19.8	<39.6	<1.28
				2/27/2018	Post	53.0	<1.07	<19.8	<39.6	<1.28
				2/15/2019	Post	13.2	<1.07	<19.8	<39.6	<1.28
				9/26/2019	Post	13.9	<1.07	<19.8	<39.6	<1.28
				8/25/2020	Post **	44.8	<1.07	<19.8	<39.6	<1.28
				1/10/2024	Off	71.1 D	0.127	<0.0354 U	<0.0354 U	<0.0443 U
				6348-107-IA-1	1st Floor	Small Commercial	1/13/2016	Pre	178	<1.07
	1/10/2024	Off	64.9 D	0.103	<0.0354 U	<0.0354 U	<0.0443 U			
	6348-103-IA	2nd Floor	Residential	12/2/2015	Pre	288	<1.07	<19.8	<39.6	<1.28
				1/13/2016	Pre	849	<1.07	<3.96	<3.96	<0.64
				5/24/2016	Post	100	<1.07	<3.96	<3.96	<0.64
				11/2/2016	Post	217	<1.07	<3.96	<3.96	<0.64
				8/8/2017	Post	101	<1.07	<19.8	<39.6	<1.28
				2/27/2018	Post	56.5	<1.07	<19.8	<39.6	<1.28
				2/18/2020	Post	14.0	<1.07	<19.8	<39.6	<1.28
8/25/2020				Post **	7.39	<1.07	<19.8	<39.6	<1.28	
1/10/2024				Off	81.6 D	0.317	<0.0356 U	<0.0356 U	<0.0445 U	
6348-109-IA				2nd Floor	Residential	12/2/2015	Pre	88.0	<1.07	<19.8
	1/13/2016	Pre	649			<1.07	<3.96	<3.96	<0.64	
	5/24/2016	Post	352			<1.07	<3.96	<3.96	<0.64	
	11/2/2016	Post	60			<1.07	<3.96	<3.96	<0.64	
	8/8/2017	Post	51.0			<1.07	<19.8	<39.6	<1.28	
	3/14/2019	Post	<3.19			<1.07	<19.8	<39.6	<1.28	
	2/18/2020	Post	5.63			<1.07	<19.8	<39.6	<1.28	
	8/25/2020	Post **	<3.19			<1.07	<19.8	<39.6	<1.28	
	1/10/2024	Off	38.0 D			0.0550 J	<0.0355 U	<0.0355 U	<0.0444 U	
	SUB-SLAB VAPOR									
Residential Vapor Risk Screening Level						1,400	70	NE	1,400	56
Small Commercial Vapor Risk Screening Level						5,800	290	NE	5,800	930
103-109 N. Franklin St.	6348-107-SSV-1	Basement	Small Commercial	12/3/2015	Pre	142	<10.7	<198	<396	<12.8
				1/13/2016	Pre	326	<10.7	<39.6	<39.6	<6.4
				1/8/2024	Off	162	<2.37	<1.97	<2.31	<1.48
	6348-EP-2 (SSDS Extraction Point)	Basement	Small Commercial	11/2/2016	Post	4,480	107	<39.6	<39.6	<6.4
				8/8/2017	Post	317	146	<198	<396	<12.8
				2/27/2018	Post	120	<10.7	<198	<396	<12.8
				2/15/2019	Post	52.9	317	<198	<396	<12.8
				9/26/2019	Post	158	<10.7	<198	<396	<12.8
				2/18/2020	Post	2,070	69.3	<198	<396	<12.8
	6348-105-SS-1	Basement	Small Commercial	8/25/2020	Off **	199	<10.7	<198	<396	<12.8
				1/8/2024	Off	1,960	8.6	<1.97	<2.31	<1.48
	6348-105-SS-2	Basement	Small Commercial	8/25/2020	Off **	98.3	<10.7	<198	<396	<12.8
				1/8/2024	Off	350	<2.37	<1.97	<2.31	<1.48
	6348-105-SS-3	Basement	Small Commercial	8/25/2020	Off **	104	<10.7	<198	<396	<12.8

Notes:
 ** = Vapor mitigation system shut down three weeks prior to sample collection
 Vapor Action and Risk Screening Levels are calculated according to WDNR Publication RR-800 and subsequent vapor intrusion guidance documents
 Results reported in micrograms per cubic meter (µg/m³)
 "J" flag indicates concentration above method detection limit but below reporting limit
 "D" flag indicates that a dilution was required to report within calibration limits
 "U" flag indicates analyte not detected. Limit of detection adjusted for either dilution or concentration of sample.
 NE = Screening/action level not established
 NR = Not Remediated
 NA = Not Analyzed
Bolded values are above detection limits
Bolded and shaded values exceed the applicable screening or action level

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43442

Lab Code 5043442D
Sample ID 6348-107-SSV-1
Sample Matrix Air
Sample Date 1/8/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	< 150	ug/m3	2.99	9.5	10	TO-15		1/16/2024	CJR	1
Benzene	2.24 "J"	ug/m3	1.36	4.33	10	TO-15		1/16/2024	CJR	1
Benzyl Chloride	< 2.09	ug/m3	2.09	6.65	10	TO-15		1/16/2024	CJR	1
Bromodichloromethane	< 3.74	ug/m3	3.74	11.9	10	TO-15		1/16/2024	CJR	1
Bromoform	< 4.14	ug/m3	4.14	13.2	10	TO-15		1/16/2024	CJR	1
Bromomethane	< 2	ug/m3	2	6.37	10	TO-15		1/16/2024	CJR	1
1,3-Butadiene	< 1.43	ug/m3	1.43	4.54	10	TO-15		1/16/2024	CJR	1
Carbon Disulfide	< 1.38	ug/m3	1.38	4.4	10	TO-15		1/16/2024	CJR	5
Carbon Tetrachloride	< 3.07	ug/m3	3.07	9.78	10	TO-15		1/16/2024	CJR	1
Chlorobenzene	< 2.51	ug/m3	2.51	7.98	10	TO-15		1/16/2024	CJR	1
Chloroethane	< 1.59	ug/m3	1.59	5.07	10	TO-15		1/16/2024	CJR	1
Chloroform	< 3	ug/m3	3	9.53	10	TO-15		1/16/2024	CJR	1
Chloromethane	< 8.31	ug/m3	8.31	26.4	10	TO-15		1/16/2024	CJR	1
Cyclohexane	< 2.12	ug/m3	2.12	6.74	10	TO-15		1/16/2024	CJR	1
Dibromochloromethane	< 3.76	ug/m3	3.76	12	10	TO-15		1/16/2024	CJR	1
1,4-Dichlorobenzene	< 3.02	ug/m3	3.02	9.6	10	TO-15		1/16/2024	CJR	1
1,3-Dichlorobenzene	< 3.02	ug/m3	3.02	9.6	10	TO-15		1/16/2024	CJR	1
1,2-Dichlorobenzene	< 2.35	ug/m3	2.35	7.49	10	TO-15		1/16/2024	CJR	1
Dichlorodifluoromethane	4 "J"	ug/m3	2.63	8.36	10	TO-15		1/16/2024	CJR	1
1,2-Dichloroethane	< 2.4	ug/m3	2.4	7.63	10	TO-15		1/16/2024	CJR	1
1,1-Dichloroethane	< 1.87	ug/m3	1.87	5.96	10	TO-15		1/16/2024	CJR	1
1,1-Dichloroethene	< 2.1	ug/m3	2.1	6.68	10	TO-15		1/16/2024	CJR	1
cis-1,2-Dichloroethene	< 1.97	ug/m3	1.97	6.26	10	TO-15		1/16/2024	CJR	1
trans-1,2-Dichloroethene	< 2.31	ug/m3	2.31	7.34	10	TO-15		1/16/2024	CJR	1
1,2-Dichloropropane	< 2.8	ug/m3	2.8	8.9	10	TO-15		1/16/2024	CJR	1
trans-1,3-Dichloropropene	< 1.98	ug/m3	1.98	6.3	10	TO-15		1/16/2024	CJR	1
cis-1,3-Dichloropropene	< 2.34	ug/m3	2.34	7.45	10	TO-15		1/16/2024	CJR	1
1,2-Dichlorotetrafluoroethane	< 4.46	ug/m3	4.46	14.2	10	TO-15		1/16/2024	CJR	1
1,4-Dioxane	< 1.57	ug/m3	1.57	5	10	TO-15		1/16/2024	CJR	1
EDB (1,2-Dibromoethane)	< 3.42	ug/m3	3.42	10.9	10	TO-15		1/16/2024	CJR	1
Ethanol	< 150	ug/m3	1.52	4.82	10	TO-15		1/16/2024	CJR	1
Ethyl Acetate	< 1.76	ug/m3	1.76	5.59	10	TO-15		1/16/2024	CJR	1
Ethylbenzene	< 2.03	ug/m3	2.03	6.45	10	TO-15		1/16/2024	CJR	1
4-Ethyltoluene	< 2.14	ug/m3	2.14	6.81	10	TO-15		1/16/2024	CJR	1
Heptane	< 2.65	ug/m3	2.65	8.45	10	TO-15		1/16/2024	CJR	1
Hexachlorobutadiene	< 4.89	ug/m3	4.89	15.6	10	TO-15		1/16/2024	CJR	1
Hexane	< 150	ug/m3	2.35	7.48	10	TO-15		1/16/2024	CJR	1
2-Hexanone	< 2.22	ug/m3	2.22	7.07	10	TO-15		1/16/2024	CJR	1
Isopropyl Alcohol	12.5	ug/m3	1.09	3.47	10	TO-15		1/16/2024	CJR	1
Methyl ethyl ketone (MEK)	< 1.78	ug/m3	1.78	5.67	10	TO-15		1/16/2024	CJR	1
Methyl isobutyl ketone (MIBK)	< 1.68	ug/m3	1.68	5.36	10	TO-15		1/16/2024	CJR	1
Methyl Methacrylate	< 2.17	ug/m3	2.17	6.9	10	TO-15		1/16/2024	CJR	1
Methylene chloride	300	ug/m3	1.59	5.06	10	TO-15		1/16/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.6	ug/m3	1.6	5.09	10	TO-15		1/16/2024	CJR	1
Naphthalene	< 6.75	ug/m3	6.75	21.5	10	TO-15		1/16/2024	CJR	1
Propene	< 0.79	ug/m3	0.79	2.51	10	TO-15		1/16/2024	CJR	1
Styrene	< 1.81	ug/m3	1.81	5.77	10	TO-15		1/16/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 3.25	ug/m3	3.25	10.3	10	TO-15		1/16/2024	CJR	1
Tetrachloroethene	162	ug/m3	2.78	8.84	10	TO-15		1/16/2024	CJR	1
Tetrahydrofuran	< 1.31	ug/m3	1.31	4.17	10	TO-15		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43442

Lab Code 5043442D
Sample ID 6348-107-SSV-1
Sample Matrix Air
Sample Date 1/8/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Toluene	7.2	ug/m3	1.84	5.85	10	TO-15		1/16/2024	CJR	1
1,2,4-Trichlorobenzene	< 6.57	ug/m3	6.57	20.9	10	TO-15		1/16/2024	CJR	1
1,1,1-Trichloroethane	< 2.49	ug/m3	2.49	7.93	10	TO-15		1/16/2024	CJR	1
1,1,2-Trichloroethane	< 2.58	ug/m3	2.58	8.22	10	TO-15		1/16/2024	CJR	1
Trichloroethene (TCE)	< 2.37	ug/m3	2.37	7.54	10	TO-15		1/16/2024	CJR	1
Trichlorofluoromethane	< 3.37	ug/m3	3.37	10.7	10	TO-15		1/16/2024	CJR	1
Trichlorotrifluoroethane	< 4.02	ug/m3	4.02	12.8	10	TO-15		1/16/2024	CJR	1
1,2,4-Trimethylbenzene	< 2.83	ug/m3	2.83	8.99	10	TO-15		1/16/2024	CJR	1
1,3,5-Trimethylbenzene	< 2.32	ug/m3	2.32	7.39	10	TO-15		1/16/2024	CJR	1
Vinyl acetate	< 2.03	ug/m3	2.03	6.45	10	TO-15		1/16/2024	CJR	1
Vinyl Chloride	< 1.48	ug/m3	1.48	4.72	10	TO-15		1/16/2024	CJR	1
m&p-Xylene	< 3.77	ug/m3	3.77	12	10	TO-15		1/16/2024	CJR	1
o-Xylene	< 2.18	ug/m3	2.18	6.95	10	TO-15		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
 Project # 6348

Invoice # E43442

Lab Code 5043442E
 Sample ID 6348-105-SS-1
 Sample Matrix Air
 Sample Date 1/8/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	< 150	ug/m3	2.99	9.5	10	TO-15		1/16/2024	CJR	1
Benzene	< 1.36	ug/m3	1.36	4.33	10	TO-15		1/16/2024	CJR	1
Benzyl Chloride	< 2.09	ug/m3	2.09	6.65	10	TO-15		1/16/2024	CJR	1
Bromodichloromethane	< 3.74	ug/m3	3.74	11.9	10	TO-15		1/16/2024	CJR	1
Bromoform	< 4.14	ug/m3	4.14	13.2	10	TO-15		1/16/2024	CJR	1
Bromomethane	< 2	ug/m3	2	6.37	10	TO-15		1/16/2024	CJR	1
1,3-Butadiene	< 1.43	ug/m3	1.43	4.54	10	TO-15		1/16/2024	CJR	1
Carbon Disulfide	< 1.38	ug/m3	1.38	4.4	10	TO-15		1/16/2024	CJR	5
Carbon Tetrachloride	< 3.07	ug/m3	3.07	9.78	10	TO-15		1/16/2024	CJR	1
Chlorobenzene	< 2.51	ug/m3	2.51	7.98	10	TO-15		1/16/2024	CJR	1
Chloroethane	< 1.59	ug/m3	1.59	5.07	10	TO-15		1/16/2024	CJR	1
Chloroform	< 3	ug/m3	3	9.53	10	TO-15		1/16/2024	CJR	1
Chloromethane	< 8.31	ug/m3	8.31	26.4	10	TO-15		1/16/2024	CJR	1
Cyclohexane	< 2.12	ug/m3	2.12	6.74	10	TO-15		1/16/2024	CJR	1
Dibromochloromethane	< 3.76	ug/m3	3.76	12	10	TO-15		1/16/2024	CJR	1
1,4-Dichlorobenzene	< 3.02	ug/m3	3.02	9.6	10	TO-15		1/16/2024	CJR	1
1,3-Dichlorobenzene	< 3.02	ug/m3	3.02	9.6	10	TO-15		1/16/2024	CJR	1
1,2-Dichlorobenzene	< 2.35	ug/m3	2.35	7.49	10	TO-15		1/16/2024	CJR	1
Dichlorodifluoromethane	131	ug/m3	2.63	8.36	10	TO-15		1/16/2024	CJR	1
1,2-Dichloroethane	< 2.4	ug/m3	2.4	7.63	10	TO-15		1/16/2024	CJR	1
1,1-Dichloroethane	< 1.87	ug/m3	1.87	5.96	10	TO-15		1/16/2024	CJR	1
1,1-Dichloroethene	< 2.1	ug/m3	2.1	6.68	10	TO-15		1/16/2024	CJR	1
cis-1,2-Dichloroethene	< 1.97	ug/m3	1.97	6.26	10	TO-15		1/16/2024	CJR	1
trans-1,2-Dichloroethene	< 2.31	ug/m3	2.31	7.34	10	TO-15		1/16/2024	CJR	1
1,2-Dichloropropane	< 2.8	ug/m3	2.8	8.9	10	TO-15		1/16/2024	CJR	1
trans-1,3-Dichloropropene	< 1.98	ug/m3	1.98	6.3	10	TO-15		1/16/2024	CJR	1
cis-1,3-Dichloropropene	< 2.34	ug/m3	2.34	7.45	10	TO-15		1/16/2024	CJR	1
1,2-Dichlorotetrafluoroethane	< 4.46	ug/m3	4.46	14.2	10	TO-15		1/16/2024	CJR	1
1,4-Dioxane	< 1.57	ug/m3	1.57	5	10	TO-15		1/16/2024	CJR	1
EDB (1,2-Dibromoethane)	< 3.42	ug/m3	3.42	10.9	10	TO-15		1/16/2024	CJR	1
Ethanol	< 150	ug/m3	1.52	4.82	10	TO-15		1/16/2024	CJR	1
Ethyl Acetate	< 1.76	ug/m3	1.76	5.59	10	TO-15		1/16/2024	CJR	1
Ethylbenzene	< 2.03	ug/m3	2.03	6.45	10	TO-15		1/16/2024	CJR	1
4-Ethyltoluene	< 2.14	ug/m3	2.14	6.81	10	TO-15		1/16/2024	CJR	1
Heptane	< 2.65	ug/m3	2.65	8.45	10	TO-15		1/16/2024	CJR	1
Hexachlorobutadiene	< 4.89	ug/m3	4.89	15.6	10	TO-15		1/16/2024	CJR	1
Hexane	< 150	ug/m3	2.35	7.48	10	TO-15		1/16/2024	CJR	1
2-Hexanone	< 2.22	ug/m3	2.22	7.07	10	TO-15		1/16/2024	CJR	1
Isopropyl Alcohol	9.3	ug/m3	1.09	3.47	10	TO-15		1/16/2024	CJR	1
Methyl ethyl ketone (MEK)	< 1.78	ug/m3	1.78	5.67	10	TO-15		1/16/2024	CJR	1
Methyl isobutyl ketone (MIBK)	< 1.68	ug/m3	1.68	5.36	10	TO-15		1/16/2024	CJR	1
Methyl Methacrylate	< 2.17	ug/m3	2.17	6.9	10	TO-15		1/16/2024	CJR	1
Methylene chloride	< 150	ug/m3	1.59	5.06	10	TO-15		1/16/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.6	ug/m3	1.6	5.09	10	TO-15		1/16/2024	CJR	1
Naphthalene	< 6.75	ug/m3	6.75	21.5	10	TO-15		1/16/2024	CJR	1
Propene	< 0.79	ug/m3	0.79	2.51	10	TO-15		1/16/2024	CJR	1
Styrene	< 1.81	ug/m3	1.81	5.77	10	TO-15		1/16/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 3.25	ug/m3	3.25	10.3	10	TO-15		1/16/2024	CJR	1
Tetrachloroethene	1960	ug/m3	2.78	8.84	10	TO-15		1/16/2024	CJR	1
Tetrahydrofuran	< 1.31	ug/m3	1.31	4.17	10	TO-15		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43442

Lab Code 5043442E
Sample ID 6348-105-SS-1
Sample Matrix Air
Sample Date 1/8/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Toluene	4.5 "J"	ug/m3	1.84	5.85	10	TO-15		1/16/2024	CJR	1
1,2,4-Trichlorobenzene	< 6.57	ug/m3	6.57	20.9	10	TO-15		1/16/2024	CJR	1
1,1,1-Trichloroethane	< 2.49	ug/m3	2.49	7.93	10	TO-15		1/16/2024	CJR	1
1,1,2-Trichloroethane	< 2.58	ug/m3	2.58	8.22	10	TO-15		1/16/2024	CJR	1
Trichloroethene (TCE)	8.6	ug/m3	2.37	7.54	10	TO-15		1/16/2024	CJR	1
Trichlorofluoromethane	< 3.37	ug/m3	3.37	10.7	10	TO-15		1/16/2024	CJR	1
Trichlorotrifluoroethane	< 4.02	ug/m3	4.02	12.8	10	TO-15		1/16/2024	CJR	1
1,2,4-Trimethylbenzene	< 2.83	ug/m3	2.83	8.99	10	TO-15		1/16/2024	CJR	1
1,3,5-Trimethylbenzene	< 2.32	ug/m3	2.32	7.39	10	TO-15		1/16/2024	CJR	1
Vinyl acetate	< 2.03	ug/m3	2.03	6.45	10	TO-15		1/16/2024	CJR	1
Vinyl Chloride	< 1.48	ug/m3	1.48	4.72	10	TO-15		1/16/2024	CJR	1
m&p-Xylene	< 3.77	ug/m3	3.77	12	10	TO-15		1/16/2024	CJR	1
o-Xylene	< 2.18	ug/m3	2.18	6.95	10	TO-15		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
 Project # 6348

Invoice # E43442

Lab Code 5043442F
 Sample ID 6348-105-SS-2
 Sample Matrix Air
 Sample Date 1/8/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	< 150	ug/m3	2.99	9.5	10	TO-15		1/16/2024	CJR	1
Benzene	< 1.36	ug/m3	1.36	4.33	10	TO-15		1/16/2024	CJR	1
Benzyl Chloride	< 2.09	ug/m3	2.09	6.65	10	TO-15		1/16/2024	CJR	1
Bromodichloromethane	< 3.74	ug/m3	3.74	11.9	10	TO-15		1/16/2024	CJR	1
Bromoform	< 4.14	ug/m3	4.14	13.2	10	TO-15		1/16/2024	CJR	1
Bromomethane	< 2	ug/m3	2	6.37	10	TO-15		1/16/2024	CJR	1
1,3-Butadiene	< 1.43	ug/m3	1.43	4.54	10	TO-15		1/16/2024	CJR	1
Carbon Disulfide	< 1.38	ug/m3	1.38	4.4	10	TO-15		1/16/2024	CJR	5
Carbon Tetrachloride	< 3.07	ug/m3	3.07	9.78	10	TO-15		1/16/2024	CJR	1
Chlorobenzene	< 2.51	ug/m3	2.51	7.98	10	TO-15		1/16/2024	CJR	1
Chloroethane	< 1.59	ug/m3	1.59	5.07	10	TO-15		1/16/2024	CJR	1
Chloroform	< 3	ug/m3	3	9.53	10	TO-15		1/16/2024	CJR	1
Chloromethane	< 8.31	ug/m3	8.31	26.4	10	TO-15		1/16/2024	CJR	1
Cyclohexane	< 2.12	ug/m3	2.12	6.74	10	TO-15		1/16/2024	CJR	1
Dibromochloromethane	< 3.76	ug/m3	3.76	12	10	TO-15		1/16/2024	CJR	1
1,4-Dichlorobenzene	< 3.02	ug/m3	3.02	9.6	10	TO-15		1/16/2024	CJR	1
1,3-Dichlorobenzene	< 3.02	ug/m3	3.02	9.6	10	TO-15		1/16/2024	CJR	1
1,2-Dichlorobenzene	< 2.35	ug/m3	2.35	7.49	10	TO-15		1/16/2024	CJR	1
Dichlorodifluoromethane	4 "J"	ug/m3	2.63	8.36	10	TO-15		1/16/2024	CJR	1
1,2-Dichloroethane	< 2.4	ug/m3	2.4	7.63	10	TO-15		1/16/2024	CJR	1
1,1-Dichloroethane	< 1.87	ug/m3	1.87	5.96	10	TO-15		1/16/2024	CJR	1
1,1-Dichloroethene	< 2.1	ug/m3	2.1	6.68	10	TO-15		1/16/2024	CJR	1
cis-1,2-Dichloroethene	< 1.97	ug/m3	1.97	6.26	10	TO-15		1/16/2024	CJR	1
trans-1,2-Dichloroethene	< 2.31	ug/m3	2.31	7.34	10	TO-15		1/16/2024	CJR	1
1,2-Dichloropropane	< 2.8	ug/m3	2.8	8.9	10	TO-15		1/16/2024	CJR	1
trans-1,3-Dichloropropene	< 1.98	ug/m3	1.98	6.3	10	TO-15		1/16/2024	CJR	1
cis-1,3-Dichloropropene	< 2.34	ug/m3	2.34	7.45	10	TO-15		1/16/2024	CJR	1
1,2-Dichlorotetrafluoroethane	< 4.46	ug/m3	4.46	14.2	10	TO-15		1/16/2024	CJR	1
1,4-Dioxane	< 1.57	ug/m3	1.57	5	10	TO-15		1/16/2024	CJR	1
EDB (1,2-Dibromoethane)	< 3.42	ug/m3	3.42	10.9	10	TO-15		1/16/2024	CJR	1
Ethanol	< 150	ug/m3	1.52	4.82	10	TO-15		1/16/2024	CJR	1
Ethyl Acetate	< 1.76	ug/m3	1.76	5.59	10	TO-15		1/16/2024	CJR	1
Ethylbenzene	< 2.03	ug/m3	2.03	6.45	10	TO-15		1/16/2024	CJR	1
4-Ethyltoluene	< 2.14	ug/m3	2.14	6.81	10	TO-15		1/16/2024	CJR	1
Heptane	< 2.65	ug/m3	2.65	8.45	10	TO-15		1/16/2024	CJR	1
Hexachlorobutadiene	< 4.89	ug/m3	4.89	15.6	10	TO-15		1/16/2024	CJR	1
Hexane	< 150	ug/m3	2.35	7.48	10	TO-15		1/16/2024	CJR	1
2-Hexanone	< 2.22	ug/m3	2.22	7.07	10	TO-15		1/16/2024	CJR	1
Isopropyl Alcohol	4.2	ug/m3	1.09	3.47	10	TO-15		1/16/2024	CJR	1
Methyl ethyl ketone (MEK)	< 1.78	ug/m3	1.78	5.67	10	TO-15		1/16/2024	CJR	1
Methyl isobutyl ketone (MIBK)	< 1.68	ug/m3	1.68	5.36	10	TO-15		1/16/2024	CJR	1
Methyl Methacrylate	< 2.17	ug/m3	2.17	6.9	10	TO-15		1/16/2024	CJR	1
Methylene chloride	< 150	ug/m3	1.59	5.06	10	TO-15		1/16/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.6	ug/m3	1.6	5.09	10	TO-15		1/16/2024	CJR	1
Naphthalene	< 6.75	ug/m3	6.75	21.5	10	TO-15		1/16/2024	CJR	1
Propene	< 0.79	ug/m3	0.79	2.51	10	TO-15		1/16/2024	CJR	1
Styrene	< 1.81	ug/m3	1.81	5.77	10	TO-15		1/16/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 3.25	ug/m3	3.25	10.3	10	TO-15		1/16/2024	CJR	1
Tetrachloroethene	350	ug/m3	2.78	8.84	10	TO-15		1/16/2024	CJR	1
Tetrahydrofuran	< 1.31	ug/m3	1.31	4.17	10	TO-15		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43442

Lab Code 5043442F
Sample ID 6348-105-SS-2
Sample Matrix Air
Sample Date 1/8/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Toluene	2.64 "J"	ug/m3	1.84	5.85	10	TO-15		1/16/2024	CJR	1
1,2,4-Trichlorobenzene	< 6.57	ug/m3	6.57	20.9	10	TO-15		1/16/2024	CJR	1
1,1,1-Trichloroethane	< 2.49	ug/m3	2.49	7.93	10	TO-15		1/16/2024	CJR	1
1,1,2-Trichloroethane	< 2.58	ug/m3	2.58	8.22	10	TO-15		1/16/2024	CJR	1
Trichloroethene (TCE)	< 2.37	ug/m3	2.37	7.54	10	TO-15		1/16/2024	CJR	1
Trichlorofluoromethane	< 3.37	ug/m3	3.37	10.7	10	TO-15		1/16/2024	CJR	1
Trichlorotrifluoroethane	< 4.02	ug/m3	4.02	12.8	10	TO-15		1/16/2024	CJR	1
1,2,4-Trimethylbenzene	< 2.83	ug/m3	2.83	8.99	10	TO-15		1/16/2024	CJR	1
1,3,5-Trimethylbenzene	< 2.32	ug/m3	2.32	7.39	10	TO-15		1/16/2024	CJR	1
Vinyl acetate	< 2.03	ug/m3	2.03	6.45	10	TO-15		1/16/2024	CJR	1
Vinyl Chloride	< 1.48	ug/m3	1.48	4.72	10	TO-15		1/16/2024	CJR	1
m&p-Xylene	< 3.77	ug/m3	3.77	12	10	TO-15		1/16/2024	CJR	1
o-Xylene	< 2.18	ug/m3	2.18	6.95	10	TO-15		1/16/2024	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

- 1 Laboratory QC within limits.
- 5 The QC blank not within established limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



CHAIN OF STUDY RECORD



Chain # 52677

Page 1 of 1

Lab I.D. # _____

QUOTE # : _____

Project #: 6348

Sampler: (signature) *M. Luoma*

www.synergy-lab.net
 1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • mrsynergy@wi.twcbc.com

Environmental Lab, LLC

Sample Handling Request

Rush Analysis Date Required: _____
 (Flushes accepted only with prior authorization)
 Normal Turn Around

Project (Name / Location): Harborview Cleaners/Port Washington, WI

Analysis Requested

Other Analysis

Reports To: W. Fassbender/N. Morris

Invoice To: Accounts payable@enviroforensics.com

Company: EnviroForensics

Company

Address: 825 N Capital Ave

Address

City State Zip: Indianapolis, IN 46204

City State Zip

Phone

Phone

Email

Email

Same

Lab I.D.	Sample I.D.	Collection Date	Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	
S04347A	6348-134-55-1	1/8/24	15:49	N	1	Air	NA														X		
B	6348-134-55-2	1/8/24	15:10		1																	X	
C	6348-126-55-1	1/8/24	13:53		1																	X	
D	6348-107-55-1	1/8/24	13:27		1																	X	
E	6348-105-55-1	1/8/24	12:52		1																	X	
F	6348-105-55-2	1/8/24	12:27		1																	X	

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

PO# 2023-0411

Sample Integrity - To be completed by receiving lab.

Method of Shipment: CS

Temp. of Temp. Blank: _____ °C On Ice: _____

Cooler seal intact upon receipt: Yes ___ No

Relinquished By: (sign) _____ Time _____ Date _____

Received By: (sign) *[Signature]* Time: *0815* Date: *01/11/24*

EnviroForensics
 N16W23390 Stone Ridge Dr, Suite G
 Waukesha, WI 53188

Site Name: Harborview Cleaners
Site Location: Port Washington, WI
Project Manager: Wayne Fassbender

Beacon Proposal: 240102R01
Lab Work Order: 0007479
Reported: 03/01/2024

Lab Sample ID: 0007479-03

105-IA-1F

Method: TO-17 (Passive)

Indoor Air

Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.0443	U	0.0443	0.0886	01/30/2024 13:09	Aa24013007.D
trans-1,2-Dichloroethene	156-60-5	<0.0354	U	0.0354	0.0708	01/30/2024 13:09	Aa24013007.D
cis-1,2-Dichloroethene	156-59-2	<0.0354	U	0.0354	0.0708	01/30/2024 13:09	Aa24013007.D
Trichloroethene	79-01-6	0.127		0.0381	0.0763	01/30/2024 13:09	Aa24013007.D
Tetrachloroethene	127-18-4	71.1	D	0.227	0.454	01/31/2024 14:17	Aa24013112.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	105%	70-130			01/31/2024 14:17	Aa24013112.D
Surrogate: 1,2-DCA-d4	17060-07-0	107%	70-130			01/30/2024 13:09	Aa24013007.D
Surrogate: Toluene-d8	2037-26-5	97.4%	70-130			01/31/2024 14:17	Aa24013112.D
Surrogate: Toluene-d8	2037-26-5	90.2%	70-130			01/30/2024 13:09	Aa24013007.D

EnviroForensics N16W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	Site Name: Harborview Cleaners Site Location: Port Washington, WI Project Manager: Wayne Fassbender	Beacon Proposal: 240102R01 Lab Work Order: 0007479 Reported: 03/01/2024
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Lab Sample ID: 0007479-04	107-IA-1F	Method: TO-17 (Passive)
Indoor Air		

Analyte	CAS#	Result (µg/m³)	Q	LOD (µg/m³)	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.0443	U	0.0443	0.0886	01/30/2024 13:52	Aa24013008.D
trans-1,2-Dichloroethene	156-60-5	<0.0354	U	0.0354	0.0709	01/30/2024 13:52	Aa24013008.D
cis-1,2-Dichloroethene	156-59-2	<0.0354	U	0.0354	0.0709	01/30/2024 13:52	Aa24013008.D
Trichloroethene	79-01-6	0.103		0.0382	0.0763	01/30/2024 13:52	Aa24013008.D
Tetrachloroethene	127-18-4	64.9	D	0.227	0.455	01/31/2024 14:47	Aa24013113.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	113%	70-130			01/30/2024 13:52	Aa24013008.D
Surrogate: 1,2-DCA-d4	17060-07-0	106%	70-130			01/31/2024 14:47	Aa24013113.D
Surrogate: Toluene-d8	2037-26-5	95.4%	70-130			01/31/2024 14:47	Aa24013113.D
Surrogate: Toluene-d8	2037-26-5	91.7%	70-130			01/30/2024 13:52	Aa24013008.D

EnviroForensics N16W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	Site Name: Harborview Cleaners Site Location: Port Washington, WI Project Manager: Wayne Fassbender	Beacon Proposal: 240102R01 Lab Work Order: 0007479 Reported: 03/01/2024
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Lab Sample ID: 0007479-05	105-IA-B Indoor Air	Method: TO-17 (Passive)
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Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.0443	U	0.0443	0.0886	01/30/2024 14:23	Aa24013009.D
trans-1,2-Dichloroethene	156-60-5	<0.0354	U	0.0354	0.0709	01/30/2024 14:23	Aa24013009.D
cis-1,2-Dichloroethene	156-59-2	<0.0354	U	0.0354	0.0709	01/30/2024 14:23	Aa24013009.D
Trichloroethene	79-01-6	1.06		0.0382	0.0763	01/30/2024 14:23	Aa24013009.D
Tetrachloroethene	127-18-4	191	D	0.644	1.29	02/01/2024 07:46	Ab24013107.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	100%	70-130			01/30/2024 14:23	Aa24013009.D
Surrogate: 1,2-DCA-d4	17060-07-0	104%	70-130			02/01/2024 07:46	Ab24013107.D
Surrogate: Toluene-d8	2037-26-5	85.4%	70-130			01/30/2024 14:23	Aa24013009.D
Surrogate: Toluene-d8	2037-26-5	91.6%	70-130			02/01/2024 07:46	Ab24013107.D

EnviroForensics N16W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	Site Name: Harborview Cleaners Site Location: Port Washington, WI Project Manager: Wayne Fassbender	Beacon Proposal: 240102R01 Lab Work Order: 0007479 Reported: 03/01/2024
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Lab Sample ID: 0007479-06	107-IA-B Indoor Air	Method: TO-17 (Passive)
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Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.0443	U	0.0443	0.0886	01/30/2024 14:53	Aa24013010.D
trans-1,2-Dichloroethene	156-60-5	<0.0355	U	0.0355	0.0709	01/30/2024 14:53	Aa24013010.D
cis-1,2-Dichloroethene	156-59-2	<0.0355	U	0.0355	0.0709	01/30/2024 14:53	Aa24013010.D
Trichloroethene	79-01-6	0.473		0.0382	0.0764	01/30/2024 14:53	Aa24013010.D
Tetrachloroethene	127-18-4	52.6	D	0.227	0.455	01/31/2024 15:47	Aa24013115.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	81.4%	70-130			01/30/2024 14:53	Aa24013010.D
Surrogate: 1,2-DCA-d4	17060-07-0	90.0%	70-130			01/31/2024 15:47	Aa24013115.D
Surrogate: Toluene-d8	2037-26-5	84.7%	70-130			01/30/2024 14:53	Aa24013010.D
Surrogate: Toluene-d8	2037-26-5	93.8%	70-130			01/31/2024 15:47	Aa24013115.D

EnviroForensics
 N16W23390 Stone Ridge Dr, Suite G
 Waukesha, WI 53188

Site Name: Harborview Cleaners
Site Location: Port Washington, WI
Project Manager: Wayne Fassbender

Beacon Proposal: 240102R01
Lab Work Order: 0007479
Reported: 03/01/2024

Lab Sample ID: 0007479-07

103-IA-2F

Method: TO-17 (Passive)

Indoor Air

Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.0445	U	0.0445	0.0891	01/30/2024 15:24	Aa24013011.D
trans-1,2-Dichloroethene	156-60-5	<0.0356	U	0.0356	0.0713	01/30/2024 15:24	Aa24013011.D
cis-1,2-Dichloroethene	156-59-2	<0.0356	U	0.0356	0.0713	01/30/2024 15:24	Aa24013011.D
Trichloroethene	79-01-6	0.317		0.0384	0.0767	01/30/2024 15:24	Aa24013011.D
Tetrachloroethene	127-18-4	81.6	D	0.229	0.457	01/31/2024 16:17	Aa24013116.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	107%	70-130			01/31/2024 16:17	Aa24013116.D
Surrogate: 1,2-DCA-d4	17060-07-0	115%	70-130			01/30/2024 15:24	Aa24013011.D
Surrogate: Toluene-d8	2037-26-5	94.4%	70-130			01/31/2024 16:17	Aa24013116.D
Surrogate: Toluene-d8	2037-26-5	90.5%	70-130			01/30/2024 15:24	Aa24013011.D

EnviroForensics N16W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	Site Name: Harborview Cleaners Site Location: Port Washington, WI Project Manager: Wayne Fassbender	Beacon Proposal: 240102R01 Lab Work Order: 0007479 Reported: 03/01/2024
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Lab Sample ID: 0007479-08	109-IA-2F	Method: TO-17 (Passive)
Indoor Air		

Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.0444	U	0.0444	0.0887	01/30/2024 15:54	Aa24013012.D
trans-1,2-Dichloroethene	156-60-5	<0.0355	U	0.0355	0.0710	01/30/2024 15:54	Aa24013012.D
cis-1,2-Dichloroethene	156-59-2	<0.0355	U	0.0355	0.0710	01/30/2024 15:54	Aa24013012.D
Trichloroethene	79-01-6	0.0550	J	0.0382	0.0764	01/30/2024 15:54	Aa24013012.D
Tetrachloroethene	127-18-4	38.0	D	0.134	0.268	01/31/2024 13:05	Aa24013111.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	110%	70-130			01/30/2024 15:54	Aa24013012.D
Surrogate: Toluene-d8	2037-26-5	92.5%	70-130			01/30/2024 15:54	Aa24013012.D

EnviroForensics N16W23390 Stone Ridge Dr, Suite G Waukesha, WI 53188	Site Name: Harborview Cleaners Site Location: Port Washington, WI Project Manager: Wayne Fassbender	Beacon Proposal: 240102R01 Lab Work Order: 0007479 Reported: 03/01/2024
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Lab Sample ID: 0007479-09	2348-OA Ambient Air	Method: TO-17 (Passive)
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Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.0446	U	0.0446	0.0891	01/30/2024 16:45	Aa24013013.D
trans-1,2-Dichloroethene	156-60-5	<0.0356	U	0.0356	0.0713	01/30/2024 16:45	Aa24013013.D
cis-1,2-Dichloroethene	156-59-2	<0.0356	U	0.0356	0.0713	01/30/2024 16:45	Aa24013013.D
Trichloroethene	79-01-6	0.0676	J	0.0384	0.0768	01/30/2024 16:45	Aa24013013.D
Tetrachloroethene	127-18-4	5.46		0.0454	0.0907	01/30/2024 16:45	Aa24013013.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	72.3%	70-130			01/30/2024 16:45	Aa24013013.D
Surrogate: Toluene-d8	2037-26-5	66.8%	70-130	S5		01/30/2024 16:45	Aa24013013.D

Client Information		Project Manager: <i>Wayne Fassbender</i>		Client PO:		INDOOR AIR	AMBIENT AIR	CRAWL SPACE	SEWER GAS	
Company: <i>Enviro Forensics</i>		Project Name: <i>2348-Harborview</i>		Turn around time (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush (specify) _____ days						
Address: <i>P.O. Box 128</i>		Location: <i>Port Washington, WI</i>		Analysis: <input checked="" type="checkbox"/> Method TO-17 <input type="checkbox"/> Method 325						
City / State / Zip: <i>Deerfield, WI 53066</i>		Submitted by: <i>Wayne Fassbender</i>		Email: <i>wf@enviroforensics.com</i>						
Phone: <i>262-490-6472</i>		Email: <i>wf@enviroforensics.com</i>								
Location ID	Tube ID	Start Date	Start Time	Stop Date	Stop Time	Aver Temp (C)	Target Compounds			
<i>124-IA-B</i>	<i>CS0607</i>	<i>1/10/24</i>	<i>11:56</i>	<i>1/24/24</i>	<i>12:02</i>		<i>CVOCs</i>	<input checked="" type="checkbox"/>		
<i>136-IA-1F</i>	<i>CS 0526</i>	<i>1/10/24</i>	<i>11:30</i>	<i>1/24/24</i>	<i>11:56</i>		<i>11</i>	<input checked="" type="checkbox"/>		
<i>105-IA-1F</i>	<i>CS 1028</i>	<i>1/10/24</i>	<i>12:10</i>	<i>1/24/24</i>	<i>12:14</i>		<i>11</i>	<input checked="" type="checkbox"/>		
<i>107-IA-1F</i>	<i>CS 0776</i>	<i>1/10/24</i>	<i>12:12</i>	<i>1/24/24</i>	<i>12:10</i>		<i>11</i>	<input checked="" type="checkbox"/>		
<i>105-IA-B</i>	<i>CS 0675</i>	<i>1/10/24</i>	<i>12:18</i>	<i>1/24/24</i>	<i>12:17</i>		<i>11</i>	<input checked="" type="checkbox"/>		
<i>107-IA-B</i>	<i>CS 0284</i>	<i>1/10/24</i>	<i>12:35</i>	<i>1/24/24</i>	<i>12:21</i>		<i>11</i>	<input checked="" type="checkbox"/>		
<i>103-IA-2F</i>	<i>CS 0910</i>	<i>1/10/24</i>	<i>12:45</i>	<i>1/24/24</i>	<i>10:55</i>		<i>11</i>	<input checked="" type="checkbox"/>		
<i>107-IA-2F</i>	<i>CS 1002</i>	<i>1/10/24</i>	<i>12:55</i>	<i>1/24/24</i>	<i>12:27</i>		<i>11</i>	<input checked="" type="checkbox"/>		
<i>2348-OA</i>	<i>CS 0998</i>	<i>1/10/24</i>	<i>13:05</i>	<i>1/24/24</i>	<i>11:05</i>		<i>11</i>		<input checked="" type="checkbox"/>	
Special Notes / Instructions: <i>Reporting limits below 2 ug/m³</i>										
Relinquished by (signature): <i>Wayne Fassbender</i>		Date / Time: <i>1/24/24 15:45</i>		Received by (signature): <i>Michelle Bell</i>		Date / Time: <i>1/25/24 10:17</i>				
Relinquished by (signature):		Date / Time:		Received by (signature):		Date / Time:				
For Lab Use Only:		Beacon Job No: <i>7479</i>		Beacon Proposal: <i>240102R01</i>						
Courier Name: <i>FedEx</i>		Shipment Condition: <i>Good</i>		Custody Seal Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> n/a		Custody Seal No: <i>n/a</i>				



March 8, 2024

Harborview Dry Cleaners
Barbara Bahr, Owner
134 E. Grand Avenue
Port Washington, WI 53074

Subject: Environmental Investigation Sampling Results
BRRTS#: 02-46-548092

Dear Ms. Bahr:

EnviroForensics, LLC (EnviroForensics) is providing the results of environmental groundwater samples and sub-slab vapor samples collected from your property located at 134 East Grand Avenue, Port Washington, Wisconsin. The samples were collected between the dates of January 8-10, 2024. The chemicals of concern for the investigation are the dry cleaning solvent tetrachloroethene (PCE) and its associated breakdown products. In addition, groundwater samples were collected from one (1) monitoring well to test for the presence of per-poly fluorinated alkyl substances (PFAS).

Sampling Results

Groundwater samples were collected from wells MW-1, MW-2, and MW-3 at the locations shown on attached **Figure 1**. The samples were sent to a Wisconsin Certified Analytical Laboratory and analyzed for total volatile organic compounds (VOCs). The groundwater analytical results are summarized in **Table 1**, and an excerpt of the Synergy Laboratory report that relates to the groundwater samples is also attached.

The sample from well MW-1 did not contain any chlorinated compounds of concern in concentrations above the laboratory detection limits. PCE was detected in the groundwater sample collected from MW-3 at a concentration of 6.9 micrograms per liter ($\mu\text{g/L}$) which is just above the groundwater enforcement standard (ES) of 5 $\mu\text{g/L}$. PCE was also detected in the sample from MW-2 at a concentration of 2.69 $\mu\text{g/L}$ which is just above the preventative action limit (PAL) of 0.5 $\mu\text{g/L}$. No other chlorinated compounds of concern were detected in any of the groundwater samples collected.

A sample of groundwater was collected from MW-3 and analyzed for PFAS compounds. As can be seen in **Table 2** and the attached Pace laboratory analytical report, several PFAS compounds were detected in this sample and a duplicate sample that was collected. Currently, there are no standards promulgated for PFAS compounds in groundwater. However, the Wisconsin Department of Health has recommended enforcement standards for six (6) PFAS compounds of 20 parts per trillion (ppt) and PAL of 2 ppt. These proposed standards are either for the individual compound or any combination of the six compounds. The sample from MW-3 contained two of the six proposed regulated compounds at concentrations exceeding the proposed ES. PFOA was detected at a maximum concentration of 48.9 ppt and PFOS at a maximum

concentration of 28.4 ppt. The concentrations of each of these compounds exceed the proposed ES of 20 ppt.

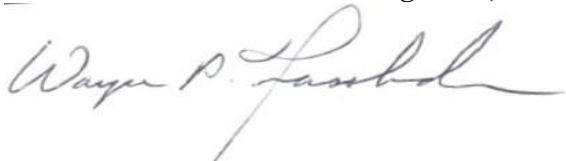
Two (2) sub-slab vapor samples labeled V-1R and V-2R, coinciding with V-1 and V-2 shown on attached **Figure 1**, were collected from below the building foundation slab.

As can be seen in attached **Table 3** and the attached Synergy Laboratory vapor analytical report, PCE and trichloroethene (TCE) were detected in both of the sub-slab samples. The concentration of PCE in sample V-2R of 14,900 $\mu\text{g}/\text{m}^3$ exceeds the vapor risk screening level (VRSL) for small commercial buildings of 5,800 $\mu\text{g}/\text{m}^3$. Although the PCE concentration in sample V-1R did not exceed the VRSL, both samples contained PCE at increased concentrations as compared to the last sampling event in December of 2022. The concentrations of TCE detected in both samples were well below either the small commercial or residential VRSL.

We are planning to sample the groundwater monitoring wells again in April or May of this year and the WDNR may require additional wells to be sampled for PFAS compounds. Because there has been rebound in the concentrations of PCE in sub-slab vapor, we recommend that the existing soil vapor extraction (SVE) system be operated intermittently for a period of time (likely 3 months on and 3 months off) to further remediate contaminated soil located beneath the building foundation.

If you have any questions or would like to discuss these results, please contact Scott Powell at 317-608-2706 or by email at rspowell@enviroforensics.com. The WDNR project manager, John Feeney, can be reached at 262-416-8643.

Sincerely,
Environmental Forensic Investigations, Inc.



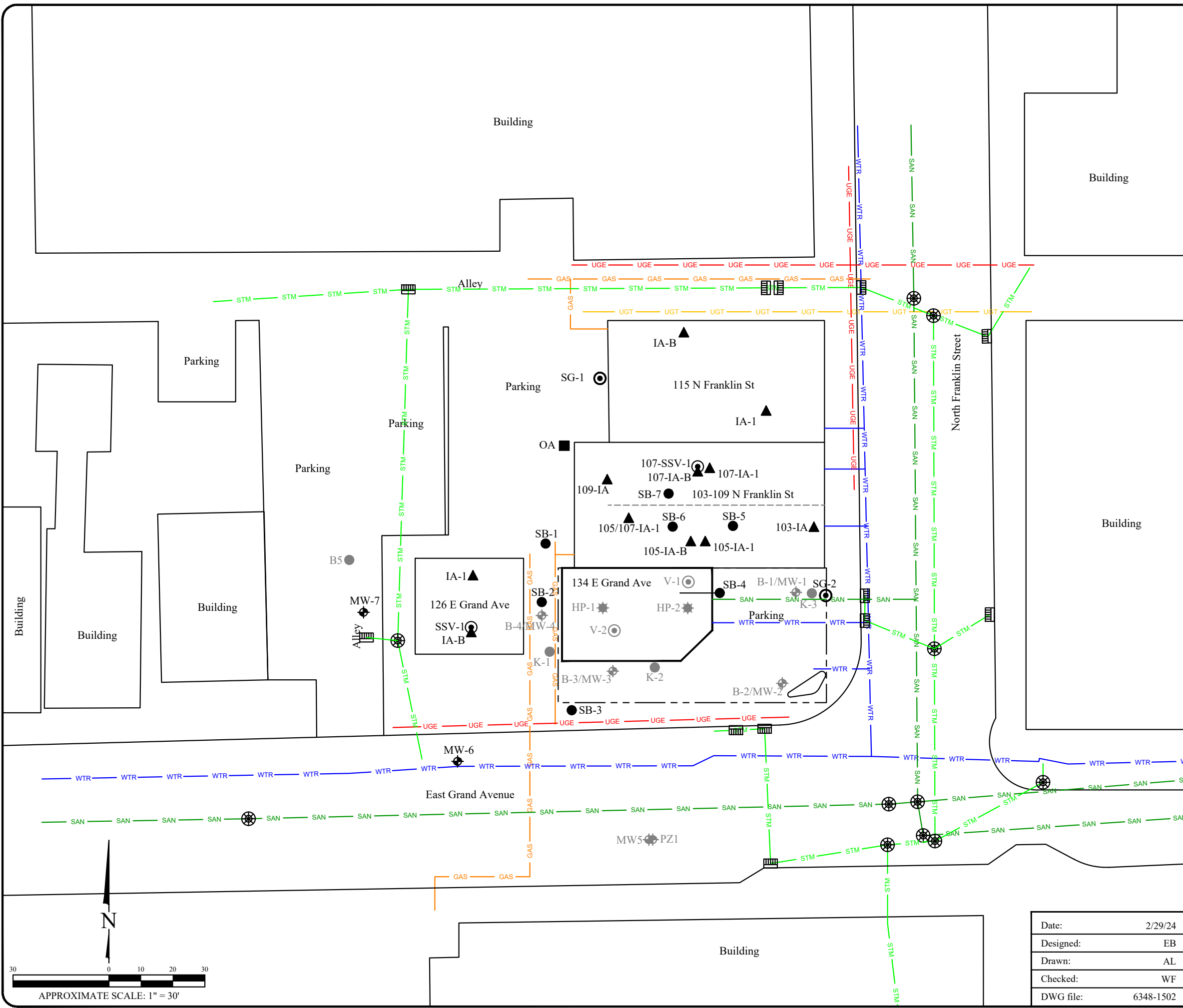
Wayne Fassbender, PG
Senior Project Manager

Attachments: Figure 1: Site Layout Map
Table 1: Summary of Groundwater Sample Analytical Results
Table 2: Summary of Groundwater PFAS Results
Table 3: Vapor Intrusion Assessment Results Summary
Synergy Laboratory Groundwater Analytical Report Excerpt
Pace Analytical Laboratory Report (PFAS)
Synergy Laboratory Vapor Analytical Report

Copy: John Feeney, Wisconsin Department of Natural Resources

Legend

- Site boundary
- Dividing wall
- GAS - Underground gas utility line
- WTR - Underground water utility line
- SAN - Underground sanitary utility line
- STM - Underground storm utility line
- UGT - Fiber optics line
- UGE - Underground electrical utility line
- Catch Basin
- Manhole
- MW1 - Monitoring well (By Others)
- MW1 - Monitoring well
- B5 - Boring (By Others)
- V-1 - Vapor sample (By Others)
- HP-1 - Hand probe (By Others)
- SB-1 - Direct push soil boring
- SB-4 - Directional soil boring
- SSV-1 - Sub-slab vapor sample
- IA-1 - Indoor air sample
- OA-1 - Outdoor air sample
- SG-1 - Soil gas sample



SITE LAYOUT MAP

Harborview Cleaners
 134 East Grand Avenue
 Port Washington, Wisconsin

Date:	2/29/24
Designed:	EB
Drawn:	AL
Checked:	WF
DWG file:	6348-1502



825 North Capitol Avenue • Indianapolis, IN 46204
 EnviroForensics.com

Figure	1
Project	6348

TABLE 1
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS

Harborview Cleaners
Port Washington, Wisconsin

Boring/ Monitoring well Identification	Sample Depth (feet)	Sample Date	Consultant	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Toluene	Benzene	n-Butylbenzene	Chloromethane	p-Isopropyltoluene	Naphthalene	Trimethylbenzenes (total)	Xylenes (total)
Enforcement Standard				5	5	70	100	0.2	1,000	5	NE	400	NE	100	480	10,000
Preventive Action Limit				0.5	0.5	7	20	0.02	200	1	NE	80	NE	10	96	1,000
MW-1	16-19	1/11/2008	Konicek	<0.45	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		4/9/2008	Konicek	<0.45	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		4/13/2008	Konicek	<0.45	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		8/14/2008	Konicek	<0.45	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.99	<0.83
		11/12/2008	Konicek	<0.45	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.89	<0.83	<0.83
		4/22/2016	EnviroForensics	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<0.44	<1	<1.9	<1.1	<1.6	<1.5	<0.09
		7/20/2016	EnviroForensics	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<0.44	<1	<1.9	<1.1	<1.6	<1.5	<0.09
		1/9/2024	EnviroForensics	<0.47	<0.38	<0.32	<0.5	<0.15	<0.33	<0.3	<0.71	<0.74	<0.47	<1.4	<1.4	<0.64
MW-2	9-12	1/24/2008	Konicek	1.4	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	0.84	<0.67	<0.74	<0.83	<0.83
		4/9/2008	Konicek	1	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		4/13/2008	Konicek	1.4	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		8/14/2008	Konicek	3.6	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.99	<0.83
		11/12/2008	Konicek	4.4	<0.48	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.89	<0.83	<0.83
		4/22/2016	EnviroForensics	1.01 J	<0.47	<0.45	<0.54	<0.17	<0.44	<0.44	<1	<1.9	<1.1	<1.6	<1.5	<0.09
		7/20/2016	EnviroForensics	0.49 J	<0.47	<0.45	<0.54	<0.17	<0.44	<0.44	<1	<1.9	<1.1	<1.6	<1.5	<0.09
		1/9/2024	EnviroForensics	2.69	<0.38	<0.32	<0.5	<0.15	<0.33	<0.3	<0.71	<0.74	<0.47	<1.4	<0.41	<0.64
MW-3	11-14	12/26/2007	Konicek	15	0.57 Q	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		4/9/2008	Konicek	62	1.8	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		4/13/2008	Konicek	75.5	1.9	1.1	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		8/14/2008	Konicek	35.1	1.5	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		8/14/08D	Konicek	34.3	1.1	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.74	<0.83	<0.83
		11/12/2008	Konicek	32.5	0.85 J	<0.83	<0.89	<0.18	<0.67	<0.41	<0.93	<0.24	<0.67	<0.89	<0.83	<0.83
		4/22/2016	EnviroForensics	8.6	0.97 J	5.1	<0.54	<0.17	<0.44	<0.44	<1	<1.9	<1.1	<1.6	<1.5	<0.09
		7/20/2016	EnviroForensics	4.4	1.15 J	5.3	<0.54	<0.17	<0.44	<0.44	<1	<1.9	<1.1	<1.6	<1.5	<0.09
		1/10/2024	EnviroForensics	7.3	<0.38	<0.32	<0.5	<0.15	<0.33	<0.3	<0.71	<0.74	<0.47	<1.4	<0.41	<0.64
		1/10 DUP	EnviroForensics	6.9	<0.38	<0.32	<0.5	<0.15	<0.33	<0.3	<0.71	<0.74	<0.47	<1.4	<0.41	<0.64

Notes:

All concentrations reported in micrograms per liter µg/l
 Samples analyzed using EPA SW-846 Method 8260
Bolded values are above detection limits
Bolded and Orange Shaded values indicates an exceedance of the Public Health Enforcement Standard
Bolded and Blue Shaded values indicates an exceedance the Public Health Preventive Action Limit
 bgs = below ground surface
 D = Duplicate sample
 J, Q = Estimated concentration between the Method Detection Limit and the Reporting Limit
 NA = Not Analyzed
 NE = Not Established

TABLE 2

SUMMARY OF GROUNDWATER PFAS RESULTS

Harborview Cleaners
Port Washington, Wisconsin

Monitoring Well	Sample Date	11CL-PF3OUds	4:2 FTS	6:2 FTS	8:2 FTS	9CL-PF3ONS	ADONA	HFPO-DA	N-EtFOSAA	N-EtFOSA	N-EtFOSE	N-MeFOSAA	N-MeFOSA	N-MeFOSE	PFBS - Perfluorobutanesulfonic acid	PFDA - Perfluorodecanoic acid	PFHxA - Perfluorohexanoic acid	PFBA	PFDS	PFDoS	PFHpS	PFNS	PFOSA	PFPeA	PFPeS	PFDoA - Perfluorodecanoic acid	PFHpA - Perfluoroheptanoic acid	PFHxS - Perfluorohexanesulfonic acid	PFNA - Perfluorononanoic acid	PFOS - Perfluorooctanesulfonic acid	PFOA - Perfluorooctanoic acid	PFTeDA - Perfluorotetradecanoic acid	PFTrDA - Perfluorotridecanoic acid	PFUnA - Perfluoroundecanoic acid
Proposed Groundwater Enforcement Standard		NE	NE	NE	NE	NE	3,000	300	20	20	20	NE	NE	NE	450,000	300	150,000	10,000	NE	NE	NE	NE	20	NE	NE	500	NE	40	30	20*	20*	10,000	NE	3,000
Proposed Groundwater Preventative Action Limit		NE	NE	NE	NE	NE	600	30	2	2	2	NE	NE	NE	90,000	60	30,000	2,000	NE	NE	NE	NE	2	NE	NE	100	NE	4	3	2*	2*	2,000	NE	600
MW-3	1/10/2024	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	10.9	4.5	23.8	15.5	<3.9	<3.9	<3.9	<3.9	<3.9	24.2	<3.9	<3.9	16.6	4.7	5.8	24.8	48.9	<3.9	<3.9	<3.9
DUP-1	1/10/2024	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	21.3	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	22.7	3.0	<20.0	<20.0	<20.0	<20.0	28.4	43.6	<20.0	<20.0	<20.0
Field Blank	1/10/2024	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9

Notes:

All concentrations reported in units of nanograms per liter (ng/L)

Bolded and blue shaded values are above proposed groundwater preventative action limits

Bolded and orange shaded values are above proposed groundwater enforcement standards

Bolded values are above detection limits

* Proposed groundwater standard applies to individual compound or combined PFOA and PFOS

J = Analyte concentration detected between the laboratory level of detection and the level of quantification

NA = Not Analyzed

NR = Not reported due to failure of laboratory QC

NE = Not Established

TABLE 3
VAPOR INTRUSION ASSESSMENT RESULTS SUMMARY
 Harborview Cleaners
 Port Washington, Wisconsin

Address	Sample Identification	Sample Location	Exposure Criteria	Sample Date	Mitigation	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
SUB-SLAB VAPOR										
Residential Vapor Risk Screening Level						1,400	70	NE	1,400	56
Small Commercial Vapor Risk Screening Level						5,800	290	NE	5,800	930
134 E. Grand Ave.	V-1	1st Floor	Small Commercial	1/21/2008	Pre	515,100	77.0	21.0	<4.8	<1.66
	V-1R			8/24/2020	Post **	19,800	44.1	<198	<396	<12.8
				12/2/2022	Post	678	<10.7	<198	<396	<12.8
				1/8/2024	Post	2,180	4.8 J	<1.97	<2.31	<1.48
	V-2	1st Floor	Small Commercial	1/21/2008	Pre	1,193,000,000	1,541	564	<54.0	<17.7
	V-2R			8/24/2020	Post **	32,100	708	<198	<396	<12.8
				12/2/2022	Post	2,880	<10.7	<198	<396	<12.8
				1/8/2024	Post	14,900	26.2	7.5	<2.31	<1.48

Notes:

- ** = Vapor mitigation system shut down three weeks prior to sample collection
- Vapor Action and Risk Screening Levels are calculated according to WDNR Publication RR-800 and subsequent vapor intrusion guidance documents
- Results reported in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)
- "J" flag indicates concentration above method detection limit but below reporting limit
- "D" flag indicates that a dilution was required to report within calibration limits
- "U" flag indicates analyte not detected. Limit of detection adjusted for either dilution or concentration of sample.
- NE = Screening/action level not established
- NR = Not Remediated
- NA = Not Analyzed
- Bolded** values are above detection limits
- Bolded and shaded** values exceed the applicable screening or action level

Synergy Environmental Lab, LLC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

WAYNE FASSBENDER
ENVIROFORENSICS
825 N. CAPITOL AVENUE
INDIANAPOLIS. IN 46204

Report Date 16-Jan-24

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43441

Lab Code 5043441A
Sample ID 6348-MW-1
Sample Matrix Water
Sample Date 1/9/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		1/11/2024	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		1/11/2024	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		1/11/2024	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		1/11/2024	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		1/11/2024	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		1/11/2024	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		1/11/2024	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		1/11/2024	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		1/11/2024	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		1/11/2024	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		1/11/2024	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		1/11/2024	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		1/11/2024	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		1/11/2024	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		1/11/2024	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		1/11/2024	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		1/11/2024	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/11/2024	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		1/11/2024	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		1/11/2024	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		1/11/2024	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		1/11/2024	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		1/11/2024	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		1/11/2024	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		1/11/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43441

Lab Code 5043441A
Sample ID 6348-MW-1
Sample Matrix Water
Sample Date 1/9/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		1/11/2024	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		1/11/2024	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/11/2024	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/11/2024	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		1/11/2024	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		1/11/2024	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		1/11/2024	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		1/11/2024	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		1/11/2024	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		1/11/2024	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		1/11/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		1/11/2024	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		1/11/2024	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		1/11/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		1/11/2024	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		1/11/2024	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		1/11/2024	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		1/11/2024	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		1/11/2024	CJR	1
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		1/11/2024	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		1/11/2024	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		1/11/2024	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		1/11/2024	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		1/11/2024	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/11/2024	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		1/11/2024	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		1/11/2024	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		1/11/2024	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		1/11/2024	CJR	1
SUR - Toluene-d8	104	REC %			1	8260B		1/11/2024	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		1/11/2024	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		1/11/2024	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		1/11/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43441

Lab Code 5043441B
Sample ID 6348-MW-2
Sample Matrix Water
Sample Date 1/9/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		1/11/2024	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		1/11/2024	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		1/11/2024	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		1/11/2024	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		1/11/2024	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		1/11/2024	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		1/11/2024	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		1/11/2024	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		1/11/2024	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		1/11/2024	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		1/11/2024	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		1/11/2024	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		1/11/2024	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		1/11/2024	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		1/11/2024	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		1/11/2024	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		1/11/2024	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/11/2024	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		1/11/2024	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		1/11/2024	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		1/11/2024	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		1/11/2024	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		1/11/2024	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		1/11/2024	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		1/11/2024	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		1/11/2024	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		1/11/2024	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/11/2024	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/11/2024	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		1/11/2024	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		1/11/2024	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		1/11/2024	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		1/11/2024	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		1/11/2024	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		1/11/2024	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		1/11/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		1/11/2024	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		1/11/2024	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		1/11/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		1/11/2024	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		1/11/2024	CJR	1
Tetrachloroethene	2.69	ug/l	0.47	1.91	1	8260B		1/11/2024	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		1/11/2024	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		1/11/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43441

Lab Code 5043441B
Sample ID 6348-MW-2
Sample Matrix Water
Sample Date 1/9/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		1/11/2024	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		1/11/2024	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		1/11/2024	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		1/11/2024	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		1/11/2024	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/11/2024	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		1/11/2024	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		1/11/2024	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		1/11/2024	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		1/11/2024	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %			1	8260B		1/11/2024	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		1/11/2024	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		1/11/2024	CJR	1
SUR - Toluene-d8	108	REC %			1	8260B		1/11/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43441

Lab Code 5043441C
Sample ID 6348-MW-3
Sample Matrix Water
Sample Date 1/10/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		1/11/2024	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		1/11/2024	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		1/11/2024	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		1/11/2024	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		1/11/2024	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		1/11/2024	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		1/11/2024	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		1/11/2024	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		1/11/2024	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		1/11/2024	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		1/11/2024	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		1/11/2024	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		1/11/2024	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		1/11/2024	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		1/11/2024	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		1/11/2024	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		1/11/2024	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/11/2024	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		1/11/2024	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		1/11/2024	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		1/11/2024	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		1/11/2024	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		1/11/2024	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		1/11/2024	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		1/11/2024	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		1/11/2024	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		1/11/2024	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/11/2024	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		1/11/2024	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		1/11/2024	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		1/11/2024	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		1/11/2024	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		1/11/2024	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		1/11/2024	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		1/11/2024	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		1/11/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		1/11/2024	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		1/11/2024	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		1/11/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		1/11/2024	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		1/11/2024	CJR	1
Tetrachloroethene	7.3	ug/l	0.47	1.91	1	8260B		1/11/2024	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		1/11/2024	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		1/11/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43441

Lab Code 5043441C
Sample ID 6348-MW-3
Sample Matrix Water
Sample Date 1/10/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		1/11/2024	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		1/11/2024	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		1/11/2024	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		1/11/2024	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		1/11/2024	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		1/11/2024	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		1/11/2024	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		1/11/2024	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		1/11/2024	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		1/11/2024	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		1/11/2024	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		1/11/2024	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %			1	8260B		1/11/2024	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		1/11/2024	CJR	1



February 14, 2024

Nicollette Morris
Enviorforensics
825 N Capital Ave
Indianapolis, IN 46204

RE: Project: 6348 HARBORVIEW CLEANERS
Pace Project No.: 20303823

Dear Nicollette Morris:

Enclosed are the analytical results for sample(s) received by the laboratory on January 12, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Baton Rouge

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

Sincerely,

Juanita Polanco
juanita.polanco@pacelabs.com
(225) 769-4900
Project Manager

Enclosures

cc: Wayne Fassbender, Enviroforensics



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 6348 HARBORVIEW CLEANERS

Pace Project No.: 20303823

Pace Analytical Services Baton Rouge

7979 Innovation Park Drive Ste A, Baton Rouge, LA
70820-7402

Louisiana Dept of Environmental Quality (NELAC/LELAP):
01979

Florida Dept of Health (NELAC/FELAP): E87854

DoD ELAP (A2LA) #: 6429.01

Alabama DEM #: 41900

Alaska DEC-DW #: LA00024

Alaska DEC CS-LAP #: 21-001

Arkansas DEQ #: 88-0655

California ELAP #: 3063

Georgia DPD #: C050

Hawaii DOH State Laboratories Division

Illinois EPA #: 200048

Kansas DoHE #: E-10354

Kentucky DEP UST Branch #: 123054

Louisiana DOH #: LA036

Minnesota DOH #: 2233799

Mississippi State Dept of Health

Montana Department of Environmental Quality

Nebraska DHHS #: NE-OS-35.21

Nevada DCNR DEP #: LA00024

New York DOH #: 12149

North Carolina DEQ - WW & GW #: 618

North Dakota DEQ #: R195

Ohio EPA #: 87782

Oklahoma Dept of Environmental Quality #: 9403

Oregon ELAP #: 4168

Pennsylvania Dept of Environmental Protection #: 68-
05973

South Carolina DHEC #: 73006001

Texas CEQ #: T104704178-23-15

Utah DOH #: LA00024

Virginia DCLS #: 6460215

Washington Dept of Ecology #: C929

Wisconsin DNR #: 399139510

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SAMPLE SUMMARY

Project: 6348 HARBORVIEW CLEANERS
Pace Project No.: 20303823

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20303823001	FIELD BLANK	Water	01/10/24 11:16	01/12/24 10:07
20303823002	6348-MW-3	Water	01/10/24 11:15	01/12/24 10:07
20303823003	6348-DUP-1	Water	01/10/24 00:01	01/12/24 10:07

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SAMPLE ANALYTE COUNT

Project: 6348 HARBORVIEW CLEANERS
Pace Project No.: 20303823

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20303823001	FIELD BLANK	EPA 537 Mod	BRC	58
20303823002	6348-MW-3	EPA 537 Mod	BRC	58
20303823003	6348-DUP-1	EPA 537 Mod	RMP	58

PASI-BR = Pace Analytical Services - Baton Rouge

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ANALYTICAL RESULTS

Project: 6348 HARBORVIEW CLEANERS

Pace Project No.: 20303823

Sample: FIELD BLANK	Lab ID: 20303823001	Collected: 01/10/24 11:16	Received: 01/12/24 10:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
PFAS in Water-EPA 537 Mod		Analytical Method: EPA 537 Mod Preparation Method: EPA 537 Mod Pace Analytical Services - Baton Rouge						
11CI-PF3OUdS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	763051-92-9	
4:2 FTS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	757124-72-4	
6:2 FTS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	27619-97-2	
8:2 FTS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	39108-34-4	
9CI-PF3ONS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	756426-58-1	
ADONA	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	919005-14-4	
HFPO-DA	ND	ng/L	7.7	1	01/18/24 05:33	01/19/24 19:27	13252-13-6	
NEtFOSAA	ND	ng/L	7.7	1	01/18/24 05:33	01/19/24 19:27	2991-50-6	
NEtFOSA	ND	ng/L	7.7	1	01/18/24 05:33	01/19/24 19:27	4151-50-2	
NEtFOSE	ND	ng/L	7.7	1	01/18/24 05:33	01/19/24 19:27	1691-99-2	N2
NMeFOSAA	ND	ng/L	7.7	1	01/18/24 05:33	01/19/24 19:27	2355-31-9	
NMeFOSA	ND	ng/L	7.7	1	01/18/24 05:33	01/19/24 19:27	31506-32-8	
NMeFOSE	ND	ng/L	7.7	1	01/18/24 05:33	01/19/24 19:27	24448-09-7	N2
Perfluorobutanesulfonic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	375-73-5	
Perfluorodecanoic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	335-76-2	
Perfluorohexanoic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	307-24-4	
PFBA	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	375-22-4	
PFDS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	335-77-3	
PFDoS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	79780-39-5	
PFHpS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	375-92-8	
PFNS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	68259-12-1	
PFOSA	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	754-91-6	
PFPeA	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	2706-90-3	
PFPeS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	2706-91-4	
Perfluorododecanoic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	307-55-1	
Perfluoroheptanoic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	375-85-9	
Perfluorohexanesulfonic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	355-46-4	
Perfluorononanoic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	375-95-1	
Perfluorooctanesulfonic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	1763-23-1	
Perfluorooctanoic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	335-67-1	
Perfluorotetradecanoic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	376-06-7	
Perfluorotridecanoic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	72629-94-8	
Perfluoroundecanoic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:27	2058-94-8	
Extracted Internal Standards								
13C2-PFDoA (IS)	83.7	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C2-PFTA (IS)	79.1	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C24:2FTS (IS)	96.5	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C26:2FTS (IS)	90.6	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C28:2FTS (IS)	88.3	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C2PFHxDA (IS)	54.7	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C3-PFBS (IS)	88.6	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C3-PFHxS (IS)	83.8	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C3HFPO-DA (IS)	76.0	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C4-PFBA (IS)	84.3	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C4-PFHpA (IS)	87.2	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C5-PFHxA (IS)	90.9	%	50-150	1	01/18/24 05:33	01/19/24 19:27		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6348 HARBORVIEW CLEANERS

Pace Project No.: 20303823

Sample: FIELD BLANK		Lab ID: 20303823001	Collected: 01/10/24 11:16	Received: 01/12/24 10:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
PFAS in Water-EPA 537 Mod		Analytical Method: EPA 537 Mod Preparation Method: EPA 537 Mod Pace Analytical Services - Baton Rouge						
Extracted Internal Standards								
13C5-PFPeA (IS)	91.9	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C6-PFDA (IS)	84.1	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C7-PFUDa (IS)	86.3	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C8-PFOA (IS)	90.6	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C8-PFOS (IS)	83.7	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C8-PFOA (IS)	78.9	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
13C9-PFNA (IS)	88.6	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
d3-MeFOSAA (IS)	84.0	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
d3-NMeFOSA (IS)	31.2	%	50-150	1	01/18/24 05:33	01/19/24 19:27		IS
d5-EtFOSAA (IS)	87.1	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
d5-NEtFOSA (IS)	26.9	%	50-150	1	01/18/24 05:33	01/19/24 19:27		IS
d7-NMeFOSE (IS)	58.2	%	50-150	1	01/18/24 05:33	01/19/24 19:27		
d9-NEtFOSE (IS)	60.0	%	50-150	1	01/18/24 05:33	01/19/24 19:27		

Sample: 6348-MW-3		Lab ID: 20303823002	Collected: 01/10/24 11:15	Received: 01/12/24 10:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
PFAS in Water-EPA 537 Mod		Analytical Method: EPA 537 Mod Preparation Method: EPA 537 Mod Pace Analytical Services - Baton Rouge						
11CI-PF3OUdS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	763051-92-9	
4:2 FTS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	757124-72-4	
6:2 FTS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	27619-97-2	
8:2 FTS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	39108-34-4	
9CI-PF3ONS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	756426-58-1	
ADONA	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	919005-14-4	
HFPO-DA	ND	ng/L	7.8	1	01/18/24 05:33	01/19/24 19:42	13252-13-6	
NEtFOSAA	ND	ng/L	7.8	1	01/18/24 05:33	01/19/24 19:42	2991-50-6	
NEtFOSA	ND	ng/L	7.8	1	01/18/24 05:33	01/19/24 19:42	4151-50-2	
NEtFOSE	ND	ng/L	7.8	1	01/18/24 05:33	01/19/24 19:42	1691-99-2	N2
NMeFOSAA	ND	ng/L	7.8	1	01/18/24 05:33	01/19/24 19:42	2355-31-9	
NMeFOSA	ND	ng/L	7.8	1	01/18/24 05:33	01/19/24 19:42	31506-32-8	
NMeFOSE	ND	ng/L	7.8	1	01/18/24 05:33	01/19/24 19:42	24448-09-7	N2
Perfluorobutanesulfonic acid	10.9	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	375-73-5	
Perfluorodecanoic acid	4.5	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	335-76-2	
Perfluorohexanoic acid	23.8	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	307-24-4	
PFBA	15.5	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	375-22-4	
PFDS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	335-77-3	
PFDoS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	79780-39-5	
PFHpS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	375-92-8	
PFNS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	68259-12-1	
PFOSA	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	754-91-6	
PFPeA	24.2	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	2706-90-3	
PFPeS	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	2706-91-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6348 HARBORVIEW CLEANERS

Pace Project No.: 20303823

Sample: 6348-MW-3		Lab ID: 20303823002	Collected: 01/10/24 11:15	Received: 01/12/24 10:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
PFAS in Water-EPA 537 Mod		Analytical Method: EPA 537 Mod Preparation Method: EPA 537 Mod Pace Analytical Services - Baton Rouge						
Perfluorododecanoic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	307-55-1	
Perfluoroheptanoic acid	16.6	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	375-85-9	
Perfluorohexanesulfonic acid	4.7	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	355-46-4	
Perfluorononanoic acid	5.8	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	375-95-1	
Perfluorooctanesulfonic acid	24.8	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	1763-23-1	
Perfluorooctanoic acid	48.9	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	335-67-1	
Perfluorotetradecanoic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	376-06-7	
Perfluorotridecanoic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	72629-94-8	
Perfluoroundecanoic acid	ND	ng/L	3.9	1	01/18/24 05:33	01/19/24 19:42	2058-94-8	
Extracted Internal Standards								
13C2-PFDoA (IS)	46.6	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
13C2-PFTA (IS)	9.8	%	50-150	1	01/18/24 05:33	01/19/24 19:42		IS
13C24:2FTS (IS)	114	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
13C26:2FTS (IS)	106	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
13C28:2FTS (IS)	76.1	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
13C2PFHxDA (IS)	1.5	%	50-150	1	01/18/24 05:33	01/19/24 19:42		IS
13C3-PFBS (IS)	83.4	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
13C3-PFHxS (IS)	79.4	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
13C3HFPO-DA (IS)	64.1	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
13C4-PFBA (IS)	74.6	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
13C4-PFHpA (IS)	82.1	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
13C5-PFHxA (IS)	82.3	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
13C5-PFPeA (IS)	85.9	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
13C6-PFDA (IS)	73.4	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
13C7-PFUDa (IS)	66.7	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
13C8-PFOA (IS)	84.7	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
13C8-PFOS (IS)	75.0	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
13C8-PFOSA (IS)	49.5	%	50-150	1	01/18/24 05:33	01/19/24 19:42		IS
13C9-PFNA (IS)	79.6	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
d3-MeFOSAA (IS)	71.9	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
d3-NMeFOSA (IS)	0.21	%	50-150	1	01/18/24 05:33	01/19/24 19:42		IS
d5-EtFOSAA (IS)	64.7	%	50-150	1	01/18/24 05:33	01/19/24 19:42		
d5-NEtFOSA (IS)	1.2	%	50-150	1	01/18/24 05:33	01/19/24 19:42		IS
d7-NMeFOSE (IS)	2.9	%	50-150	1	01/18/24 05:33	01/19/24 19:42		IS
d9-NEtFOSE (IS)	1.6	%	50-150	1	01/18/24 05:33	01/19/24 19:42		IS

Sample: 6348-DUP-1		Lab ID: 20303823003	Collected: 01/10/24 00:01	Received: 01/12/24 10:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
PFAS in Water-EPA 537 Mod		Analytical Method: EPA 537 Mod Preparation Method: EPA 537 Mod Pace Analytical Services - Baton Rouge						
11CI-PF3OUdS	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	763051-92-9	
4:2 FTS	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	757124-72-4	
6:2 FTS	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	27619-97-2	

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ANALYTICAL RESULTS

Project: 6348 HARBORVIEW CLEANERS

Pace Project No.: 20303823

Sample: 6348-DUP-1	Lab ID: 20303823003	Collected: 01/10/24 00:01	Received: 01/12/24 10:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
PFAS in Water-EPA 537 Mod		Analytical Method: EPA 537 Mod Preparation Method: EPA 537 Mod Pace Analytical Services - Baton Rouge						
8:2 FTS	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	39108-34-4	
9CI-PF3ONS	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	756426-58-1	
ADONA	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	919005-14-4	
HFPO-DA	ND	ng/L	40.0	1	02/05/24 16:30	02/07/24 18:32	13252-13-6	
NEtFOSAA	ND	ng/L	40.0	1	02/05/24 16:30	02/07/24 18:32	2991-50-6	
NEtFOSA	ND	ng/L	40.0	1	02/05/24 16:30	02/07/24 18:32	4151-50-2	
NEtFOSE	ND	ng/L	40.0	1	02/05/24 16:30	02/07/24 18:32	1691-99-2	N2
NMeFOSAA	ND	ng/L	40.0	1	02/05/24 16:30	02/07/24 18:32	2355-31-9	
NMeFOSA	ND	ng/L	40.0	1	02/05/24 16:30	02/07/24 18:32	31506-32-8	
NMeFOSE	ND	ng/L	40.0	1	02/05/24 16:30	02/07/24 18:32	24448-09-7	N2
Perfluorobutanesulfonic acid	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	375-73-5	
Perfluorodecanoic acid	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	335-76-2	
Perfluorohexanoic acid	21.3	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	307-24-4	
PFBA	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	375-22-4	
PFDS	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	335-77-3	
PFDoS	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	79780-39-5	
PFHpS	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	375-92-8	
PFNS	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	68259-12-1	
PFOSA	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	754-91-6	
PFPeA	22.7	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	2706-90-3	
PFPeS	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	2706-91-4	
Perfluorododecanoic acid	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	307-55-1	
Perfluoroheptanoic acid	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	375-85-9	
Perfluorohexanesulfonic acid	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	355-46-4	
Perfluorononanoic acid	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	375-95-1	
Perfluorooctanesulfonic acid	28.4	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	1763-23-1	
Perfluorooctanoic acid	43.6	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	335-67-1	
Perfluorotetradecanoic acid	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	376-06-7	
Perfluorotridecanoic acid	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	72629-94-8	
Perfluoroundecanoic acid	ND	ng/L	20.0	1	02/05/24 16:30	02/07/24 18:32	2058-94-8	
Extracted Internal Standards								
13C2-PFDoA (IS)	78.7	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C2-PFTA (IS)	73.7	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C24:2FTS (IS)	104	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C26:2FTS (IS)	92.6	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C28:2FTS (IS)	87.2	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C2PFHxDA (IS)	59.2	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C3-PFBS (IS)	84.8	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C3-PFHxS (IS)	83.6	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C3HFPO-DA (IS)	87.5	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C4-PFBA (IS)	80.1	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C4-PFHxA (IS)	85.0	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C5-PFHxA (IS)	86.4	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C5-PFPeA (IS)	85.6	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C6-PFDA (IS)	82.6	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C7-PFUdA (IS)	79.3	%	50-150	1	02/05/24 16:30	02/07/24 18:32		

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ANALYTICAL RESULTS

Project: 6348 HARBORVIEW CLEANERS

Pace Project No.: 20303823

Sample: 6348-DUP-1	Lab ID: 20303823003	Collected: 01/10/24 00:01	Received: 01/12/24 10:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

PFAS in Water-EPA 537 Mod

Analytical Method: EPA 537 Mod Preparation Method: EPA 537 Mod
 Pace Analytical Services - Baton Rouge

Extracted Internal Standards

13C8-PFOA (IS)	86.4	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C8-PFOS (IS)	82.0	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C8-PFOSA (IS)	79.2	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
13C9-PFNA (IS)	84.1	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
d3-MeFOSAA (IS)	77.9	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
d3-NMeFOSA (IS)	55.9	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
d5-EtFOSAA (IS)	77.4	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
d5-NEtFOSA (IS)	49.7	%	50-150	1	02/05/24 16:30	02/07/24 18:32		IS
d7-NMeFOSE (IS)	69.2	%	50-150	1	02/05/24 16:30	02/07/24 18:32		
d9-NEtFOSE (IS)	68.8	%	50-150	1	02/05/24 16:30	02/07/24 18:32		

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QUALITY CONTROL DATA

Project: 6348 HARBORVIEW CLEANERS

Pace Project No.: 20303823

QC Batch:	315947	Analysis Method:	EPA 537 Mod
QC Batch Method:	EPA 537 Mod	Analysis Description:	PFAS in Water-EPA 537 Mod
		Laboratory:	Pace Analytical Services - Baton Rouge

Associated Lab Samples: 20303823001, 20303823002

METHOD BLANK: 1512204 Matrix: Water

Associated Lab Samples: 20303823001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11CI-PF3OUdS	ng/L	ND	4.0	01/19/24 17:39	
4:2 FTS	ng/L	ND	4.0	01/19/24 17:39	
6:2 FTS	ng/L	ND	4.0	01/19/24 17:39	
8:2 FTS	ng/L	ND	4.0	01/19/24 17:39	
9CI-PF3ONS	ng/L	ND	4.0	01/19/24 17:39	
ADONA	ng/L	ND	4.0	01/19/24 17:39	
HFPO-DA	ng/L	ND	8.0	01/19/24 17:39	
NEtFOSA	ng/L	ND	8.0	01/19/24 17:39	
NEtFOSAA	ng/L	ND	8.0	01/19/24 17:39	
NEtFOSE	ng/L	ND	8.0	01/19/24 17:39	N2
NMeFOSA	ng/L	ND	8.0	01/19/24 17:39	
NMeFOSAA	ng/L	ND	8.0	01/19/24 17:39	
NMeFOSE	ng/L	ND	8.0	01/19/24 17:39	N2
Perfluorobutanesulfonic acid	ng/L	ND	4.0	01/19/24 17:39	
Perfluorodecanoic acid	ng/L	ND	4.0	01/19/24 17:39	
Perfluorododecanoic acid	ng/L	ND	4.0	01/19/24 17:39	
Perfluoroheptanoic acid	ng/L	ND	4.0	01/19/24 17:39	
Perfluorohexanesulfonic acid	ng/L	ND	4.0	01/19/24 17:39	
Perfluorohexanoic acid	ng/L	ND	4.0	01/19/24 17:39	
Perfluorononanoic acid	ng/L	ND	4.0	01/19/24 17:39	
Perfluorooctanesulfonic acid	ng/L	ND	4.0	01/19/24 17:39	
Perfluorooctanoic acid	ng/L	ND	4.0	01/19/24 17:39	
Perfluorotetradecanoic acid	ng/L	ND	4.0	01/19/24 17:39	
Perfluorotridecanoic acid	ng/L	ND	4.0	01/19/24 17:39	
Perfluoroundecanoic acid	ng/L	ND	4.0	01/19/24 17:39	
PFBA	ng/L	ND	4.0	01/19/24 17:39	
PFDoS	ng/L	ND	4.0	01/19/24 17:39	
PFDS	ng/L	ND	4.0	01/19/24 17:39	
PFHpS	ng/L	ND	4.0	01/19/24 17:39	
PFNS	ng/L	ND	4.0	01/19/24 17:39	
PFOSA	ng/L	ND	4.0	01/19/24 17:39	
PFPeA	ng/L	ND	4.0	01/19/24 17:39	
PFPeS	ng/L	ND	4.0	01/19/24 17:39	
13C2-PFDoA (IS)	%	85.0	50-150	01/19/24 17:39	
13C2-PFTA (IS)	%	78.8	50-150	01/19/24 17:39	
13C24:2FTS (IS)	%	91.2	50-150	01/19/24 17:39	
13C26:2FTS (IS)	%	90.4	50-150	01/19/24 17:39	
13C28:2FTS (IS)	%	90.7	50-150	01/19/24 17:39	
13C2PFHxDA (IS)	%	52.5	50-150	01/19/24 17:39	
13C3-PFBS (IS)	%	85.8	50-150	01/19/24 17:39	

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QUALITY CONTROL DATA

Project: 6348 HARBORVIEW CLEANERS

Pace Project No.: 20303823

METHOD BLANK: 1512204

Matrix: Water

Associated Lab Samples: 20303823001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
13C3-PFHxS (IS)	%	82.6	50-150	01/19/24 17:39	
13C3HFPO-DA(IS)	%	74.3	50-150	01/19/24 17:39	
13C4-PFBA (IS)	%	87.0	50-150	01/19/24 17:39	
13C4-PFHpA (IS)	%	87.9	50-150	01/19/24 17:39	
13C5-PFHxA (IS)	%	87.0	50-150	01/19/24 17:39	
13C5-PFPeA (IS)	%	91.1	50-150	01/19/24 17:39	
13C6-PFDA (IS)	%	87.2	50-150	01/19/24 17:39	
13C7-PFUdA (IS)	%	87.0	50-150	01/19/24 17:39	
13C8-PFOA (IS)	%	89.2	50-150	01/19/24 17:39	
13C8-PFOS (IS)	%	81.0	50-150	01/19/24 17:39	
13C8-PFOSA (IS)	%	72.1	50-150	01/19/24 17:39	
13C9-PFNA (IS)	%	87.2	50-150	01/19/24 17:39	
d3-MeFOSAA (IS)	%	87.9	50-150	01/19/24 17:39	
d3-NMeFOSA (IS)	%	55.2	50-150	01/19/24 17:39	
d5-EtFOSAA (IS)	%	84.4	50-150	01/19/24 17:39	
d5-NEtFOSA (IS)	%	57.2	50-150	01/19/24 17:39	
d7-NMeFOSE (IS)	%	56.4	50-150	01/19/24 17:39	
d9-NEtFOSE (IS)	%	63.0	50-150	01/19/24 17:39	

LABORATORY CONTROL SAMPLE & LCSD: 1512205

1512206

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
11CI-PF3OUdS	ng/L	75.6	67.5	67.6	89	89	70-130	0	30	
4:2 FTS	ng/L	74.8	68.8	69.2	92	93	70-130	1	30	
6:2 FTS	ng/L	76	73.7	70.1	97	92	70-130	5	30	
8:2 FTS	ng/L	76.8	76.3	75.1	99	98	70-130	2	30	
9CI-PF3ONS	ng/L	74.8	69.5	69.6	93	93	70-130	0	30	
ADONA	ng/L	75.6	69.4	67.0	92	89	70-130	3	30	
HFPO-DA	ng/L	160	167	155	105	97	70-130	7	30	
NEtFOSA	ng/L	80	83.1	88.0	104	110	70-130	6	30	
NEtFOSAA	ng/L	80	71.6	75.0	89	94	70-130	5	30	
NEtFOSE	ng/L	80	79.1	78.3	99	98	70-130	1	30	N2
NMeFOSA	ng/L	80	85.7	91.2	107	114	70-130	6	30	
NMeFOSAA	ng/L	80	74.7	77.6	93	97	70-130	4	30	
NMeFOSE	ng/L	80	85.2	83.0	107	104	70-130	3	30	N2
Perfluorobutanesulfonic acid	ng/L	70.8	66.4	66.4	94	94	70-130	0	30	
Perfluorodecanoic acid	ng/L	80	74.2	71.6	93	89	70-130	4	30	
Perfluorododecanoic acid	ng/L	80	75.5	73.1	94	91	70-130	3	30	
Perfluoroheptanoic acid	ng/L	80	75.6	74.2	95	93	70-130	2	30	
Perfluorohexanesulfonic acid	ng/L	73.2	69.8	69.1	95	94	70-130	1	30	
Perfluorohexanoic acid	ng/L	80	75.9	74.8	95	93	70-130	1	30	
Perfluorononanoic acid	ng/L	80	72.9	73.5	91	92	70-130	1	30	
Perfluorooctanesulfonic acid	ng/L	74.4	70.5	70.0	95	94	70-130	1	30	
Perfluorooctanoic acid	ng/L	80	73.6	73.4	92	92	70-130	0	30	

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QUALITY CONTROL DATA

Project: 6348 HARBORVIEW CLEANERS

Pace Project No.: 20303823

Parameter	Units	1512205		1512206		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCSD Result						
Perfluorotetradecanoic acid	ng/L	80	72.6	73.1	91	91	70-130	1	30		
Perfluorotridecanoic acid	ng/L	80	74.6	74.3	93	93	70-130	0	30		
Perfluoroundecanoic acid	ng/L	80	75.1	73.6	94	92	70-130	2	30		
PFBA	ng/L	80	74.8	74.5	94	93	70-130	0	30		
PFDoS	ng/L	77.6	69.8	67.8	90	87	70-130	3	30		
PFDS	ng/L	77.2	71.3	70.4	92	91	70-130	1	30		
PFHpS	ng/L	76.4	71.7	72.7	94	95	70-130	1	30		
PFNS	ng/L	76.8	71.5	71.1	93	93	70-130	1	30		
PFOSA	ng/L	80	72.7	74.8	91	93	70-130	3	30		
PFPeA	ng/L	80	75.7	74.9	95	94	70-130	1	30		
PFPeS	ng/L	75.2	71.5	71.3	95	95	70-130	0	30		
13C2-PFDoA (IS)	%				82.4	81.9	50-150				
13C2-PFTA (IS)	%				79.6	76	50-150				
13C24:2FTS (IS)	%				89.2	89.1	50-150				
13C26:2FTS (IS)	%				81.9	85	50-150				
13C28:2FTS (IS)	%				83.7	81.8	50-150				
13C2PFHxDA(IS)	%				53	56.1	50-150				
13C3-PFBS (IS)	%				82.6	82.3	50-150				
13C3-PFHxS (IS)	%				80.8	79.2	50-150				
13C3HFPO-DA(IS)	%				73.6	74.4	50-150				
13C4-PFBA (IS)	%				86	84.2	50-150				
13C4-PFHpA (IS)	%				84.6	83.6	50-150				
13C5-PFHxA (IS)	%				86.5	85.4	50-150				
13C5-PFPeA (IS)	%				86.6	84.7	50-150				
13C6-PFDA (IS)	%				83.6	82.1	50-150				
13C7-PFUdA (IS)	%				83.5	82.8	50-150				
13C8-PFOA (IS)	%				86.2	85.5	50-150				
13C8-PFOS (IS)	%				81.1	80.4	50-150				
13C8-PFOSA (IS)	%				80.3	75.4	50-150				
13C9-PFNA (IS)	%				86.6	84.2	50-150				
d3-MeFOSAA (IS)	%				88.7	79.7	50-150				
d3-NMeFOSA (IS)	%				39.4	19.2	50-150			IS	
d5-EtFOSAA (IS)	%				84.7	78	50-150				
d5-NEtFOSA (IS)	%				39	14.7	50-150			IS	
d7-NMeFOSE (IS)	%				64.3	57.8	50-150				
d9-NEtFOSE (IS)	%				69.7	59.6	50-150				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6348 HARBORVIEW CLEANERS

Pace Project No.: 20303823

QC Batch:	318001	Analysis Method:	EPA 537 Mod
QC Batch Method:	EPA 537 Mod	Analysis Description:	PFAS in Water-EPA 537 Mod
		Laboratory:	Pace Analytical Services - Baton Rouge

Associated Lab Samples: 20303823003

METHOD BLANK: 1522521 Matrix: Water

Associated Lab Samples: 20303823003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11CI-PF3OUdS	ng/L	ND	4.0	02/07/24 17:48	
4:2 FTS	ng/L	ND	4.0	02/07/24 17:48	
6:2 FTS	ng/L	ND	4.0	02/07/24 17:48	
8:2 FTS	ng/L	5.3	4.0	02/07/24 17:48	
9CI-PF3ONS	ng/L	ND	4.0	02/07/24 17:48	
ADONA	ng/L	ND	4.0	02/07/24 17:48	
HFPO-DA	ng/L	ND	8.0	02/07/24 17:48	
NEtFOSA	ng/L	ND	8.0	02/07/24 17:48	
NEtFOSAA	ng/L	ND	8.0	02/07/24 17:48	
NEtFOSE	ng/L	ND	8.0	02/07/24 17:48	N2
NMeFOSA	ng/L	ND	8.0	02/07/24 17:48	
NMeFOSAA	ng/L	ND	8.0	02/07/24 17:48	
NMeFOSE	ng/L	ND	8.0	02/07/24 17:48	N2
Perfluorobutanesulfonic acid	ng/L	ND	4.0	02/07/24 17:48	
Perfluorodecanoic acid	ng/L	ND	4.0	02/07/24 17:48	
Perfluorododecanoic acid	ng/L	ND	4.0	02/07/24 17:48	
Perfluoroheptanoic acid	ng/L	ND	4.0	02/07/24 17:48	
Perfluorohexanesulfonic acid	ng/L	ND	4.0	02/07/24 17:48	
Perfluorohexanoic acid	ng/L	ND	4.0	02/07/24 17:48	
Perfluorononanoic acid	ng/L	ND	4.0	02/07/24 17:48	
Perfluorooctanesulfonic acid	ng/L	ND	4.0	02/07/24 17:48	
Perfluorooctanoic acid	ng/L	ND	4.0	02/07/24 17:48	
Perfluorotetradecanoic acid	ng/L	ND	4.0	02/07/24 17:48	
Perfluorotridecanoic acid	ng/L	ND	4.0	02/07/24 17:48	
Perfluoroundecanoic acid	ng/L	ND	4.0	02/07/24 17:48	
PFBA	ng/L	ND	4.0	02/07/24 17:48	
PFDoS	ng/L	ND	4.0	02/07/24 17:48	
PFDS	ng/L	ND	4.0	02/07/24 17:48	
PFHpS	ng/L	ND	4.0	02/07/24 17:48	
PFNS	ng/L	ND	4.0	02/07/24 17:48	
PFOSA	ng/L	ND	4.0	02/07/24 17:48	
PFPeA	ng/L	ND	4.0	02/07/24 17:48	
PFPeS	ng/L	ND	4.0	02/07/24 17:48	
13C2-PFDoA (IS)	%	83.9	50-150	02/07/24 17:48	
13C2-PFTA (IS)	%	81.9	50-150	02/07/24 17:48	
13C24:2FTS (IS)	%	87.7	50-150	02/07/24 17:48	
13C26:2FTS (IS)	%	90.3	50-150	02/07/24 17:48	
13C28:2FTS (IS)	%	93.0	50-150	02/07/24 17:48	
13C2PFHxDA (IS)	%	85.9	50-150	02/07/24 17:48	
13C3-PFBS (IS)	%	85.7	50-150	02/07/24 17:48	

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QUALITY CONTROL DATA

Project: 6348 HARBORVIEW CLEANERS

Pace Project No.: 20303823

METHOD BLANK: 1522521

Matrix: Water

Associated Lab Samples: 20303823003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
13C3-PFHxS (IS)	%	83.4	50-150	02/07/24 17:48	
13C3HFPO-DA(IS)	%	90.7	50-150	02/07/24 17:48	
13C4-PFBA (IS)	%	86.1	50-150	02/07/24 17:48	
13C4-PFHpA (IS)	%	88.8	50-150	02/07/24 17:48	
13C5-PFHxA (IS)	%	88.7	50-150	02/07/24 17:48	
13C5-PFPeA (IS)	%	89.7	50-150	02/07/24 17:48	
13C6-PFDA (IS)	%	86.6	50-150	02/07/24 17:48	
13C7-PFUdA (IS)	%	82.3	50-150	02/07/24 17:48	
13C8-PFOA (IS)	%	90.4	50-150	02/07/24 17:48	
13C8-PFOS (IS)	%	83.8	50-150	02/07/24 17:48	
13C8-PFOSA (IS)	%	80.2	50-150	02/07/24 17:48	
13C9-PFNA (IS)	%	87.6	50-150	02/07/24 17:48	
d3-MeFOSAA (IS)	%	81.4	50-150	02/07/24 17:48	
d3-NMeFOSA (IS)	%	44.4	50-150	02/07/24 17:48	IS
d5-EtFOSAA (IS)	%	81.4	50-150	02/07/24 17:48	
d5-NEtFOSA (IS)	%	42.8	50-150	02/07/24 17:48	IS
d7-NMeFOSE (IS)	%	54.0	50-150	02/07/24 17:48	
d9-NEtFOSE (IS)	%	55.6	50-150	02/07/24 17:48	

LABORATORY CONTROL SAMPLE & LCSD: 1522522

1522523

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
11CI-PF3OUdS	ng/L	75.6	73.2	76.2	97	101	70-130	4	30	
4:2 FTS	ng/L	74.8	77.8	75.0	104	100	70-130	4	30	
6:2 FTS	ng/L	76	79.4	80.4	104	106	70-130	1	30	
8:2 FTS	ng/L	76.8	80.6	82.1	105	107	70-130	2	30	
9CI-PF3ONS	ng/L	74.8	71.6	73.4	96	98	70-130	3	30	
ADONA	ng/L	75.6	73.4	73.1	97	97	70-130	0	30	
HFPO-DA	ng/L	160	160	166	100	104	70-130	4	30	
NEtFOSA	ng/L	80	79.9	83.5	100	104	70-130	4	30	
NEtFOSAA	ng/L	80	78.0	81.0	98	101	70-130	4	30	
NEtFOSE	ng/L	80	86.0	85.0	108	106	70-130	1	30	N2
NMeFOSA	ng/L	80	82.6	81.6	103	102	70-130	1	30	
NMeFOSAA	ng/L	80	79.6	83.4	99	104	70-130	5	30	
NMeFOSE	ng/L	80	83.4	82.8	104	103	70-130	1	30	N2
Perfluorobutanesulfonic acid	ng/L	70.8	71.0	72.0	100	102	70-130	1	30	
Perfluorodecanoic acid	ng/L	80	79.3	80.7	99	101	70-130	2	30	
Perfluorododecanoic acid	ng/L	80	80.0	80.7	100	101	70-130	1	30	
Perfluoroheptanoic acid	ng/L	80	78.6	80.1	98	100	70-130	2	30	
Perfluorohexanesulfonic acid	ng/L	73.2	72.1	73.3	98	100	70-130	2	30	
Perfluorohexanoic acid	ng/L	80	77.2	79.5	97	99	70-130	3	30	
Perfluorononanoic acid	ng/L	80	79.2	80.3	99	100	70-130	1	30	
Perfluorooctanesulfonic acid	ng/L	74.4	72.2	73.8	97	99	70-130	2	30	
Perfluorooctanoic acid	ng/L	80	79.7	80.2	100	100	70-130	1	30	

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QUALITY CONTROL DATA

Project: 6348 HARBORVIEW CLEANERS

Pace Project No.: 20303823

Parameter	Units	1522522		1522523		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCS % Rec				
Perfluorotetradecanoic acid	ng/L	80	80.4	79.9	101	100	70-130	1	30
Perfluorotridecanoic acid	ng/L	80	78.8	77.9	99	97	70-130	1	30
Perfluoroundecanoic acid	ng/L	80	78.2	81.3	98	102	70-130	4	30
PFBA	ng/L	80	79.2	80.6	99	101	70-130	2	30
PFDoS	ng/L	77.6	74.6	79.7	96	103	70-130	7	30
PFDS	ng/L	77.2	76.4	76.0	99	99	70-130	0	30
PFHpS	ng/L	76.4	75.6	77.1	99	101	70-130	2	30
PFNS	ng/L	76.8	77.5	78.1	101	102	70-130	1	30
PFOSA	ng/L	80	79.2	80.8	99	101	70-130	2	30
PFPeA	ng/L	80	78.9	80.7	99	101	70-130	2	30
PFPeS	ng/L	75.2	74.9	76.7	100	102	70-130	2	30
13C2-PFDoA (IS)	%				86.4	84.6	50-150		
13C2-PFTA (IS)	%				83.2	80.8	50-150		
13C24:2FTS (IS)	%				87.2	86.6	50-150		
13C26:2FTS (IS)	%				89	85	50-150		
13C28:2FTS (IS)	%				87.1	83.1	50-150		
13C2PFHxDA(IS)	%				92	85.9	50-150		
13C3-PFBS (IS)	%				88.2	83.7	50-150		
13C3-PFHxS (IS)	%				89	83.3	50-150		
13C3HFPO-DA(IS)	%				95.9	88.7	50-150		
13C4-PFBA (IS)	%				89.5	84.9	50-150		
13C4-PFHpA (IS)	%				91.8	86.2	50-150		
13C5-PFHxA (IS)	%				92	86.6	50-150		
13C5-PFPeA (IS)	%				93.3	87.8	50-150		
13C6-PFDA (IS)	%				92	86.7	50-150		
13C7-PFUdA (IS)	%				87.6	82.9	50-150		
13C8-PFOA (IS)	%				91.4	86.9	50-150		
13C8-PFOS (IS)	%				87.2	82.4	50-150		
13C8-PFOSA (IS)	%				84.9	77.4	50-150		
13C9-PFNA (IS)	%				90.4	85.9	50-150		
d3-MeFOSAA (IS)	%				88	83.7	50-150		
d3-NMeFOSA (IS)	%				59.4	46.7	50-150		IS
d5-EtFOSAA (IS)	%				83.1	77.1	50-150		
d5-NEtFOSA (IS)	%				63.5	46.6	50-150		IS
d7-NMeFOSE (IS)	%				68.8	63.8	50-150		
d9-NEtFOSE (IS)	%				68.7	63.7	50-150		

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QUALIFIERS

Project: 6348 HARBORVIEW CLEANERS

Pace Project No.: 20303823

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 adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

SAMPLE QUALIFIERS

Sample: 20303823003

[1] For method EPA 537 Mod, the sample was extracted at a reduced volume based on observation of potential matrix interference. As a result, reporting limits are elevated.

ANALYTE QUALIFIERS

IS The internal standard response is below criteria. Results may be biased high.

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6348 HARBORVIEW CLEANERS
Pace Project No.: 20303823

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20303823001	FIELD BLANK	EPA 537 Mod	315947	EPA 537 Mod	316165
20303823002	6348-MW-3	EPA 537 Mod	315947	EPA 537 Mod	316165
20303823003	6348-DUP-1	EPA 537 Mod	318001	EPA 537 Mod	318280

REPORT OF LABORATORY ANALYSIS

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Pace* Location Requested (City/State):

Pace Analytical Baton Rouge
7979 Innovation Park Dr, Suite A
Baton Rouge, LA 70820

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 20303823



20303823

Company Name: Enviroforensics
Street Address: 825 N Capital Ave,
Indianapolis, IN 46204

Contact/Report To: Nicollette Morris
Phone #: 317-56-1984
E-Mail: nmorris@enviroforensics.com
Cc E-Mail: *W Fassbender@enviroforensics.com*

Customer Project #: *Jaggermon Plotting Harborview Cleaners 6348*

Invoice To: Nicollette Morris
Invoice E-Mail: nmorris@enviroforensics.com

Site Collection Info/Facility ID (as applicable):
134 E Grand Ave, Port Washington WI

Purchase Order # (if applicable): *2023-0409*
Quote #:

Time Zone Collected: [] AK [] PT [] MT [x] CT [] ET

County / State origin of sample(s): Wisconsin

Data Deliverables:
[] Level II [] Level III [] Level IV
[] EQUIS
[] Other

Regulatory Program (DW, RCRA, etc.) as applicable:
Rush (Pre-approval required):
[] 2 Day [] 3 day [] 5 day [] Other
Date Results Requested: *Normal Turn*
Field Filtered (if applicable): [] Yes [x] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res. CLZ	Number & Type of Containers		Equipment Blank	PFAS in Water-EPA 537 Mod	Analysis Requested	Preservation non-conformance identified for sample.
			Date	Time	Date	Time		Plastic	Glass				
<i>Field Blank</i>	<i>WT</i>	<i>6</i>	<i>11/10/2024</i>	<i>11:16</i>				<i>2</i>		<i>X</i>			<i>1</i>
<i>6348-MW-3</i>	<i>WT</i>	<i>6</i>	<i>11/10/2024</i>	<i>11:15</i>				<i>2</i>		<i>X</i>			<i>2</i>
<i>6348-DUP-1</i>	<i>WT</i>	<i>6</i>	<i>11/10/2024</i>	<i>-</i>				<i>2</i>		<i>X</i>			<i>3</i>

Customer Remarks / Special Conditions / Possible Hazards:
Contact Pace Manager Juanita Polanco

Collected By:
Printed Name: *Macklin Runyon*
Signature: *Macklin Runyon*

Additional Instructions from Pace*:
Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C)

Relinquished by/Company: (Signature) *Macklin Runyon/Enviroforensics* Date/Time: *01/11/2024/9:25*

Received by/Company: (Signature)

Date/Time:

Tracking Number:

Relinquished by/Company: (Signature) *Jed Up* Date/Time: *1/12/24 10:07*

Received by/Company: (Signature) *DOUG MCCUNE*

Date/Time: *1/12/24 10:07*

Delivered by: [] In-Person [] Courier
[] FedEx [] UPS [] Other

Relinquished by/Company: (Signature)

Received by/Company: (Signature)

Date/Time:

Page: **2** of **2**

Page

Sample Condition Upon Receiving

MO#: 20303823

Workorder

PM: JP1 Due Date: 02/02/24
CLIENT: BR- Envirofo

7979 Innovation Park Dr. Baton Rouge, LA 70806

Cooler Inspected by/date: BRP1 1/12/24

Means of receipt: <input type="checkbox"/> Pace <input type="checkbox"/> Client <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Were custody seals present on the cooler?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	If custody seals were present, were they intact and unbroken?
Method: <input type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles IR Gun ID: E43 IR Gun Correction Factor: 0 °C	
Cooler #1	Cooler Temp °C: 5.1 (Actual/True) Samples on ice: <input type="checkbox"/> Yes <input type="checkbox"/> No pH Strip Lot #
Cooler #2	Cooler Temp °C: _____ (Actual/True) <input type="checkbox"/> Yes <input type="checkbox"/> No
Cooler #3	Cooler Temp °C: _____ (Actual/True) Method of coolant: <input checked="" type="checkbox"/> Wet <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None
Cooler #4	Cooler Temp °C: _____ (Actual/True)
Tracking #: 7081 4046 4822	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Is a temperature blank present?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Was a chain of custody (COC) received?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Was the line and profile number listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Were all coolers received at or below 6.0°C? If no, notify Project Manager notified via email.
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Were proper custody procedures (relinquished/received) followed?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Is the sampler name and signature on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Were sample IDs listed on the COC and all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Was collection date & time listed on the COC and all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Did all container label information (ID, date, time) agree with the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Were tests to be performed listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Was adequate sample volume available?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Were all samples received within ½ the holding time or 48 hours, whichever comes first?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Were all samples containers accounted for? (No missing / excess)
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Were VOA, 8015C (GRO/VPH), and RSK-175 samples free of bubbles > "pea size" (1/4" or 6mm in diameter) in any of the VOA vials?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Trip blank present?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Filtered volume received for dissolved tests?
<i>If no, list affected sample(s) in comments below.</i>	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Were all metals/nutrient samples received at a pH of < 2?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
Comments:	
If No, was preservative added? <input type="checkbox"/> Yes <input type="checkbox"/> No If added, record lots: Dispenser/pipette lot #: _____ HNO ₃ _____ H ₂ SO ₄ _____ NaOH _____ Date: _____ Time: _____	

Synergy Environmental Lab, LLC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

WAYNE FASSBENDER
ENVIROFORENSICS
825 N. CAPITOL AVENUE
INDIANAPOLIS, IN 46204

Report Date 18-Jan-24

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43442

Lab Code 5043442A
Sample ID 6348-134-SS-1
Sample Matrix Air
Sample Date 1/8/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	2430	ug/m3	29.9	95	100	TO-15		1/17/2024	CJR	1
Benzene	12.5	ug/m3	1.36	4.33	10	TO-15		1/16/2024	CJR	1
Benzyl Chloride	< 2.09	ug/m3	2.09	6.65	10	TO-15		1/16/2024	CJR	1
Bromodichloromethane	< 3.74	ug/m3	3.74	11.9	10	TO-15		1/16/2024	CJR	1
Bromoform	< 4.14	ug/m3	4.14	13.2	10	TO-15		1/16/2024	CJR	1
Bromomethane	5.0 "J"	ug/m3	2	6.37	10	TO-15		1/16/2024	CJR	1
1,3-Butadiene	< 1.43	ug/m3	1.43	4.54	10	TO-15		1/16/2024	CJR	1
Carbon Disulfide	< 1.38	ug/m3	1.38	4.4	10	TO-15		1/16/2024	CJR	5
Carbon Tetrachloride	< 3.07	ug/m3	3.07	9.78	10	TO-15		1/16/2024	CJR	1
Chlorobenzene	< 2.51	ug/m3	2.51	7.98	10	TO-15		1/16/2024	CJR	1
Chloroethane	3.7 "J"	ug/m3	1.59	5.07	10	TO-15		1/16/2024	CJR	1
Chloroform	< 3	ug/m3	3	9.53	10	TO-15		1/16/2024	CJR	1
Chloromethane	< 8.31	ug/m3	8.31	26.4	10	TO-15		1/16/2024	CJR	1
Cyclohexane	9.3	ug/m3	2.12	6.74	10	TO-15		1/16/2024	CJR	1
Dibromochloromethane	< 3.76	ug/m3	3.76	12	10	TO-15		1/16/2024	CJR	1
1,4-Dichlorobenzene	< 3.02	ug/m3	3.02	9.6	10	TO-15		1/16/2024	CJR	1
1,3-Dichlorobenzene	< 3.02	ug/m3	3.02	9.6	10	TO-15		1/16/2024	CJR	1
1,2-Dichlorobenzene	< 2.35	ug/m3	2.35	7.49	10	TO-15		1/16/2024	CJR	1
Dichlorodifluoromethane	< 2.63	ug/m3	2.63	8.36	10	TO-15		1/16/2024	CJR	1
1,2-Dichloroethane	< 2.4	ug/m3	2.4	7.63	10	TO-15		1/16/2024	CJR	1
1,1-Dichloroethane	< 1.87	ug/m3	1.87	5.96	10	TO-15		1/16/2024	CJR	1
1,1-Dichloroethene	< 2.1	ug/m3	2.1	6.68	10	TO-15		1/16/2024	CJR	1
cis-1,2-Dichloroethene	< 1.97	ug/m3	1.97	6.26	10	TO-15		1/16/2024	CJR	1
trans-1,2-Dichloroethene	< 2.31	ug/m3	2.31	7.34	10	TO-15		1/16/2024	CJR	1
1,2-Dichloropropane	< 2.8	ug/m3	2.8	8.9	10	TO-15		1/16/2024	CJR	1
trans-1,3-Dichloropropene	< 1.98	ug/m3	1.98	6.3	10	TO-15		1/16/2024	CJR	1
cis-1,3-Dichloropropene	< 2.34	ug/m3	2.34	7.45	10	TO-15		1/16/2024	CJR	1
1,2-Dichlorotetrafluoroethane	< 4.46	ug/m3	4.46	14.2	10	TO-15		1/16/2024	CJR	1
1,4-Dioxane	< 1.57	ug/m3	1.57	5	10	TO-15		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43442

Lab Code 5043442A
Sample ID 6348-134-SS-1
Sample Matrix Air
Sample Date 1/8/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
EDB (1,2-Dibromoethane)	< 3.42	ug/m3	3.42	10.9	10	TO-15		1/16/2024	CJR	1
Ethanol	390	ug/m3	1.52	4.82	10	TO-15		1/16/2024	CJR	1
Ethyl Acetate	< 1.76	ug/m3	1.76	5.59	10	TO-15		1/16/2024	CJR	1
Ethylbenzene	8.2	ug/m3	2.03	6.45	10	TO-15		1/16/2024	CJR	1
4-Ethyltoluene	< 2.14	ug/m3	2.14	6.81	10	TO-15		1/16/2024	CJR	1
Heptane	29.4	ug/m3	2.65	8.45	10	TO-15		1/16/2024	CJR	1
Hexachlorobutadiene	< 4.89	ug/m3	4.89	15.6	10	TO-15		1/16/2024	CJR	1
Hexane	< 150	ug/m3	2.35	7.48	10	TO-15		1/16/2024	CJR	1
2-Hexanone	38	ug/m3	2.22	7.07	10	TO-15		1/16/2024	CJR	1
Isopropyl Alcohol	83	ug/m3	1.09	3.47	10	TO-15		1/16/2024	CJR	1
Methyl ethyl ketone (MEK)	273	ug/m3	1.78	5.67	10	TO-15		1/16/2024	CJR	1
Methyl isobutyl ketone (MIBK)	59	ug/m3	1.68	5.36	10	TO-15		1/16/2024	CJR	1
Methyl Methacrylate	< 2.17	ug/m3	2.17	6.9	10	TO-15		1/16/2024	CJR	1
Methylene chloride	730	ug/m3	1.59	5.06	10	TO-15		1/16/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.6	ug/m3	1.6	5.09	10	TO-15		1/16/2024	CJR	1
Naphthalene	< 6.75	ug/m3	6.75	21.5	10	TO-15		1/16/2024	CJR	1
Propene	67	ug/m3	0.79	2.51	10	TO-15		1/16/2024	CJR	1
Styrene	< 1.81	ug/m3	1.81	5.77	10	TO-15		1/16/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 3.25	ug/m3	3.25	10.3	10	TO-15		1/16/2024	CJR	1
Tetrachloroethene	2180	ug/m3	27.8	88.4	100	TO-15		1/17/2024	CJR	1
Tetrahydrofuran	6.8	ug/m3	1.31	4.17	10	TO-15		1/16/2024	CJR	1
Toluene	34	ug/m3	1.84	5.85	10	TO-15		1/16/2024	CJR	1
1,2,4-Trichlorobenzene	< 6.57	ug/m3	6.57	20.9	10	TO-15		1/16/2024	CJR	1
1,1,1-Trichloroethane	< 2.49	ug/m3	2.49	7.93	10	TO-15		1/16/2024	CJR	1
1,1,2-Trichloroethane	< 2.58	ug/m3	2.58	8.22	10	TO-15		1/16/2024	CJR	1
Trichloroethene (TCE)	4.8 "J"	ug/m3	2.37	7.54	10	TO-15		1/16/2024	CJR	1
Trichlorofluoromethane	< 3.37	ug/m3	3.37	10.7	10	TO-15		1/16/2024	CJR	1
Trichlorotrifluoroethane	< 4.02	ug/m3	4.02	12.8	10	TO-15		1/16/2024	CJR	1
1,2,4-Trimethylbenzene	< 2.83	ug/m3	2.83	8.99	10	TO-15		1/16/2024	CJR	1
1,3,5-Trimethylbenzene	< 2.32	ug/m3	2.32	7.39	10	TO-15		1/16/2024	CJR	1
Vinyl acetate	< 2.03	ug/m3	2.03	6.45	10	TO-15		1/16/2024	CJR	1
Vinyl Chloride	< 1.48	ug/m3	1.48	4.72	10	TO-15		1/16/2024	CJR	1
m&p-Xylene	13.9	ug/m3	3.77	12	10	TO-15		1/16/2024	CJR	1
o-Xylene	6.1 "J"	ug/m3	2.18	6.95	10	TO-15		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43442

Lab Code 5043442B
Sample ID 6348-134-SS-2
Sample Matrix Air
Sample Date 1/8/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	670	ug/m3	2.99	9.5	10	TO-15		1/16/2024	CJR	1
Benzene	8.3	ug/m3	1.36	4.33	10	TO-15		1/16/2024	CJR	1
Benzyl Chloride	< 2.09	ug/m3	2.09	6.65	10	TO-15		1/16/2024	CJR	1
Bromodichloromethane	< 3.74	ug/m3	3.74	11.9	10	TO-15		1/16/2024	CJR	1
Bromoform	< 4.14	ug/m3	4.14	13.2	10	TO-15		1/16/2024	CJR	1
Bromomethane	< 2	ug/m3	2	6.37	10	TO-15		1/16/2024	CJR	1
1,3-Butadiene	< 1.43	ug/m3	1.43	4.54	10	TO-15		1/16/2024	CJR	1
Carbon Disulfide	< 1.38	ug/m3	1.38	4.4	10	TO-15		1/16/2024	CJR	5
Carbon Tetrachloride	< 3.07	ug/m3	3.07	9.78	10	TO-15		1/16/2024	CJR	1
Chlorobenzene	< 2.51	ug/m3	2.51	7.98	10	TO-15		1/16/2024	CJR	1
Chloroethane	< 1.59	ug/m3	1.59	5.07	10	TO-15		1/16/2024	CJR	1
Chloroform	< 3	ug/m3	3	9.53	10	TO-15		1/16/2024	CJR	1
Chloromethane	< 8.31	ug/m3	8.31	26.4	10	TO-15		1/16/2024	CJR	1
Cyclohexane	4.5 "J"	ug/m3	2.12	6.74	10	TO-15		1/16/2024	CJR	1
Dibromochloromethane	< 3.76	ug/m3	3.76	12	10	TO-15		1/16/2024	CJR	1
1,4-Dichlorobenzene	< 3.02	ug/m3	3.02	9.6	10	TO-15		1/16/2024	CJR	1
1,3-Dichlorobenzene	< 3.02	ug/m3	3.02	9.6	10	TO-15		1/16/2024	CJR	1
1,2-Dichlorobenzene	< 2.35	ug/m3	2.35	7.49	10	TO-15		1/16/2024	CJR	1
Dichlorodifluoromethane	< 2.63	ug/m3	2.63	8.36	10	TO-15		1/16/2024	CJR	1
1,2-Dichloroethane	< 2.4	ug/m3	2.4	7.63	10	TO-15		1/16/2024	CJR	1
1,1-Dichloroethane	8.4	ug/m3	1.87	5.96	10	TO-15		1/16/2024	CJR	1
1,1-Dichloroethene	< 2.1	ug/m3	2.1	6.68	10	TO-15		1/16/2024	CJR	1
cis-1,2-Dichloroethene	7.5	ug/m3	1.97	6.26	10	TO-15		1/16/2024	CJR	1
trans-1,2-Dichloroethene	< 2.31	ug/m3	2.31	7.34	10	TO-15		1/16/2024	CJR	1
1,2-Dichloropropane	< 2.8	ug/m3	2.8	8.9	10	TO-15		1/16/2024	CJR	1
trans-1,3-Dichloropropene	< 1.98	ug/m3	1.98	6.3	10	TO-15		1/16/2024	CJR	1
cis-1,3-Dichloropropene	< 2.34	ug/m3	2.34	7.45	10	TO-15		1/16/2024	CJR	1
1,2-Dichlorotetrafluoroethane	< 4.46	ug/m3	4.46	14.2	10	TO-15		1/16/2024	CJR	1
1,4-Dioxane	< 1.57	ug/m3	1.57	5	10	TO-15		1/16/2024	CJR	1
EDB (1,2-Dibromoethane)	< 3.42	ug/m3	3.42	10.9	10	TO-15		1/16/2024	CJR	1
Ethanol	370	ug/m3	1.52	4.82	10	TO-15		1/16/2024	CJR	1
Ethyl Acetate	< 1.76	ug/m3	1.76	5.59	10	TO-15		1/16/2024	CJR	1
Ethylbenzene	6.1 "J"	ug/m3	2.03	6.45	10	TO-15		1/16/2024	CJR	1
4-Ethyltoluene	< 2.14	ug/m3	2.14	6.81	10	TO-15		1/16/2024	CJR	1
Heptane	11.9	ug/m3	2.65	8.45	10	TO-15		1/16/2024	CJR	1
Hexachlorobutadiene	< 4.89	ug/m3	4.89	15.6	10	TO-15		1/16/2024	CJR	1
Hexane	< 150	ug/m3	2.35	7.48	10	TO-15		1/16/2024	CJR	1
2-Hexanone	< 2.22	ug/m3	2.22	7.07	10	TO-15		1/16/2024	CJR	1
Isopropyl Alcohol	99	ug/m3	1.09	3.47	10	TO-15		1/16/2024	CJR	1
Methyl ethyl ketone (MEK)	30.7	ug/m3	1.78	5.67	10	TO-15		1/16/2024	CJR	1
Methyl isobutyl ketone (MIBK)	< 1.68	ug/m3	1.68	5.36	10	TO-15		1/16/2024	CJR	1
Methyl Methacrylate	< 2.17	ug/m3	2.17	6.9	10	TO-15		1/16/2024	CJR	1
Methylene chloride	480	ug/m3	1.59	5.06	10	TO-15		1/16/2024	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.6	ug/m3	1.6	5.09	10	TO-15		1/16/2024	CJR	1
Naphthalene	< 6.75	ug/m3	6.75	21.5	10	TO-15		1/16/2024	CJR	1
Propene	< 0.79	ug/m3	0.79	2.51	10	TO-15		1/16/2024	CJR	1
Styrene	< 1.81	ug/m3	1.81	5.77	10	TO-15		1/16/2024	CJR	1
1,1,2,2-Tetrachloroethane	< 3.25	ug/m3	3.25	10.3	10	TO-15		1/16/2024	CJR	1
Tetrachloroethene	14900	ug/m3	55.6	176.8	200	TO-15		1/17/2024	CJR	1
Tetrahydrofuran	< 1.31	ug/m3	1.31	4.17	10	TO-15		1/16/2024	CJR	1

Project Name HARBORVIEW CLEANERS
Project # 6348

Invoice # E43442

Lab Code 5043442B
Sample ID 6348-134-SS-2
Sample Matrix Air
Sample Date 1/8/2024

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Toluene	23.7	ug/m3	1.84	5.85	10	TO-15	1/16/2024	1/16/2024	CJR	1
1,2,4-Trichlorobenzene	< 6.57	ug/m3	6.57	20.9	10	TO-15	1/16/2024	1/16/2024	CJR	1
1,1,1-Trichloroethane	5.4 "J"	ug/m3	2.49	7.93	10	TO-15	1/16/2024	1/16/2024	CJR	1
1,1,2-Trichloroethane	< 2.58	ug/m3	2.58	8.22	10	TO-15	1/16/2024	1/16/2024	CJR	1
Trichloroethene (TCE)	26.2	ug/m3	2.37	7.54	10	TO-15	1/16/2024	1/16/2024	CJR	1
Trichlorofluoromethane	< 3.37	ug/m3	3.37	10.7	10	TO-15	1/16/2024	1/16/2024	CJR	1
Trichlorotrifluoroethane	< 4.02	ug/m3	4.02	12.8	10	TO-15	1/16/2024	1/16/2024	CJR	1
1,2,4-Trimethylbenzene	< 2.83	ug/m3	2.83	8.99	10	TO-15	1/16/2024	1/16/2024	CJR	1
1,3,5-Trimethylbenzene	< 2.32	ug/m3	2.32	7.39	10	TO-15	1/16/2024	1/16/2024	CJR	1
Vinyl acetate	< 2.03	ug/m3	2.03	6.45	10	TO-15	1/16/2024	1/16/2024	CJR	1
Vinyl Chloride	< 1.48	ug/m3	1.48	4.72	10	TO-15	1/16/2024	1/16/2024	CJR	1
m&p-Xylene	10 "J"	ug/m3	3.77	12	10	TO-15	1/16/2024	1/16/2024	CJR	1
o-Xylene	4.3 "J"	ug/m3	2.18	6.95	10	TO-15	1/16/2024	1/16/2024	CJR	1