

From: Hodgson, Scott A. <Scott.Hodgson@terracon.com>
Sent: Thursday, February 2, 2023 12:04 PM
To: Schultz, Josie M - DNR
Subject: Smoke-Out Cleaners Vapor and Groundwater Results
Attachments: Pace.GW Report.Jan2023.pdf; Pace.Air Report.Jan2023.pdf; Smoke Out.groundwater.020223.pdf; Smoke Out.Subslab.020223.pdf; Smoke Out.Indoor Air.020223.pdf; Add VI map.final.pdf

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Josie,

The SSDS was shut down on December 27, 2022, and Terracon performed the first vapor sampling event combined with sampling the entire groundwater monitoring well network on January 11-12, 2023. The laboratory reports for vapor and for groundwater are attached. The groundwater results continued to look good. The sub-slab and indoor air samples also looked very good and support keeping the SSDS shut off. However, very high PCE and related vapor concentrations were detected behind the trap in the floor drain. The floor drain was completely plugged during inspection in 2022. A plumber cleared the drain sometime prior to sampling and at the time of arrival on January 11, 2023, Terracon observed that the drain was cleared and the liquid-filled trap was functioning properly. Terracon sampled behind the trap in accordance with our work plan. After sampling, liquid was returned to the trap. The results indicated 7,320,000 ug/m3 PCE. The results suggest that there was liquid PCE in the drain at some point (perhaps in the trap) or a wad of PCE-saturated lint lies in the piping. Sub-slab vapor, Indoor Air, and Groundwater results tables are attached along with a map showing sample locations. Our next steps will be to video the floor drain piping to verify integrity and where it leads. The site maintenance person believes the floor drain piping is connected to the sanitary lateral which leads to the holding tank. Terracon will also video the sanitary lateral to verify its integrity and that it leads to the holding tank. Terracon will then resample the floor drain and sanitary lateral as well as the headspace in the holding tank. Based on those results Terracon may propose additional sampling or other work.

Please let me know if you have any questions.

Scott A. Hodgson, P.G.
Senior Project Manager | Environmental Services



4900 South Pennsylvania Avenue, Suite 100 | Cudahy, Wisconsin 53110 **New Address!**
D (414) 209-7640 | M (920) 791-9206
Scott.Hodgson@terracon.com | Terracon.com



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VP-3	PCE	TCE	CIS	TRANS	DCE	VC
3/30/2016	2,010	<0.41	<0.37	<0.57	<0.35	<0.29
6/3/2016	2,870	3.2	1.8	<0.55	<0.34	<0.28
9/29/2016	5,960	75	55.2	<11.4	<7.1	<5.8
3/15/2017	<0.40	0.44	<0.35	<0.55	<0.34	<0.28
10/25/2017	3,050	<20.8	<26.4	<22.9	<18.4	<9.8

VP-8	PCE	TCE	CIS	TRANS	DCE	VC
6/3/2016	13,600	156	<0.40	<0.62	<0.38	<0.31
9/29/2016	19,200	7.1	<0.35	<0.55	<0.34	<0.28
3/15/2017	5,360	<7.9	<7.1	<11.1	<6.9	<5.6
10/25/2017	11,200	<20.0	<25.4	<22.0	<17.7	<9.4

VP-1	PCE	TCE	CIS	TRANS	DCE	VC
6/1/2011	12,000,000	24,000	6,000	<59,000	<59,000	<38,000

VP-2	PCE	TCE	CIS	TRANS	DCE	VC
6/1/2011	3,100,000	6,000	<16,000	<16,000	<16,000	<10,000

VP-4	PCE	TCE	CIS	TRANS	DCE	VC
3/30/2016	889,000	5,820	6,080	<95.2	<59.0	<48.4
6/3/2016	1,050,000	13,200	12,000	28.9	<0.34	<0.28
9/29/2016	1,280,000	36,400	36,200	67.6	1.2	12.4
3/15/2017	604,000	13,200	12,600	54.8	<6.6	<5.4
10/25/2017	564,000	6,010	4,870	<21.2	<17.1	<9.1

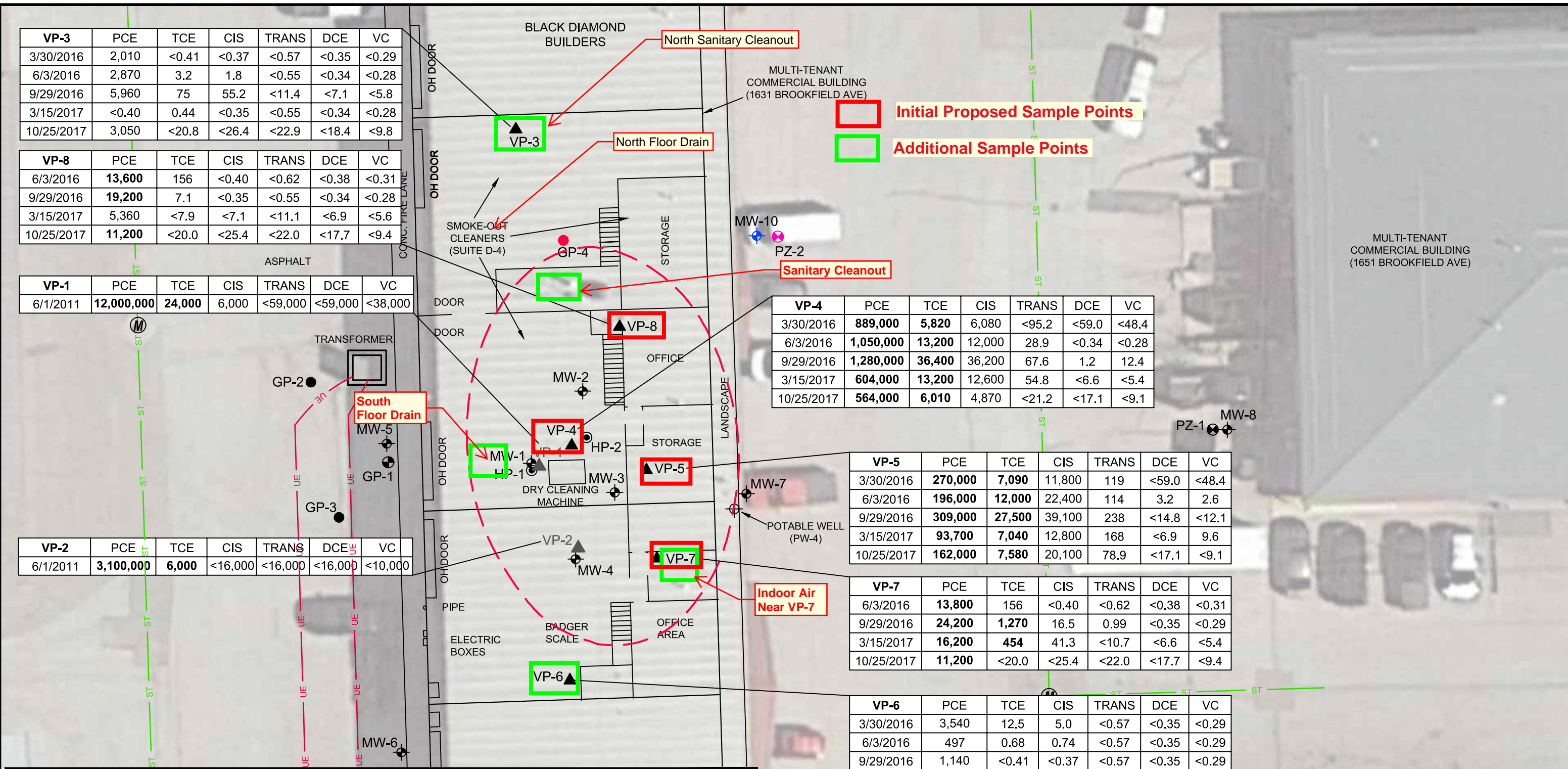
VP-5	PCE	TCE	CIS	TRANS	DCE	VC
3/30/2016	270,000	7,090	11,800	119	<59.0	<48.4
6/3/2016	196,000	12,000	22,400	114	3.2	2.6
9/29/2016	309,000	27,500	39,100	238	<14.8	<12.1
3/15/2017	93,700	7,040	12,800	168	<6.9	9.6
10/25/2017	162,000	7,580	20,100	78.9	<17.1	<9.1

VP-7	PCE	TCE	CIS	TRANS	DCE	VC
6/3/2016	13,800	156	<0.40	<0.62	<0.38	<0.31
9/29/2016	24,200	1,270	16.5	0.99	<0.35	<0.29
3/15/2017	16,200	454	41.3	<10.7	<6.6	<5.4
10/25/2017	11,200	<20.0	<25.4	<22.0	<17.7	<9.4

VP-6	PCE	TCE	CIS	TRANS	DCE	VC
3/30/2016	3,540	12.5	5.0	<0.57	<0.35	<0.29
6/3/2016	497	0.68	0.74	<0.57	<0.35	<0.29
9/29/2016	1,140	<0.41	<0.37	<0.57	<0.35	<0.29
3/15/2017	2,670	<8.2	<7.3	<11.4	<7.1	<5.8
10/25/2017	2,600	<20.8	<26.4	<22.9	<18.4	<9.8

LEGEND	
TERRACON SAMPLE LOCATIONS	GILES ENGINEERING SAMPLE LOCATIONS
<ul style="list-style-type: none"> Observation Well Piezometer Direct-Push Soil Boring 	<ul style="list-style-type: none"> Observation Well Piezometer Hand Probe Soil Boring Direct-Push Soil Boring/Temporary Well Direct-Push Soil Boring
<ul style="list-style-type: none"> Soil Vapor Point Former Soil Vapor Point Potable Well Manhole 	<ul style="list-style-type: none"> Underground Electric Line Storm Sewer Line

CONCENTRATION LEGEND	
CONCENTRATIONS EXPRESSED IN MICROGRAMS PER CUBIC METER (ug/m³)	
<ul style="list-style-type: none"> VRSL = VAPOR RISK SCREENING LEVEL PCE = TETRACHLOROETHENE TCE = TRICHLOROETHENE CIS = cis-1,2 DICHLOROETHENE TRANS = trans-1,2 DICHLOROETHENE DCE = 1,1 DICHLOROETHENE VC = VINYL CHLORIDE 	<ul style="list-style-type: none"> APPROXIMATE EXTENT OF LARGE COMMERCIAL/INDUSTRIAL BUILDINGS SUB-SLAB VRSL EXCEEDANCE (OCTOBER 2017) BOLD = VALUE EXCEEDS LARGE COMMERCIAL/INDUSTRIAL BUILDING VRSL



NOTE:
 1) BUILDING LAYOUT AND SAMPLE LOCATIONS ARE APPROXIMATE AND WHERE REFERENCED BY GILES ENGINEERING AND PROVIDED BY CLIENT
 2) AERIAL BACKGROUND SOURCE: GOOGLE EARTH PRO; DATED: 5/17/18
 3) DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

20 0 20
 APPROXIMATE SCALE: 1" = 20'

Project Mgr: SAH	Project No. 58187103	<p>Consulting Engineers and Scientists</p> <p>9856 SOUTH 57th STREET FRANKLIN, WI 53132 PH. (414) 423-0255 FAX. (414) 423-0566</p>	VAPOR SAMPLING POINTS SMOKE-OUT CLEANERS 1631 BROOKFIELD AVENUE, UNIT D-4 HOWARD, WISCONSIN	FIGURE 3 (FIG 6QM)
Drawn By: JLM (41)	Scale: AS SHOWN			
Checked By: TPW	File No. 58187103C1			
Approved By: SAH	Date: 10/2019			

TABLE 2
Groundwater Analytic Test Results Summary-VOCs

Smoke-Out Cleaners
Howard, Wisconsin
Terracon Project No. 58187103

Sample ID	Sample Date	Volatile Organic Compounds (VOCs - µg/L)											
		Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene (cis-DCE)	trans-1,2-Dichloroethene (trans-DCE)	Vinyl chloride (VC)	1,1-Dichloroethene (DCE)	Chloroform	Chloromethane	1,2,4-Trimethylbenzene	Toluene	Total Xylene	
NR 140 WAC, PAL ¹		0.5	0.5	7	20	0.02	0.7	0.6	3	96	160	400	
NR 140 WAC, ES ²		5	5	70	100	0.2	7	6	30	480	800	2,000	
GP-1	08/07/08	<0.50	<0.20	<0.50	<0.50	<0.20	<0.50	<0.20	0.80	<0.20	<0.50	<0.50	
MW-1	06/02/11	270	22.0	220	5.0	4.9	<0.50	<0.20	<0.30	<0.20	<0.5	<0.50	
	03/31/16	3.9	5.4	89.0	2.2	17.0	<0.24	<2.5	<0.50	<0.50	<0.50	<1.5	
	06/02/16	8.3	7.0	79.2	2.1	12.7	<0.41	<2.5	5.3	<0.50	<0.50	<1.5	
	09/28/16	5.3	5.3	40.6	<0.26	4.5	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5	
	03/15/17	12.4	5.0	96.7	2.2	17.7	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5	
	03/27/19	16.9	6.2	67.9	1.7	11.0	<0.24	<1.3	<2.2	<0.84	<0.17	<0.73	
	06/09/20	2.3	3.7	60.8	2.1	19.8	0.27	<1.3	<2.2	<0.84	<0.27	<0.73	
	07/14/20	3.5	0.29 J	1.5	<0.46	39.7	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73	
	09/17/20	1.5	<0.26	1.2	<0.46	15.4	<0.24	<1.3	<2.2	<0.84	0.50	<0.73	
	12/29/20	0.88	<0.26	2.3	<0.46	3.5	<0.24	<1.3	<2.2	<0.84	0.53	<0.73	
	03/31/21	0.71	<0.51	0.84	<0.93	1.4	<0.24	<1.3	<2.2	<0.84	0.85	<0.73	
	06/30/21	<0.41	<0.32	1.5	<0.53	2.4	<0.58	<1.2	<1.6	1.7	2.0	<1.05	
	BD1	09/28/21	<0.41	<0.32	1.5	<0.53	1.2	<0.58	<1.2	<1.6	<0.95	6.7	<1.05
01/12/23		<0.41	<0.32	1.2	<0.53	0.54 J	<0.58	<1.2	<1.6	<0.45	4.5	<1.05	
MW-2	06/02/11	4.8	0.23	1.8	<0.50	<0.20	<0.50	<0.20	<0.30	<0.20	<0.50	1.5	
	03/31/16	<0.50	0.49	4.8	<0.26	<0.18	<0.24	<2.5	<0.50	<0.50	<0.50	<1.5	
	06/02/16	0.67	<0.33	2.5	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5	
	09/29/16	<0.50	<0.33	1.6	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5	
	03/15/17	1.3	0.35	3.7	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5	
	03/27/19	3.7	1.1	3.5	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	<0.17	<0.73	
	06/09/20	0.72	0.40	1.6	<0.46	<0.17	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73	
	07/14/20	<0.33	<0.26	1.4	<0.46	1.2	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73	
	09/17/20	<0.33	<0.26	1.3	<0.46	0.76	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73	
	12/29/20	<0.33	0.26	1.4	<0.46	0.51	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73	
BD2	12/29/20	<0.33	<0.26	1.2	<0.46	0.40	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73	
	01/12/23	<0.41	0.97 J	3.5	<0.53	<0.17	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05	
MW-3	06/02/11	14,000	120	140	3.5	1.0	<0.50	0.29	<0.30	0.52	0.94	1.7	
	03/31/16	2.0	3.2	286	7.4	4.8	<0.24	<2.5	<0.50	<0.50	<0.50	<1.5	
	06/02/16	50.3	37.9	405	9.4	6.7	<2.1	<12.5	11.3	<2.5	<2.5	<7.5	
	09/28/16	5.5	5.9	336	<1.0	7.0	<1.6	<10.0	<2.0	<2.0	<2.0	<6.0	
	03/15/17	3.9	6.3	556	14.7	11.4	<1.6	<10.0	<2.0	<2.0	<2.0	<6.0	
	03/27/19	13.8	5.2	188	3.7	45.5	<0.61	<3.2	<5.5	<2.1	<0.43	<1.85	
	06/09/20	1.4	7.3	141	3.8	91.6	<0.61	<3.2	6.4	<2.1	<0.67	<1.85	
	BD1	07/14/20	13.1	14.0	427	8.6	118	0.59 J	<1.3	<2.2	<0.84	<0.27	<0.73
		07/14/20	16.0	18.1	340	9.1	103	<0.61	<3.2	<5.5	<2.1	<0.67	<1.85
	09/17/20	<0.82	<0.64	117	4.7	62	<0.68	<3.2	<5.5	<2.1	<0.67	<1.85	
	12/29/20	<0.82	<0.64	25.7	2.6	16.4	<0.68	<3.2	<2.2	<2.1	<0.27	<1.85	
	BD1	03/31/21	<0.33	0.76	59.9	2.0	27.2	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73
		03/31/21	<0.33	0.54	66.4	2.3	30.6	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73
	BD1	06/30/21	<0.41	1.3	41.2	1.7	20.8	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05
		06/30/21	<0.41	1.1	38.2	1.6	18.0	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05
	BD1	09/28/21	<0.41	<0.32	<0.47	1.3	0.55	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05
		01/12/23	<0.41	<0.32	2.8	<0.53	2.3	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05
	BD1	01/12/23	<0.41	<0.32	3.5	0.66 J	2.5	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05
	MW-4	06/02/11	25.0	23.0	16.0	0.60	0.30	0.65	<0.20	<0.30	<0.20	<0.50	<0.50
03/31/16		9.8	18.7	83.2	3.5	1.4	0.98	<2.65	<0.50	<0.50	<0.50	<1.5	
06/03/16		11.6	24.1	65.3	3.0	1.0	1.1	<2.5	12.7	<0.50	<0.50	<1.5	
09/29/16		9.1	19.2	49.8	<0.26	1.0	0.84	<2.5	<0.50	<0.50	<0.50	<1.5	
03/15/17		19.3	17.4	82.5	2.1	0.78	0.91	<2.5	<0.50	<0.50	<0.50	<1.5	
03/28/19		21.2	10.1	88.9	1.1	<0.17	0.41	<1.3	<2.2	<0.84	<0.17	<0.73	
06/09/20		5.1	5.5	69.9	1.7	<0.17	0.49	<1.3	<2.2	<0.84	<0.27	<0.73	
BD1		06/09/20	4.6	5.2	64.9	1.5	<0.17	0.59	<1.3	<2.2	<0.84	<0.27	<0.73
		07/14/20	<0.33	<0.26	12.3	0.96 J	17.2	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73
BD1		09/17/20	<0.33	<0.26	3.3	<0.46	2.4	<0.24	<1.3	<2.2	<0.84	0.73	0.57
		09/17/20	<0.33	<0.26	3.7	<0.46	2.6	<0.24	<1.3	<2.2	<0.84	0.31	0.47
		12/29/20	<0.33	<0.26	0.83	<0.46	<0.17	<0.24	<1.3	<2.2	<0.84	1.6	1.27
		03/31/21	<0.33	<0.26	0.85	<0.46	0.71	<0.24	<1.3	<2.2	<0.84	0.79	0.57

TABLE 2
Groundwater Analytic Test Results Summary-VOCs

Smoke-Out Cleaners
Howard, Wisconsin
Terracon Project No. 58187103

Sample ID	Sample Date	Volatile Organic Compounds (VOCs - µg/L)										
		Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene (cis-DCE)	trans-1,2-Dichloroethene (trans-DCE)	Vinyl chloride (VC)	1,1-Dichloroethene (DCE)	Chloroform	Chloromethane	1,2,4-Trimethylbenzene	Toluene	Total Xylene
NR 140 WAC, PAL ¹		0.5	0.5	7	20	0.02	0.7	0.6	3	96	160	400
NR 140 WAC, ES ²		5	5	70	100	0.2	7	6	30	480	800	2,000
MW-4 (cont) BD2	06/30/21	<0.41	<0.32	0.66	<0.53	<0.17	<0.58	<1.6	<1.6	1.7	0.69	<1.05
	09/28/21	<0.41	<0.32	<0.47	<0.53	<0.17	<0.58	<1.2	<1.6	<0.45	3.3	<1.05
	01/12/23	<0.41	<0.32	<0.47	<0.53	<0.17	<0.58	<1.2	<1.6	<0.45	10.3	<1.05
	01/12/23	<0.41	<0.32	<0.47	<0.53	<0.17	<0.58	<1.2	<1.6	<0.45	8.6	<1.05
MW-5	03/31/16	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5
	06/02/16	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	3.2	<0.50	<0.50	<1.5
	09/28/16	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5
	03/14/17	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5
	03/28/19	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	0.71	<0.73
	12/28/20	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	0.71	<0.73
	01/12/23	<0.41	<0.32	<0.47	<0.53	<0.17	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05
MW-6	03/31/16	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5
	06/02/16	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	3.8	<0.50	<0.50	<1.5
	09/28/16	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5
	03/14/17	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5
	03/28/19	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	0.74	<0.73
	12/28/20	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73
	01/12/23	<0.41	<0.32	<0.47	<0.53	<0.17	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05
MW-7 BD-2	03/31/16	24.2	2.8	0.94	<0.26	<0.18	<0.24	<2.5	<0.50	<0.50	<0.50	<1.5
	06/03/16	9.8	1.1	0.51	<0.26	<0.18	<0.41	<2.5	4.7	<0.50	<0.50	<1.5
	09/28/16	117	14.3	13.8	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5
	03/14/17	0.85	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5
	03/28/19	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	<0.17	<0.73
	03/28/19	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	<0.17	<0.73
	12/28/20	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73
	01/11/23	<0.41	<0.32	<0.47	<0.53	<0.17	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05
MW-8	06/03/16	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5
	09/28/16	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5
	03/14/17	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5
	03/28/19	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	0.74	<0.73
	12/29/20	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73
	01/11/23	<0.41	<0.32	<0.47	<0.53	<0.17	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05
MW-9	06/03/16	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	8.1	<0.50	<0.50	<1.5
	09/28/16	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	<5.0	<0.50	<0.50	<1.5
	03/14/17	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5
	03/28/19	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	0.79	<0.73
	12/29/20	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73
	01/11/23	<0.41	<0.32	<0.47	<0.53	<0.17	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05
MW-10	03/28/19	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	<0.17	<0.73
	12/28/20	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73
	01/11/23	<0.41	<0.32	<0.47	<0.53	<0.17	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05
PZ-1	03/15/17	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<2.5	<0.50	<0.50	<0.50	<1.5
	03/28/19	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	0.66	<0.73
	12/28/20	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73
	08/04/22	<0.41	<0.32	<0.47	<0.53	<0.17	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05
	01/11/23	<0.41	<0.32	<0.47	<0.53	<0.17	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05
PZ-2 BD-1	03/28/19	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	0.30	<0.73
	03/28/19	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	0.28	<0.73
	12/28/20	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73
	08/04/22	<0.41	<0.32	<0.47	<0.53	<0.17	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05
	01/11/23	<0.41	<0.32	<0.47	<0.53	<0.17	<0.58	<1.2	<1.6	<0.45	<0.29	<1.05
PW-1	03/15/17	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<1.3	<2.5	<0.50	<0.50	<1.5
PW-2	03/15/17	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<1.3	<2.5	<0.50	<0.50	<1.5
PW-3	03/15/17	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<1.3	<2.5	<0.50	<0.50	<1.5
PW-4	03/15/17	<0.50	<0.33	<0.26	<0.26	<0.18	<0.41	<1.3	<2.5	<0.50	<0.50	<1.5
	12/29/20	<0.33	<0.26	<0.27	<1.1	<0.17	<0.24	<1.3	<2.2	<0.84	<0.27	<0.73

TABLE 2
Groundwater Analytic Test Results Summary-VOCs

Smoke-Out Cleaners
Howard, Wisconsin
Terracon Project No. 58187103

Sample ID	Sample Date	Volatile Organic Compounds (VOCs - µg/L)										
		Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene (cis-DCE)	trans-1,2-Dichloroethene (trans-DCE)	Vinyl chloride (VC)	1,1-Dichloroethene (DCE)	Chloroform	Chloromethane	1,2,4-Trimethylbenzene	Toluene	Total Xylene
NR 140 WAC, PAL ¹		0.5	0.5	7	20	0.02	0.7	0.6	3	96	160	400
NR 140 WAC, ES ²		5	5	70	100	0.2	7	6	30	480	800	2,000

Notes:

¹NR 140, Wisconsin Administrative Code, (WAC) Preventive Action Limit (PAL)

²NR 140, WAC, Enforcement Standard (ES)

Results expressed in micrograms per liter (µg/L)

BD = Blind Duplicate

Only compounds detected by the laboratory are included on the table.

Samples from 2008 through 2017 were collected by Giles Engineering, Inc. Samples from March 2019 onward were collected by Terracon

Chloroethene (6.8 µg/L in MW-3), Benzene (0.57 µg/L in MW-1 and 0.80 µg/L in MW-4), and Ethylbenzene (0.35 µg/L in MW-1 and 0.36 µg/L in MW-4) were first detected in the September 17, 2020, sampling event; Benzene has been detected at concentrations just above its PAL in MW-4 during each round since September 2020.

Dichlorodifluoromethane was first detected in the December 2020 sampling event at concentrations of 7.9 µg/L or less in MW-1, MW-2, and MW-3.

XX.XX Exceeds NR 140 PAL

XX.XX Exceeds NR 140 ES

<X.XX Analyte not detected above its laboratory limit of detection

TABLE 4
Vapor Analytical Test Results Summary: Indoor Air

Smoke-Out Cleaners
Howard, Wisconsin
Terracon Project No. 58187103

Vapor Sampling Point	Location	Sample Type	Sample Date	Chlorinated Volatile Organic Compounds (CVOCs - µg/m ³)					
				Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene (cis-DCE)	trans-1,2-Dichloroethene (trans-DCE)	1,1-Dichloroethene (DCE)	Vinyl Chloride (VC)
IA - 1	Smoke-Out Office	Small Commercial Ambient Air 8-hour	10/25/17	3,990	1.1	<0.49	<0.42	<0.34	<0.18
IA - 2	Badger Scale Office	Small Commercial Ambient Air 8-hour	10/25/17	21.8	<0.39	<0.49	<0.42	<0.34	<0.18
IA - 2	Badger Scale Office	Small Commercial Ambient Air 8-hour	01/11/23	2.3	<0.36	<0.32	<0.62	NA	<0.14
South Floor Drain	Smoke-Out Office	Small Commercial Ambient Air 8-hour	01/11/23	7,320,000	58,400	7,460 J	<4,750	NA	4,790
Sewer Clean Out	Smoke-Out Office	Small Commercial Ambient Air 8-hour	01/11/23	261	18.4	575	13.9	NA	44.2
Residential Indoor Air Vapor Action Limit ¹ (µg/m ³)				<u>42</u>	<u>2.1</u>	<u>42</u>	<u>42</u>	<u>210</u>	<u>1.7</u>
Small Commercial Building Indoor Air Vapor Action Limit ¹ (µg/m ³)				<i>180</i>	<i>8.8</i>	<i>180</i>	<i>180</i>	<i>880</i>	<i>28</i>
Large Commercial/Industrial Building Indoor Air Vapor Action Limit ¹ (µg/m ³)				180	8.8	180	180	880	28

Notes:

Results expressed in micrograms per cubic meter (ug/m³)

VAL = Vapor Action Limit

< = Not detected at or above the limit of detection (LOD)

Underline values indicate exceedance of applicable residential VALs (indoor)

Italic values indicate exceedance of applicable small commercial VALs (indoor)

Bold values indicate exceedance of applicable Large commercial building VALs (indoor)

NA = Not Analyzed

¹ VAL given as the lesser of 1:100,000 lifetime cancer risk or noncancer hazard index of 1 value in generic U.S EPA Tables at the web address:

http://www.epa.gov/re3hwmd/risk/human/rb-concentratio_table/Generic_Tables/index.htm and modified for Wisconsin Vapor Intrusion Guidance PUB-RR-800 lifetime cancer risk (1:100,000) (Dec 2022)

TABLE 3
Vapor Analytical Test Results Summary: Sub-Slab

Smoke-Out Cleaners
Howard, Wisconsin
Terracon Project No. 58187103

Vapor Sampling Point	Location	Sample Type	Sample Date	Chlorinated Volatile Organic Compounds (CVOCs - µg/m ³)					
				Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene (cis-DCE)	trans-1,2-Dichloroethene (trans-DCE)	1,1-Dichloroethene (DCE)	Vinyl Chloride (VC)
VP-1	Smoke-Out South Garage	Small Commercial Sub-slab-30 minute	06/01/11	12,000,000	24,000	6,000	<59,000	<59,000	<38,000
VP-2	Badger Scale Garage	Small Commercial Sub-slab-30 minute	06/01/11	3,100,000	6,000	<16,000	<16,000	<16,000	<10,000
VP-3	Smoke-Out North Garage	Small Commercial Sub-slab-30 minute	03/30/16	2,010	<0.41	<0.37	<0.57	<0.35	<0.29
			06/03/16	2,870	3.2	1.8	<0.55	<0.34	<0.28
			09/29/16	5,960	75	55.2	<11.4	<7.1	<5.8
			03/15/17	<0.40	0.44	<0.35	<0.55	<0.34	<0.28
			10/25/17	3,050	<20.8	<26.4	<22.9	<18.4	<9.8
01/11/23	336	<0.44	<0.39	<0.76	NA	<0.18			
VP-4	Smoke-Out South Garage	Small Commercial Sub-slab-30 minute	03/30/16	889,000	5,820	6,080	<95.2	<59.0	<48.4
			06/03/16	1,050,000	13,200	12,000	28.9	<0.34	<0.28
			09/29/16	1,280,000	36,400	36,200	67.6	1.2	12.4
			03/15/17	604,000	13,200	12,600	54.8	<6.6	<5.4
			10/25/17	564,000	6,010	4,870	<21.2	<17.1	<9.1
01/11/23	654	7.9	0.85 J	<0.80	NA	0.48 J			
VP-5	Smoke-Out Storage Area	Small Commercial Sub-slab-30 minute	03/30/16	270,000	7,090	11,800	119	<59.0	<48.4
			06/03/16	196,000	12,000	22,400	114	3.2	2.6
			09/29/16	309,000	27,500	39,100	238	<14.8	<12.1
			03/15/17	93,700	7,040	12,800	168	<6.9	9.6
			10/25/17	162,000	7,580	20,100	78.9	<17.1	<9.1
01/11/23	47.8	<0.40	<0.36	<0.70	NA	<0.16			
VP-6	Badger Scale Garage	Small Commercial Sub-slab-30 minute	03/30/16	3,540	12.5	5.0	<0.57	<0.35	<0.29
			06/03/16	497	0.68	0.74	<0.57	<0.35	<0.29
			09/29/16	1,140	<0.41	<0.37	<0.57	<0.35	<0.29
			03/15/17	2,670	<8.2	<7.3	<11.4	<7.1	<5.8
			10/25/17	2,600	<20.8	<26.4	<22.9	<18.4	<9.8
01/11/23	15.8	<0.46	<0.41	<0.80	NA	<0.18			
VP-7	Badger Scale Office/Storage Area	Small Commercial Sub-slab-30 minute	06/03/16	13,800	156	<0.40	<0.62	<0.38	<0.31
			09/29/16	24,200	1,270	16.5	0.99	<0.35	<0.29
			03/15/17	16,200	454	41.3	<10.7	<6.6	<5.4
			10/25/17	11,200	<20.0	<25.4	<22.0	<17.7	<9.4
01/11/23	74.9	9.7	0.53 J	<0.73	NA	<0.17			
VP-8	Smoke-Out Office	Small Commercial Sub-slab-30 minute	06/03/16	13,600	2.1	<0.38	<0.60	<0.37	<0.30
			09/29/16	19,200	7.1	<0.35	<0.55	<0.34	<0.28
			03/15/17	5,360	<7.9	<7.1	<11.1	<6.9	<5.6
			10/25/17	11,200	<20.0	<25.4	<22.0	<17.7	<9.4
01/11/23	149	14.7	7.2	<0.73	NA	<0.17			
Residential Indoor Air VAL ¹ (µg/m ³)				<u>42</u>	<u>2.1</u>	<u>42</u>	<u>42</u>	<u>210</u>	<u>1.7</u>
Residential Sub-slab Vapor/Soil Gas VRSL ² (µg/m ³)				1,400	70	1,400	1,400	7,000	57
Small Commercial Building Indoor Air VAL ¹ (µg/m ³)				180	8.8	180	180	880	28
Small Commercial Building Sub-slab Vapor/Soil Gas VRSL ² (µg/m ³)				6,000	290	5,800	5,800	29,000	930
Large Commercial/Industrial Building Indoor Air VAL ¹ (µg/m ³)				180	8.8	180	180	880	28
Large Commercial/Industrial Building Sub-slab Vapor/Soil Gas VRSL ³ (µg/m ³)				18,000	880	18,000	18,000	88,000	2,800

Notes:

Results expressed in micrograms per cubic meter (µg/m³)
 VAL = Vapor Action Limit
 VRSL = Vapor Risk Screening Level
 CVOCs = Chlorinated Volatile Organic Compounds
 < = Not detected at or above the limit of detection (LOD)
 NA = Not analyzed

¹ VALs are shown for information only and do not apply to sub-slab results. VAL given as the lesser of 1:100,000 lifetime cancer risk or noncancer hazard index of 1 value in generic U.S EPA Tables at the web address: http://www.epa.gov/re3hwmd/risk/human/rb-concentration_table/Generic_Tables/index.htm and modified for Wisconsin Vapor Intrusion Guidance PUB-RR-800 lifetime cancer risk (1:100,000) (Dec 2022)

² VRSL is the VAL adjusted for sub-slab vapor to indoor air by applying an attenuation factor of 0.03 for comparison with the analytical results.

³ VRSL is the VAL adjusted for sub-slab vapor to indoor air by applying an attenuation factor of 0.01 for comparison with analytical results.

Blue-Shaded values indicate exceedance of applicable residential VRSLs (sub-slab)
 Gray-Shaded values indicate exceedance of applicable small commercial VRSLs (sub-slab)
 Bold, Red-Shaded values indicate exceedance of applicable Large commercial building VRSLs (sub-slab)

January 24, 2023

Scott Hodgson
Terracon WI
9856 57th. St.
Franklin, WI 53132

RE: Project: 58187103 Smokeout Cleaners
Pace Project No.: 10639668

Dear Scott Hodgson:

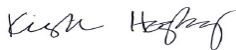
Enclosed are the analytical results for sample(s) received by the laboratory on January 12, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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 - Minneapolis

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

Sincerely,



Kirsten Hogberg
kirsten.hogberg@pacelabs.com
(612)607-1700
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 58187103 Smokeout Cleaners

Pace Project No.: 10639668

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

A2LA Certification #: 2926.01*

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009*

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014*

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605*

Georgia Certification #: 959

GMP+ Certification #: GMP050884

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086*

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064*

Maryland Certification #: 322

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137*

Minnesota Dept of Ag Approval: via MN 027-053-137

Minnesota Petrofund Registration #: 1240*

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081*

New Jersey Certification #: MN002

New York Certification #: 11647*

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification (A2LA) #: R-036

North Dakota Certification (MN) #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification (1700) #: CL101

Ohio VAP Certification (1800) #: CL110*

Oklahoma Certification #: 9507*

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001*

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192*

Utah Certification #: MN00064*

Vermont Certification #: VT-027053137

Virginia Certification #: 460163*

Washington Certification #: C486*

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

Please Note: Applicable air certifications are denoted with an asterisk ().

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SAMPLE SUMMARY

Project: 58187103 Smokeout Cleaners

Pace Project No.: 10639668

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10639668001	South Floor Drain	Air	01/11/23 12:18	01/12/23 10:55
10639668002	Sewer Clean Out	Air	01/11/23 13:35	01/12/23 10:55
10639668003	Badger Scale IA-2	Air	01/11/23 15:12	01/12/23 10:55
10639668004	VP-3	Air	01/11/23 12:46	01/12/23 10:55
10639668005	VP-4	Air	01/11/23 12:49	01/12/23 10:55
10639668006	VP-5	Air	01/11/23 12:52	01/12/23 10:55
10639668007	VP-6	Air	01/11/23 13:26	01/12/23 10:55
10639668008	VP-7	Air	01/11/23 13:26	01/12/23 10:55
10639668009	VP-8	Air	01/11/23 12:51	01/12/23 10:55

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SAMPLE ANALYTE COUNT

Project: 58187103 Smokeout Cleaners

Pace Project No.: 10639668

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10639668001	South Floor Drain	TO-15	GAS1	5	PASI-M
10639668002	Sewer Clean Out	TO-15	GAS1, MJL	5	PASI-M
10639668003	Badger Scale IA-2	TO-15	SW	5	PASI-M
10639668004	VP-3	TO-15	GAS1	5	PASI-M
10639668005	VP-4	TO-15	GAS1, MJL	5	PASI-M
10639668006	VP-5	TO-15	GAS1	5	PASI-M
10639668007	VP-6	TO-15	GAS1	5	PASI-M
10639668008	VP-7	TO-15	GAS1	5	PASI-M
10639668009	VP-8	TO-15	GAS1	5	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 58187103 Smokeout Cleaners

Pace Project No.: 10639668

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10639668001	South Floor Drain					
TO-15	cis-1,2-Dichloroethene	7460J	ug/m3	9220	01/21/23 07:29	
TO-15	Tetrachloroethene	7320000	ug/m3	7880	01/21/23 07:29	E
TO-15	Trichloroethene	58400	ug/m3	6250	01/21/23 07:29	
TO-15	Vinyl chloride	4790	ug/m3	2980	01/21/23 07:29	
10639668002	Sewer Clean Out					
TO-15	cis-1,2-Dichloroethene	575	ug/m3	12.0	01/23/23 15:05	
TO-15	trans-1,2-Dichloroethene	13.9	ug/m3	1.2	01/20/23 15:54	
TO-15	Tetrachloroethene	261	ug/m3	1.0	01/20/23 15:54	
TO-15	Trichloroethene	18.4	ug/m3	0.81	01/20/23 15:54	
TO-15	Vinyl chloride	44.2	ug/m3	0.39	01/20/23 15:54	
10639668003	Badger Scale IA-2					
TO-15	Tetrachloroethene	2.3	ug/m3	1.0	01/19/23 04:39	
10639668004	VP-3					
TO-15	Tetrachloroethene	336	ug/m3	1.3	01/20/23 17:24	
10639668005	VP-4					
TO-15	cis-1,2-Dichloroethene	0.85J	ug/m3	1.5	01/20/23 14:23	
TO-15	Tetrachloroethene	654	ug/m3	6.6	01/23/23 13:43	
TO-15	Trichloroethene	7.9	ug/m3	1.0	01/20/23 14:23	
TO-15	Vinyl chloride	0.48J	ug/m3	0.50	01/20/23 14:23	
10639668006	VP-5					
TO-15	Tetrachloroethene	47.8	ug/m3	1.2	01/20/23 18:09	
10639668007	VP-6					
TO-15	Tetrachloroethene	15.8	ug/m3	1.3	01/20/23 18:54	
10639668008	VP-7					
TO-15	cis-1,2-Dichloroethene	0.53J	ug/m3	1.4	01/20/23 19:39	
TO-15	Tetrachloroethene	74.9	ug/m3	1.2	01/20/23 19:39	
TO-15	Trichloroethene	9.7	ug/m3	0.96	01/20/23 19:39	
10639668009	VP-8					
TO-15	cis-1,2-Dichloroethene	7.2	ug/m3	1.4	01/20/23 20:24	
TO-15	Tetrachloroethene	149	ug/m3	1.2	01/20/23 20:24	
TO-15	Trichloroethene	14.7	ug/m3	0.96	01/20/23 20:24	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58187103 Smokeout Cleaners

Pace Project No.: 10639668

Sample: South Floor Drain									
		Lab ID: 10639668001	Collected: 01/11/23 12:18	Received: 01/12/23 10:55	Matrix: Air				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
cis-1,2-Dichloroethene	7460J	ug/m3	9220	2450	11440		01/21/23 07:29	156-59-2	
trans-1,2-Dichloroethene	<4750	ug/m3	9220	4750	11440		01/21/23 07:29	156-60-5	
Tetrachloroethene	7320000	ug/m3	7880	2840	11440		01/21/23 07:29	127-18-4	E
Trichloroethene	58400	ug/m3	6250	2730	11440		01/21/23 07:29	79-01-6	
Vinyl chloride	4790	ug/m3	2980	1100	11440		01/21/23 07:29	75-01-4	

Sample: Sewer Clean Out									
		Lab ID: 10639668002	Collected: 01/11/23 13:35	Received: 01/12/23 10:55	Matrix: Air				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
cis-1,2-Dichloroethene	575	ug/m3	12.0	3.2	14.9		01/23/23 15:05	156-59-2	
trans-1,2-Dichloroethene	13.9	ug/m3	1.2	0.62	1.49		01/20/23 15:54	156-60-5	
Tetrachloroethene	261	ug/m3	1.0	0.37	1.49		01/20/23 15:54	127-18-4	
Trichloroethene	18.4	ug/m3	0.81	0.36	1.49		01/20/23 15:54	79-01-6	
Vinyl chloride	44.2	ug/m3	0.39	0.14	1.49		01/20/23 15:54	75-01-4	

Sample: Badger Scale IA-2									
		Lab ID: 10639668003	Collected: 01/11/23 15:12	Received: 01/12/23 10:55	Matrix: Air				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
cis-1,2-Dichloroethene	<0.32	ug/m3	1.2	0.32	1.49		01/19/23 04:39	156-59-2	
trans-1,2-Dichloroethene	<0.62	ug/m3	1.2	0.62	1.49		01/19/23 04:39	156-60-5	
Tetrachloroethene	2.3	ug/m3	1.0	0.37	1.49		01/19/23 04:39	127-18-4	
Trichloroethene	<0.36	ug/m3	0.81	0.36	1.49		01/19/23 04:39	79-01-6	
Vinyl chloride	<0.14	ug/m3	0.39	0.14	1.49		01/19/23 04:39	75-01-4	

Sample: VP-3									
		Lab ID: 10639668004	Collected: 01/11/23 12:46	Received: 01/12/23 10:55	Matrix: Air				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
cis-1,2-Dichloroethene	<0.39	ug/m3	1.5	0.39	1.83		01/20/23 17:24	156-59-2	
trans-1,2-Dichloroethene	<0.76	ug/m3	1.5	0.76	1.83		01/20/23 17:24	156-60-5	
Tetrachloroethene	336	ug/m3	1.3	0.45	1.83		01/20/23 17:24	127-18-4	
Trichloroethene	<0.44	ug/m3	1.0	0.44	1.83		01/20/23 17:24	79-01-6	

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ANALYTICAL RESULTS

Project: 58187103 Smokeout Cleaners

Pace Project No.: 10639668

Sample: VP-3 **Lab ID: 10639668004** Collected: 01/11/23 12:46 Received: 01/12/23 10:55 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
Vinyl chloride	<0.18	ug/m3	0.48	0.18	1.83		01/20/23 17:24	75-01-4	

Sample: VP-4 **Lab ID: 10639668005** Collected: 01/11/23 12:49 Received: 01/12/23 10:55 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
cis-1,2-Dichloroethene	0.85J	ug/m3	1.5	0.41	1.92		01/20/23 14:23	156-59-2	
trans-1,2-Dichloroethene	<0.80	ug/m3	1.5	0.80	1.92		01/20/23 14:23	156-60-5	
Tetrachloroethene	654	ug/m3	6.6	2.4	9.6		01/23/23 13:43	127-18-4	
Trichloroethene	7.9	ug/m3	1.0	0.46	1.92		01/20/23 14:23	79-01-6	
Vinyl chloride	0.48J	ug/m3	0.50	0.18	1.92		01/20/23 14:23	75-01-4	

Sample: VP-5 **Lab ID: 10639668006** Collected: 01/11/23 12:52 Received: 01/12/23 10:55 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
cis-1,2-Dichloroethene	<0.36	ug/m3	1.4	0.36	1.68		01/20/23 18:09	156-59-2	
trans-1,2-Dichloroethene	<0.70	ug/m3	1.4	0.70	1.68		01/20/23 18:09	156-60-5	
Tetrachloroethene	47.8	ug/m3	1.2	0.42	1.68		01/20/23 18:09	127-18-4	
Trichloroethene	<0.40	ug/m3	0.92	0.40	1.68		01/20/23 18:09	79-01-6	
Vinyl chloride	<0.16	ug/m3	0.44	0.16	1.68		01/20/23 18:09	75-01-4	

Sample: VP-6 **Lab ID: 10639668007** Collected: 01/11/23 13:26 Received: 01/12/23 10:55 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15 Pace Analytical Services - Minneapolis									
cis-1,2-Dichloroethene	<0.41	ug/m3	1.5	0.41	1.92		01/20/23 18:54	156-59-2	
trans-1,2-Dichloroethene	<0.80	ug/m3	1.5	0.80	1.92		01/20/23 18:54	156-60-5	
Tetrachloroethene	15.8	ug/m3	1.3	0.48	1.92		01/20/23 18:54	127-18-4	
Trichloroethene	<0.46	ug/m3	1.0	0.46	1.92		01/20/23 18:54	79-01-6	
Vinyl chloride	<0.18	ug/m3	0.50	0.18	1.92		01/20/23 18:54	75-01-4	

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ANALYTICAL RESULTS

Project: 58187103 Smokeout Cleaners

Pace Project No.: 10639668

Sample: VP-7 **Lab ID: 10639668008** Collected: 01/11/23 13:26 Received: 01/12/23 10:55 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
cis-1,2-Dichloroethene	0.53J	ug/m3	1.4	0.37	1.75		01/20/23 19:39	156-59-2	
trans-1,2-Dichloroethene	<0.73	ug/m3	1.4	0.73	1.75		01/20/23 19:39	156-60-5	
Tetrachloroethene	74.9	ug/m3	1.2	0.43	1.75		01/20/23 19:39	127-18-4	
Trichloroethene	9.7	ug/m3	0.96	0.42	1.75		01/20/23 19:39	79-01-6	
Vinyl chloride	<0.17	ug/m3	0.46	0.17	1.75		01/20/23 19:39	75-01-4	

Sample: VP-8 **Lab ID: 10639668009** Collected: 01/11/23 12:51 Received: 01/12/23 10:55 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
cis-1,2-Dichloroethene	7.2	ug/m3	1.4	0.37	1.75		01/20/23 20:24	156-59-2	
trans-1,2-Dichloroethene	<0.73	ug/m3	1.4	0.73	1.75		01/20/23 20:24	156-60-5	
Tetrachloroethene	149	ug/m3	1.2	0.43	1.75		01/20/23 20:24	127-18-4	
Trichloroethene	14.7	ug/m3	0.96	0.42	1.75		01/20/23 20:24	79-01-6	
Vinyl chloride	<0.17	ug/m3	0.46	0.17	1.75		01/20/23 20:24	75-01-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58187103 Smokeout Cleaners

Pace Project No.: 10639668

QC Batch: 863345

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10639668003

METHOD BLANK: 4559745

Matrix: Air

Associated Lab Samples: 10639668003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.11	0.40	01/18/23 15:30	
Tetrachloroethene	ug/m3	<0.12	0.34	01/18/23 15:30	
trans-1,2-Dichloroethene	ug/m3	<0.21	0.40	01/18/23 15:30	
Trichloroethene	ug/m3	<0.12	0.27	01/18/23 15:30	
Vinyl chloride	ug/m3	<0.048	0.13	01/18/23 15:30	

LABORATORY CONTROL SAMPLE: 4559746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	42.1	40.6	96	70-133	
Tetrachloroethene	ug/m3	72	67.7	94	70-139	
trans-1,2-Dichloroethene	ug/m3	42.3	37.5	89	70-132	
Trichloroethene	ug/m3	57.2	53.8	94	70-132	
Vinyl chloride	ug/m3	27.2	24.4	89	64-136	

SAMPLE DUPLICATE: 4560679

Parameter	Units	10638700001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	<0.30		25	
Tetrachloroethene	ug/m3	ND	<0.34		25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.58		25	
Trichloroethene	ug/m3	ND	<0.33		25	
Vinyl chloride	ug/m3	ND	<0.13		25	

SAMPLE DUPLICATE: 4560680

Parameter	Units	10638700002 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	<0.30		25	
Tetrachloroethene	ug/m3	ND	<0.34		25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.58		25	
Trichloroethene	ug/m3	ND	<0.33		25	
Vinyl chloride	ug/m3	ND	<0.13		25	

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

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QUALITY CONTROL DATA

Project: 58187103 Smokeout Cleaners

Pace Project No.: 10639668

QC Batch:	863758	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15 MSV AIR Low Level
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10639668001, 10639668002, 10639668004, 10639668005, 10639668006, 10639668007, 10639668008, 10639668009

METHOD BLANK:	4561370	Matrix:	Air
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Associated Lab Samples: 10639668001, 10639668002, 10639668004, 10639668005, 10639668006, 10639668007, 10639668008, 10639668009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.21	0.81	01/20/23 10:33	
Tetrachloroethene	ug/m3	<0.25	0.69	01/20/23 10:33	
trans-1,2-Dichloroethene	ug/m3	<0.42	0.81	01/20/23 10:33	
Trichloroethene	ug/m3	<0.24	0.55	01/20/23 10:33	
Vinyl chloride	ug/m3	<0.096	0.26	01/20/23 10:33	

LABORATORY CONTROL SAMPLE: 4561371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	42.1	47.7	113	70-133	
Tetrachloroethene	ug/m3	72	75.7	105	70-139	
trans-1,2-Dichloroethene	ug/m3	42.3	47.8	113	70-132	
Trichloroethene	ug/m3	57.2	64.4	113	70-132	
Vinyl chloride	ug/m3	27.2	30.0	110	64-136	

SAMPLE DUPLICATE: 4562385

Parameter	Units	10639668002 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	575	582	1	25	
Tetrachloroethene	ug/m3	261	268	3	25	
trans-1,2-Dichloroethene	ug/m3	13.9	14.2	3	25	
Trichloroethene	ug/m3	18.4	18.4	0	25	
Vinyl chloride	ug/m3	44.2	42.0	5	25	

SAMPLE DUPLICATE: 4562386

Parameter	Units	10639668005 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	0.85J	0.89J		25	
Tetrachloroethene	ug/m3	654	634	3	25	
trans-1,2-Dichloroethene	ug/m3	<0.80	<0.80		25	
Trichloroethene	ug/m3	7.9	8.2	4	25	
Vinyl chloride	ug/m3	0.48J	0.48J		25	

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

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QUALIFIERS

Project: 58187103 Smokeout Cleaners

Pace Project No.: 10639668

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58187103 Smokeout Cleaners

Pace Project No.: 10639668

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10639668001	South Floor Drain	TO-15	863758		
10639668002	Sewer Clean Out	TO-15	863758		
10639668003	Badger Scale IA-2	TO-15	863345		
10639668004	VP-3	TO-15	863758		
10639668005	VP-4	TO-15	863758		
10639668006	VP-5	TO-15	863758		
10639668007	VP-6	TO-15	863758		
10639668008	VP-7	TO-15	863758		
10639668009	VP-8	TO-15	863758		

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AIR: CHAIN-OF-...
The Chain-of-Custody is a LEGAL DO

WO#: 10639668



it

53493

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Program
Company: <u>Torson</u>	Report To: <u>Scott Haggen</u>	Attention:	<input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act
Address: <u>9856 S 5th St Franklin WI</u>	Copy To:	Company Name: <u>SAHF</u>	<input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other
Email To: <u>Ryan Scott Haggen</u>	Purchase Order No.:	Address:	Location of Sampling by State: <u>WI</u>
Phone: Fax:	Project Name: <u>Smokestack closures</u>	Pace Quote Reference:	Reporting Units ug/m ³ mg/m ³ PPBV PPMV Other
Requested Due Date/TAT: <u>STD</u>	Project Number: <u>58187103</u>	Pace Project Manager/Sales Rep.	Report Level II. III. IV. Other
		Pace Profile #:	

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes		COLLECTED				Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method:								Pace Lab ID	
		MEDIA	CODE	COMPOSITE START		COMPOSITE - END/GRAB						PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Mercury)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated		TO-15 Short List (Other)
				DATE	TIME	DATE	TIME														
1	South floor Drain	66c		11/12/23	1217	11/12/23	1218	-30	-2	3678									X	001	
2	Sewer Clean out				1335		1335	-30	-2	3874									X	002	
3	Budget Scale IA-2				812		1512	-29	-2	0384									X	003	
4	Up-3				1216		1246	-28	-7	2803									X	004	
5	Up-4				1219		1249	-29	-7	0243									X	005	
6	Up-5				1222		1252	-28	-6	2665									X	006	
7	Up-6				1256		1326	-29	-9	0565									X	007	
8	Up-7				1256		1326	-30	-8	0332									X	008	
9	Up-8				1221		1251	-29	-7	0424									X	009	

Comments:	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS							
PCE, TCE, Cis/trans DCE, and VC for analysis		11/12/23	1700		11-12-23	1055	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact	Y/N	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	
							Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	
							Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	

Sample # for budget scale IA-2
is 2367 ORIGINAL

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER:	<u>Ryan Johnson</u>				
SIGNATURE of SAMPLER:		DATE Signed (MM / DD / YY)			
		<u>01/11/23</u>			

Page 13 of 15



DC#_Title: ENV-FRM-MIN4-0113 v01_Sample Condition Upon Receipt (SCUR) - Air

Effective Date: 02/25/2022

Air Sample Condition Upon Receipt

Client Name: TERRACON

Project #: WO#: 10639668

Courier: [X] FedEx [] UPS [] USPS [] Client [] Pace [] SpeedDee [] Commercial

PM: KNH Due Date: 01/19/23 CLIENT: Terracon-WI

Tracking Number: [] See Exception [X]

Custody Seal on Cooler/Box Present? [] Yes [X] No

Seals Intact? [] Yes [X] No

Packing Material: [] Bubble Wrap [X] Foam [] None [] Tin Can [] Other:

Date & Initials of Person Examining Contents: 1.13.23 CM7

Comments:

Table with 13 rows of questions and checkboxes. Includes items like 'Chain of Custody Present?', 'Short Hold Time Analysis (<72 hr)?', 'Media: Air Can | Airbag', and 'Is sufficient information available to reconcile samples to the COC?'.

Gauge #: [] 10AIR26 [] 10AIR34 [] 10AIR35 [] 10AIR17 [] 10AIR47 [X] 10AIR48

Table with 10 columns: Sample Number, Can ID, Flow Controller, Initial Pressure, Final Pressure. Contains data for samples like FLOOR, CLEAN, 1A-2, VP-3, VP-4, VP-5, VP-6, VP-7, VP-8.

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? [] Yes [] No

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____

Project Manager Review:

Kirsten Hojberg

Date: 1/16/2023

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

January 25, 2023

Scott A. Hodgson
Terracon, Inc.
4900 S Pennsylvania Ave Ste100
Cudahy, WI 53110

RE: Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

Dear Scott Hodgson:

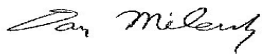
Enclosed are the analytical results for sample(s) received by the laboratory on January 12, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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 - Green Bay

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40257008001	MW-1	Water	01/12/23 12:20	01/12/23 13:01
40257008002	MW-2	Water	01/12/23 11:10	01/12/23 13:01
40257008003	MW-3	Water	01/12/23 11:55	01/12/23 13:01
40257008004	MW-4	Water	01/12/23 12:05	01/12/23 13:01
40257008005	MW-5	Water	01/12/23 08:55	01/12/23 13:01
40257008006	MW-6	Water	01/12/23 10:00	01/12/23 13:01
40257008007	MW-7	Water	01/11/23 15:48	01/12/23 13:01
40257008008	MW-8	Water	01/11/23 14:00	01/12/23 13:01
40257008009	MW-9	Water	01/11/23 14:45	01/12/23 13:01
40257008010	MW-10	Water	01/11/23 11:30	01/12/23 13:01
40257008011	PZ-1	Water	01/11/23 16:00	01/12/23 13:01
40257008012	PZ-2	Water	01/11/23 12:20	01/12/23 13:01
40257008013	BD1	Water	01/12/23 00:00	01/12/23 13:01
40257008014	BD2	Water	01/12/23 00:00	01/12/23 13:01
40257008015	HCL TRIP BLANK	Water	01/12/23 00:00	01/12/23 13:01

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40257008001	MW-1	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	64	PASI-G
		SM 5310C	TJJ	1	PASI-G
40257008002	MW-2	EPA 8260	EIB	64	PASI-G
40257008003	MW-3	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	64	PASI-G
		SM 5310C	TJJ	1	PASI-G
40257008004	MW-4	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	64	PASI-G
		SM 5310C	TJJ	1	PASI-G
40257008005	MW-5	EPA 8260	CXJ	64	PASI-G
40257008006	MW-6	EPA 8260	CXJ	64	PASI-G
40257008007	MW-7	EPA 8260	CXJ	64	PASI-G
40257008008	MW-8	EPA 8260	CXJ	64	PASI-G
40257008009	MW-9	EPA 8260	CXJ	64	PASI-G
40257008010	MW-10	EPA 8260	CXJ	64	PASI-G
40257008011	PZ-1	EPA 8260	CXJ	64	PASI-G
40257008012	PZ-2	EPA 8260	CXJ	64	PASI-G
40257008013	BD1	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6010D	SIS	1	PASI-G
		EPA 8260	CXJ	64	PASI-G
		SM 5310C	TJJ	1	PASI-G
40257008014	BD2	EPA 8260	CXJ	64	PASI-G
40257008015	HCL TRIP BLANK	EPA 8260	CXJ	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40257008001	MW-1					
EPA 8015B Modified	Methane	3160	ug/L	70.0	01/23/23 11:33	
EPA 6010D	Iron, Dissolved	51300	ug/L	100	01/13/23 16:42	
EPA 8260	cis-1,2-Dichloroethene	1.2	ug/L	1.0	01/13/23 14:16	
EPA 8260	Toluene	4.5	ug/L	1.0	01/13/23 14:16	
EPA 8260	Vinyl chloride	0.54J	ug/L	1.0	01/13/23 14:16	
SM 5310C	Total Organic Carbon	49.1	mg/L	30.0	01/17/23 15:05	
40257008002	MW-2					
EPA 8260	cis-1,2-Dichloroethene	3.5	ug/L	1.0	01/13/23 15:18	
EPA 8260	Trichloroethene	0.97J	ug/L	1.0	01/13/23 15:18	
40257008003	MW-3					
EPA 8015B Modified	Ethene	1.7J	ug/L	5.0	01/23/23 11:00	
EPA 8015B Modified	Methane	1940	ug/L	28.0	01/23/23 11:40	
EPA 6010D	Iron, Dissolved	13100	ug/L	100	01/13/23 16:43	
EPA 8260	cis-1,2-Dichloroethene	2.8	ug/L	1.0	01/13/23 14:57	
EPA 8260	Vinyl chloride	2.3	ug/L	1.0	01/13/23 14:57	
SM 5310C	Total Organic Carbon	9.9	mg/L	0.50	01/17/23 15:22	
40257008004	MW-4					
EPA 8015B Modified	Ethane	5.9	ug/L	5.6	01/23/23 11:07	
EPA 8015B Modified	Methane	4760	ug/L	140	01/23/23 11:47	M1, R1
EPA 6010D	Iron, Dissolved	25600	ug/L	100	01/13/23 16:45	
EPA 8260	Benzene	1.2	ug/L	1.0	01/13/23 14:37	
EPA 8260	Ethylbenzene	0.38J	ug/L	1.0	01/13/23 14:37	
EPA 8260	Toluene	10.3	ug/L	1.0	01/13/23 14:37	
SM 5310C	Total Organic Carbon	35.3	mg/L	30.0	01/17/23 15:38	
40257008013	BD1					
EPA 8015B Modified	Ethene	1.6J	ug/L	5.0	01/23/23 11:14	
EPA 8015B Modified	Methane	1890	ug/L	28.0	01/23/23 11:54	
EPA 6010D	Iron, Dissolved	13600	ug/L	100	01/13/23 16:47	
EPA 8260	cis-1,2-Dichloroethene	3.5	ug/L	1.0	01/17/23 15:44	
EPA 8260	trans-1,2-Dichloroethene	0.66J	ug/L	1.0	01/17/23 15:44	
EPA 8260	Vinyl chloride	2.5	ug/L	1.0	01/17/23 15:44	
SM 5310C	Total Organic Carbon	1.7	mg/L	0.50	01/17/23 15:53	
40257008014	BD2					
EPA 8260	Benzene	1.2	ug/L	1.0	01/17/23 16:01	
EPA 8260	Toluene	8.6	ug/L	1.0	01/17/23 16:01	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Method: EPA 8015B Modified

Description: Methane, Ethane, Ethene GCV

Client: Terracon, Inc. - Franklin

Date: January 25, 2023

General Information:

4 samples were analyzed for EPA 8015B Modified by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 436249

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40257008004

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

- MSD (Lab ID: 2509080)
 - Methane

R1: RPD value was outside control limits.

- MSD (Lab ID: 2509080)
 - Methane

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Method: EPA 6010D

Description: 6010D MET ICP, Dissolved

Client: Terracon, Inc. - Franklin

Date: January 25, 2023

General Information:

4 samples were analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Method: EPA 8260

Description: 8260 MSV

Client: Terracon, Inc. - Franklin

Date: January 25, 2023

General Information:

15 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 435760

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

- LCS (Lab ID: 2506795)
 - 1,1-Dichloroethane
 - 1,2-Dichloropropane

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 435760

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40257100002

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 2507172)
 - 1,1-Dichloroethane
 - 1,2-Dichloropropane
- MSD (Lab ID: 2507173)
 - 1,1-Dichloroethane
 - 1,2-Dichloropropane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Method: EPA 8260

Description: 8260 MSV

Client: Terracon, Inc. - Franklin

Date: January 25, 2023

QC Batch: 435760

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40257100002

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

- MS (Lab ID: 2507172)
 - trans-1,2-Dichloroethene
- MSD (Lab ID: 2507173)
 - trans-1,2-Dichloroethene

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Method: SM 5310C

Description: 5310C TOC

Client: Terracon, Inc. - Franklin

Date: January 25, 2023

General Information:

4 samples were analyzed for SM 5310C by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

Sample: MW-1 **Lab ID: 40257008001** Collected: 01/12/23 12:20 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<0.39	ug/L	5.6	0.39	1		01/23/23 10:54	74-84-0	
Ethene	<0.25	ug/L	5.0	0.25	1		01/23/23 10:54	74-85-1	
Methane	3160	ug/L	70.0	14.4	25		01/23/23 11:33	74-82-8	
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D									
Pace Analytical Services - Green Bay									
Iron, Dissolved	51300	ug/L	100	29.6	1		01/13/23 16:42	7439-89-6	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		01/13/23 14:16	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		01/13/23 14:16	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		01/13/23 14:16	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		01/13/23 14:16	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		01/13/23 14:16	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		01/13/23 14:16	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		01/13/23 14:16	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		01/13/23 14:16	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		01/13/23 14:16	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		01/13/23 14:16	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		01/13/23 14:16	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		01/13/23 14:16	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		01/13/23 14:16	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		01/13/23 14:16	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/13/23 14:16	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/13/23 14:16	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		01/13/23 14:16	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		01/13/23 14:16	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		01/13/23 14:16	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		01/13/23 14:16	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		01/13/23 14:16	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		01/13/23 14:16	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		01/13/23 14:16	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		01/13/23 14:16	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		01/13/23 14:16	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		01/13/23 14:16	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		01/13/23 14:16	75-35-4	
cis-1,2-Dichloroethene	1.2	ug/L	1.0	0.47	1		01/13/23 14:16	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		01/13/23 14:16	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		01/13/23 14:16	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		01/13/23 14:16	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		01/13/23 14:16	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		01/13/23 14:16	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		01/13/23 14:16	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		01/13/23 14:16	10061-02-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: MW-1 **Lab ID: 40257008001** Collected: 01/12/23 12:20 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		01/13/23 14:16	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		01/13/23 14:16	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		01/13/23 14:16	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		01/13/23 14:16	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		01/13/23 14:16	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		01/13/23 14:16	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		01/13/23 14:16	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		01/13/23 14:16	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		01/13/23 14:16	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		01/13/23 14:16	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		01/13/23 14:16	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		01/13/23 14:16	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		01/13/23 14:16	127-18-4	
Toluene	4.5	ug/L	1.0	0.29	1		01/13/23 14:16	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		01/13/23 14:16	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		01/13/23 14:16	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		01/13/23 14:16	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		01/13/23 14:16	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		01/13/23 14:16	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		01/13/23 14:16	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		01/13/23 14:16	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		01/13/23 14:16	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		01/13/23 14:16	108-67-8	
Vinyl chloride	0.54J	ug/L	1.0	0.17	1		01/13/23 14:16	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		01/13/23 14:16	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		01/13/23 14:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/13/23 14:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/13/23 14:16	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		01/13/23 14:16	2037-26-5	
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	49.1	mg/L	30.0	8.3	60		01/17/23 15:05	7440-44-0	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: MW-2 **Lab ID: 40257008002** Collected: 01/12/23 11:10 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		01/13/23 15:18	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		01/13/23 15:18	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		01/13/23 15:18	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		01/13/23 15:18	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		01/13/23 15:18	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		01/13/23 15:18	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		01/13/23 15:18	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		01/13/23 15:18	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		01/13/23 15:18	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		01/13/23 15:18	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		01/13/23 15:18	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		01/13/23 15:18	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		01/13/23 15:18	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		01/13/23 15:18	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/13/23 15:18	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/13/23 15:18	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		01/13/23 15:18	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		01/13/23 15:18	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		01/13/23 15:18	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		01/13/23 15:18	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		01/13/23 15:18	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		01/13/23 15:18	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		01/13/23 15:18	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		01/13/23 15:18	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		01/13/23 15:18	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		01/13/23 15:18	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		01/13/23 15:18	75-35-4	
cis-1,2-Dichloroethene	3.5	ug/L	1.0	0.47	1		01/13/23 15:18	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		01/13/23 15:18	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		01/13/23 15:18	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		01/13/23 15:18	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		01/13/23 15:18	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		01/13/23 15:18	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		01/13/23 15:18	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		01/13/23 15:18	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		01/13/23 15:18	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		01/13/23 15:18	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		01/13/23 15:18	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		01/13/23 15:18	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		01/13/23 15:18	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		01/13/23 15:18	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		01/13/23 15:18	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		01/13/23 15:18	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		01/13/23 15:18	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		01/13/23 15:18	100-42-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: MW-2 **Lab ID: 40257008002** Collected: 01/12/23 11:10 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		01/13/23 15:18	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		01/13/23 15:18	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		01/13/23 15:18	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		01/13/23 15:18	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		01/13/23 15:18	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		01/13/23 15:18	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		01/13/23 15:18	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		01/13/23 15:18	79-00-5	
Trichloroethene	0.97J	ug/L	1.0	0.32	1		01/13/23 15:18	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		01/13/23 15:18	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		01/13/23 15:18	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		01/13/23 15:18	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		01/13/23 15:18	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		01/13/23 15:18	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		01/13/23 15:18	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		01/13/23 15:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/13/23 15:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/13/23 15:18	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		01/13/23 15:18	2037-26-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

Sample: MW-3 Lab ID: 40257008003 Collected: 01/12/23 11:55 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<0.39	ug/L	5.6	0.39	1		01/23/23 11:00	74-84-0	
Ethene	1.7J	ug/L	5.0	0.25	1		01/23/23 11:00	74-85-1	
Methane	1940	ug/L	28.0	5.8	10		01/23/23 11:40	74-82-8	
6010D MET ICP, Dissolved		Analytical Method: EPA 6010D Pace Analytical Services - Green Bay							
Iron, Dissolved	13100	ug/L	100	29.6	1		01/13/23 16:43	7439-89-6	
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Benzene	<0.30	ug/L	1.0	0.30	1		01/13/23 14:57	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		01/13/23 14:57	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		01/13/23 14:57	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		01/13/23 14:57	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		01/13/23 14:57	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		01/13/23 14:57	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		01/13/23 14:57	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		01/13/23 14:57	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		01/13/23 14:57	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		01/13/23 14:57	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		01/13/23 14:57	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		01/13/23 14:57	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		01/13/23 14:57	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		01/13/23 14:57	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/13/23 14:57	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/13/23 14:57	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		01/13/23 14:57	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		01/13/23 14:57	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		01/13/23 14:57	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		01/13/23 14:57	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		01/13/23 14:57	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		01/13/23 14:57	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		01/13/23 14:57	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		01/13/23 14:57	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		01/13/23 14:57	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		01/13/23 14:57	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		01/13/23 14:57	75-35-4	
cis-1,2-Dichloroethene	2.8	ug/L	1.0	0.47	1		01/13/23 14:57	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		01/13/23 14:57	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		01/13/23 14:57	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		01/13/23 14:57	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		01/13/23 14:57	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		01/13/23 14:57	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		01/13/23 14:57	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		01/13/23 14:57	10061-02-6	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: MW-3 **Lab ID: 40257008003** Collected: 01/12/23 11:55 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		01/13/23 14:57	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		01/13/23 14:57	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		01/13/23 14:57	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		01/13/23 14:57	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		01/13/23 14:57	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		01/13/23 14:57	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		01/13/23 14:57	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		01/13/23 14:57	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		01/13/23 14:57	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		01/13/23 14:57	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		01/13/23 14:57	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		01/13/23 14:57	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		01/13/23 14:57	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		01/13/23 14:57	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		01/13/23 14:57	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		01/13/23 14:57	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		01/13/23 14:57	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		01/13/23 14:57	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		01/13/23 14:57	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		01/13/23 14:57	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		01/13/23 14:57	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		01/13/23 14:57	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		01/13/23 14:57	108-67-8	
Vinyl chloride	2.3	ug/L	1.0	0.17	1		01/13/23 14:57	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		01/13/23 14:57	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		01/13/23 14:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/13/23 14:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		01/13/23 14:57	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		01/13/23 14:57	2037-26-5	
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	9.9	mg/L	0.50	0.14	1		01/17/23 15:22	7440-44-0	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: MW-4 **Lab ID: 40257008004** Collected: 01/12/23 12:05 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	5.9	ug/L	5.6	0.39	1		01/23/23 11:07	74-84-0	
Ethene	<0.25	ug/L	5.0	0.25	1		01/23/23 11:07	74-85-1	
Methane	4760	ug/L	140	28.8	50		01/23/23 11:47	74-82-8	M1,R1
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D									
Pace Analytical Services - Green Bay									
Iron, Dissolved	25600	ug/L	100	29.6	1		01/13/23 16:45	7439-89-6	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	1.2	ug/L	1.0	0.30	1		01/13/23 14:37	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		01/13/23 14:37	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		01/13/23 14:37	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		01/13/23 14:37	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		01/13/23 14:37	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		01/13/23 14:37	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		01/13/23 14:37	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		01/13/23 14:37	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		01/13/23 14:37	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		01/13/23 14:37	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		01/13/23 14:37	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		01/13/23 14:37	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		01/13/23 14:37	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		01/13/23 14:37	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/13/23 14:37	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/13/23 14:37	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		01/13/23 14:37	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		01/13/23 14:37	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		01/13/23 14:37	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		01/13/23 14:37	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		01/13/23 14:37	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		01/13/23 14:37	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		01/13/23 14:37	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		01/13/23 14:37	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		01/13/23 14:37	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		01/13/23 14:37	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		01/13/23 14:37	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		01/13/23 14:37	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		01/13/23 14:37	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		01/13/23 14:37	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		01/13/23 14:37	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		01/13/23 14:37	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		01/13/23 14:37	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		01/13/23 14:37	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		01/13/23 14:37	10061-02-6	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: MW-4 **Lab ID: 40257008004** Collected: 01/12/23 12:05 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		01/13/23 14:37	108-20-3	
Ethylbenzene	0.38J	ug/L	1.0	0.33	1		01/13/23 14:37	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		01/13/23 14:37	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		01/13/23 14:37	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		01/13/23 14:37	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		01/13/23 14:37	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		01/13/23 14:37	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		01/13/23 14:37	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		01/13/23 14:37	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		01/13/23 14:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		01/13/23 14:37	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		01/13/23 14:37	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		01/13/23 14:37	127-18-4	
Toluene	10.3	ug/L	1.0	0.29	1		01/13/23 14:37	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		01/13/23 14:37	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		01/13/23 14:37	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		01/13/23 14:37	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		01/13/23 14:37	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		01/13/23 14:37	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		01/13/23 14:37	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		01/13/23 14:37	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		01/13/23 14:37	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		01/13/23 14:37	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		01/13/23 14:37	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		01/13/23 14:37	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		01/13/23 14:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		01/13/23 14:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		01/13/23 14:37	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		01/13/23 14:37	2037-26-5	
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	35.3	mg/L	30.0	8.3	60		01/17/23 15:38	7440-44-0	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

Sample: MW-5 **Lab ID: 40257008005** Collected: 01/12/23 08:55 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		01/17/23 13:25	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 13:25	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		01/17/23 13:25	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 13:25	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		01/17/23 13:25	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		01/17/23 13:25	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 13:25	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		01/17/23 13:25	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		01/17/23 13:25	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		01/17/23 13:25	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 13:25	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		01/17/23 13:25	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		01/17/23 13:25	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		01/17/23 13:25	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 13:25	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 13:25	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		01/17/23 13:25	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		01/17/23 13:25	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		01/17/23 13:25	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		01/17/23 13:25	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 13:25	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 13:25	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		01/17/23 13:25	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		01/17/23 13:25	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 13:25	75-34-3	L1
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		01/17/23 13:25	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		01/17/23 13:25	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		01/17/23 13:25	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		01/17/23 13:25	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		01/17/23 13:25	78-87-5	L1
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		01/17/23 13:25	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		01/17/23 13:25	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		01/17/23 13:25	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		01/17/23 13:25	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		01/17/23 13:25	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 13:25	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 13:25	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		01/17/23 13:25	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		01/17/23 13:25	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		01/17/23 13:25	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		01/17/23 13:25	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 13:25	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		01/17/23 13:25	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 13:25	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		01/17/23 13:25	100-42-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

Sample: MW-5 **Lab ID: 40257008005** Collected: 01/12/23 08:55 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		01/17/23 13:25	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		01/17/23 13:25	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		01/17/23 13:25	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		01/17/23 13:25	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		01/17/23 13:25	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		01/17/23 13:25	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 13:25	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		01/17/23 13:25	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		01/17/23 13:25	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 13:25	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		01/17/23 13:25	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		01/17/23 13:25	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 13:25	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		01/17/23 13:25	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		01/17/23 13:25	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		01/17/23 13:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		01/17/23 13:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		01/17/23 13:25	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		01/17/23 13:25	2037-26-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: MW-6 **Lab ID: 40257008006** Collected: 01/12/23 10:00 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		01/17/23 13:43	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 13:43	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		01/17/23 13:43	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 13:43	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		01/17/23 13:43	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		01/17/23 13:43	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 13:43	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		01/17/23 13:43	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		01/17/23 13:43	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		01/17/23 13:43	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 13:43	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		01/17/23 13:43	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		01/17/23 13:43	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		01/17/23 13:43	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 13:43	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 13:43	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		01/17/23 13:43	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		01/17/23 13:43	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		01/17/23 13:43	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		01/17/23 13:43	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 13:43	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 13:43	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		01/17/23 13:43	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		01/17/23 13:43	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 13:43	75-34-3	L1
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		01/17/23 13:43	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		01/17/23 13:43	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		01/17/23 13:43	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		01/17/23 13:43	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		01/17/23 13:43	78-87-5	L1
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		01/17/23 13:43	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		01/17/23 13:43	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		01/17/23 13:43	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		01/17/23 13:43	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		01/17/23 13:43	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 13:43	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 13:43	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		01/17/23 13:43	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		01/17/23 13:43	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		01/17/23 13:43	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		01/17/23 13:43	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 13:43	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		01/17/23 13:43	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 13:43	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		01/17/23 13:43	100-42-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

Sample: MW-6 **Lab ID: 40257008006** Collected: 01/12/23 10:00 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		01/17/23 13:43	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		01/17/23 13:43	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		01/17/23 13:43	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		01/17/23 13:43	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		01/17/23 13:43	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		01/17/23 13:43	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 13:43	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		01/17/23 13:43	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		01/17/23 13:43	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 13:43	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		01/17/23 13:43	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		01/17/23 13:43	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 13:43	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		01/17/23 13:43	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		01/17/23 13:43	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		01/17/23 13:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/17/23 13:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		01/17/23 13:43	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		01/17/23 13:43	2037-26-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: MW-7 Lab ID: 40257008007 Collected: 01/11/23 15:48 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		01/17/23 14:00	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:00	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		01/17/23 14:00	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 14:00	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		01/17/23 14:00	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		01/17/23 14:00	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 14:00	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		01/17/23 14:00	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		01/17/23 14:00	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		01/17/23 14:00	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 14:00	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		01/17/23 14:00	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		01/17/23 14:00	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		01/17/23 14:00	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 14:00	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 14:00	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		01/17/23 14:00	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		01/17/23 14:00	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		01/17/23 14:00	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		01/17/23 14:00	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 14:00	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 14:00	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		01/17/23 14:00	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		01/17/23 14:00	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 14:00	75-34-3	L1
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		01/17/23 14:00	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		01/17/23 14:00	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		01/17/23 14:00	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		01/17/23 14:00	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		01/17/23 14:00	78-87-5	L1
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		01/17/23 14:00	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		01/17/23 14:00	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		01/17/23 14:00	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:00	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		01/17/23 14:00	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 14:00	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 14:00	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		01/17/23 14:00	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		01/17/23 14:00	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		01/17/23 14:00	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		01/17/23 14:00	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 14:00	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		01/17/23 14:00	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 14:00	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:00	100-42-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: MW-7 **Lab ID: 40257008007** Collected: 01/11/23 15:48 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		01/17/23 14:00	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		01/17/23 14:00	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		01/17/23 14:00	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		01/17/23 14:00	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		01/17/23 14:00	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		01/17/23 14:00	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 14:00	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		01/17/23 14:00	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		01/17/23 14:00	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 14:00	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		01/17/23 14:00	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		01/17/23 14:00	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:00	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		01/17/23 14:00	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		01/17/23 14:00	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		01/17/23 14:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/17/23 14:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		01/17/23 14:00	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		01/17/23 14:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: MW-8 **Lab ID: 40257008008** Collected: 01/11/23 14:00 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		01/17/23 14:17	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:17	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		01/17/23 14:17	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 14:17	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		01/17/23 14:17	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		01/17/23 14:17	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 14:17	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		01/17/23 14:17	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		01/17/23 14:17	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		01/17/23 14:17	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 14:17	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		01/17/23 14:17	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		01/17/23 14:17	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		01/17/23 14:17	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 14:17	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 14:17	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		01/17/23 14:17	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		01/17/23 14:17	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		01/17/23 14:17	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		01/17/23 14:17	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 14:17	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 14:17	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		01/17/23 14:17	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		01/17/23 14:17	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 14:17	75-34-3	L1
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		01/17/23 14:17	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		01/17/23 14:17	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		01/17/23 14:17	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		01/17/23 14:17	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		01/17/23 14:17	78-87-5	L1
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		01/17/23 14:17	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		01/17/23 14:17	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		01/17/23 14:17	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:17	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		01/17/23 14:17	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 14:17	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 14:17	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		01/17/23 14:17	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		01/17/23 14:17	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		01/17/23 14:17	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		01/17/23 14:17	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 14:17	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		01/17/23 14:17	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 14:17	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:17	100-42-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: MW-8 **Lab ID: 40257008008** Collected: 01/11/23 14:00 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		01/17/23 14:17	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		01/17/23 14:17	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		01/17/23 14:17	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		01/17/23 14:17	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		01/17/23 14:17	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		01/17/23 14:17	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 14:17	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		01/17/23 14:17	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		01/17/23 14:17	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 14:17	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		01/17/23 14:17	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		01/17/23 14:17	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:17	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		01/17/23 14:17	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		01/17/23 14:17	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		01/17/23 14:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		01/17/23 14:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		01/17/23 14:17	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		01/17/23 14:17	2037-26-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: MW-9 **Lab ID: 40257008009** Collected: 01/11/23 14:45 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		01/17/23 14:35	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:35	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		01/17/23 14:35	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 14:35	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		01/17/23 14:35	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		01/17/23 14:35	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 14:35	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		01/17/23 14:35	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		01/17/23 14:35	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		01/17/23 14:35	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 14:35	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		01/17/23 14:35	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		01/17/23 14:35	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		01/17/23 14:35	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 14:35	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 14:35	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		01/17/23 14:35	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		01/17/23 14:35	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		01/17/23 14:35	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		01/17/23 14:35	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 14:35	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 14:35	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		01/17/23 14:35	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		01/17/23 14:35	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 14:35	75-34-3	L1
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		01/17/23 14:35	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		01/17/23 14:35	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		01/17/23 14:35	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		01/17/23 14:35	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		01/17/23 14:35	78-87-5	L1
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		01/17/23 14:35	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		01/17/23 14:35	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		01/17/23 14:35	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:35	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		01/17/23 14:35	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 14:35	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 14:35	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		01/17/23 14:35	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		01/17/23 14:35	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		01/17/23 14:35	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		01/17/23 14:35	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 14:35	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		01/17/23 14:35	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 14:35	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:35	100-42-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: MW-9 **Lab ID: 40257008009** Collected: 01/11/23 14:45 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		01/17/23 14:35	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		01/17/23 14:35	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		01/17/23 14:35	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		01/17/23 14:35	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		01/17/23 14:35	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		01/17/23 14:35	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 14:35	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		01/17/23 14:35	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		01/17/23 14:35	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 14:35	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		01/17/23 14:35	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		01/17/23 14:35	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:35	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		01/17/23 14:35	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		01/17/23 14:35	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		01/17/23 14:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/17/23 14:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		01/17/23 14:35	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		01/17/23 14:35	2037-26-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: MW-10 **Lab ID: 40257008010** Collected: 01/11/23 11:30 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		01/17/23 14:52	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:52	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		01/17/23 14:52	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 14:52	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		01/17/23 14:52	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		01/17/23 14:52	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 14:52	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		01/17/23 14:52	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		01/17/23 14:52	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		01/17/23 14:52	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 14:52	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		01/17/23 14:52	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		01/17/23 14:52	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		01/17/23 14:52	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 14:52	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 14:52	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		01/17/23 14:52	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		01/17/23 14:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		01/17/23 14:52	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		01/17/23 14:52	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 14:52	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 14:52	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		01/17/23 14:52	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		01/17/23 14:52	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 14:52	75-34-3	L1
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		01/17/23 14:52	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		01/17/23 14:52	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		01/17/23 14:52	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		01/17/23 14:52	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		01/17/23 14:52	78-87-5	L1
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		01/17/23 14:52	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		01/17/23 14:52	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		01/17/23 14:52	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:52	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		01/17/23 14:52	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 14:52	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 14:52	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		01/17/23 14:52	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		01/17/23 14:52	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		01/17/23 14:52	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		01/17/23 14:52	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 14:52	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		01/17/23 14:52	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 14:52	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:52	100-42-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: MW-10 **Lab ID: 40257008010** Collected: 01/11/23 11:30 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		01/17/23 14:52	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		01/17/23 14:52	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		01/17/23 14:52	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		01/17/23 14:52	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		01/17/23 14:52	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		01/17/23 14:52	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 14:52	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		01/17/23 14:52	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		01/17/23 14:52	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 14:52	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		01/17/23 14:52	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		01/17/23 14:52	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 14:52	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		01/17/23 14:52	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		01/17/23 14:52	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		01/17/23 14:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		01/17/23 14:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		01/17/23 14:52	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		01/17/23 14:52	2037-26-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

Sample: PZ-1 Lab ID: 40257008011 Collected: 01/11/23 16:00 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		01/17/23 15:09	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 15:09	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		01/17/23 15:09	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 15:09	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		01/17/23 15:09	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		01/17/23 15:09	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 15:09	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		01/17/23 15:09	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		01/17/23 15:09	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		01/17/23 15:09	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 15:09	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		01/17/23 15:09	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		01/17/23 15:09	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		01/17/23 15:09	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 15:09	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 15:09	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		01/17/23 15:09	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		01/17/23 15:09	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		01/17/23 15:09	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		01/17/23 15:09	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 15:09	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 15:09	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		01/17/23 15:09	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		01/17/23 15:09	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 15:09	75-34-3	L1
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		01/17/23 15:09	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		01/17/23 15:09	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		01/17/23 15:09	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		01/17/23 15:09	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		01/17/23 15:09	78-87-5	L1
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		01/17/23 15:09	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		01/17/23 15:09	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		01/17/23 15:09	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		01/17/23 15:09	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		01/17/23 15:09	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 15:09	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 15:09	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		01/17/23 15:09	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		01/17/23 15:09	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		01/17/23 15:09	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		01/17/23 15:09	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 15:09	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		01/17/23 15:09	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 15:09	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		01/17/23 15:09	100-42-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

Sample: PZ-1 **Lab ID: 40257008011** Collected: 01/11/23 16:00 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		01/17/23 15:09	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		01/17/23 15:09	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		01/17/23 15:09	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		01/17/23 15:09	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		01/17/23 15:09	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		01/17/23 15:09	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 15:09	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		01/17/23 15:09	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		01/17/23 15:09	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 15:09	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		01/17/23 15:09	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		01/17/23 15:09	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 15:09	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		01/17/23 15:09	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		01/17/23 15:09	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		01/17/23 15:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		01/17/23 15:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		01/17/23 15:09	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		01/17/23 15:09	2037-26-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: PZ-2 **Lab ID: 40257008012** Collected: 01/11/23 12:20 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		01/17/23 15:27	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 15:27	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		01/17/23 15:27	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 15:27	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		01/17/23 15:27	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		01/17/23 15:27	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 15:27	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		01/17/23 15:27	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		01/17/23 15:27	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		01/17/23 15:27	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 15:27	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		01/17/23 15:27	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		01/17/23 15:27	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		01/17/23 15:27	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 15:27	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 15:27	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		01/17/23 15:27	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		01/17/23 15:27	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		01/17/23 15:27	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		01/17/23 15:27	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 15:27	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 15:27	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		01/17/23 15:27	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		01/17/23 15:27	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 15:27	75-34-3	L1
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		01/17/23 15:27	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		01/17/23 15:27	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		01/17/23 15:27	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		01/17/23 15:27	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		01/17/23 15:27	78-87-5	L1
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		01/17/23 15:27	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		01/17/23 15:27	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		01/17/23 15:27	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		01/17/23 15:27	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		01/17/23 15:27	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 15:27	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 15:27	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		01/17/23 15:27	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		01/17/23 15:27	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		01/17/23 15:27	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		01/17/23 15:27	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 15:27	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		01/17/23 15:27	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 15:27	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		01/17/23 15:27	100-42-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: PZ-2 **Lab ID: 40257008012** Collected: 01/11/23 12:20 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		01/17/23 15:27	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		01/17/23 15:27	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		01/17/23 15:27	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		01/17/23 15:27	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		01/17/23 15:27	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		01/17/23 15:27	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 15:27	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		01/17/23 15:27	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		01/17/23 15:27	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 15:27	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		01/17/23 15:27	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		01/17/23 15:27	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 15:27	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		01/17/23 15:27	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		01/17/23 15:27	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		01/17/23 15:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		01/17/23 15:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		01/17/23 15:27	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		01/17/23 15:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: BD1 **Lab ID: 40257008013** Collected: 01/12/23 00:00 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<0.39	ug/L	5.6	0.39	1		01/23/23 11:14	74-84-0	
Ethene	1.6J	ug/L	5.0	0.25	1		01/23/23 11:14	74-85-1	
Methane	1890	ug/L	28.0	5.8	10		01/23/23 11:54	74-82-8	
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D									
Pace Analytical Services - Green Bay									
Iron, Dissolved	13600	ug/L	100	29.6	1		01/13/23 16:47	7439-89-6	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		01/17/23 15:44	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 15:44	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		01/17/23 15:44	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 15:44	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		01/17/23 15:44	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		01/17/23 15:44	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 15:44	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		01/17/23 15:44	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		01/17/23 15:44	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		01/17/23 15:44	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 15:44	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		01/17/23 15:44	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		01/17/23 15:44	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		01/17/23 15:44	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 15:44	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 15:44	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		01/17/23 15:44	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		01/17/23 15:44	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		01/17/23 15:44	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		01/17/23 15:44	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 15:44	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 15:44	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		01/17/23 15:44	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		01/17/23 15:44	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 15:44	75-34-3	L1
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		01/17/23 15:44	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		01/17/23 15:44	75-35-4	
cis-1,2-Dichloroethene	3.5	ug/L	1.0	0.47	1		01/17/23 15:44	156-59-2	
trans-1,2-Dichloroethene	0.66J	ug/L	1.0	0.53	1		01/17/23 15:44	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		01/17/23 15:44	78-87-5	L1
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		01/17/23 15:44	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		01/17/23 15:44	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		01/17/23 15:44	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		01/17/23 15:44	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		01/17/23 15:44	10061-02-6	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: BD1 **Lab ID: 40257008013** Collected: 01/12/23 00:00 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 15:44	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 15:44	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		01/17/23 15:44	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		01/17/23 15:44	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		01/17/23 15:44	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		01/17/23 15:44	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 15:44	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		01/17/23 15:44	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 15:44	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		01/17/23 15:44	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		01/17/23 15:44	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		01/17/23 15:44	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		01/17/23 15:44	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		01/17/23 15:44	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		01/17/23 15:44	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		01/17/23 15:44	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 15:44	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		01/17/23 15:44	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		01/17/23 15:44	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 15:44	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		01/17/23 15:44	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		01/17/23 15:44	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 15:44	108-67-8	
Vinyl chloride	2.5	ug/L	1.0	0.17	1		01/17/23 15:44	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		01/17/23 15:44	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		01/17/23 15:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		01/17/23 15:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		01/17/23 15:44	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		01/17/23 15:44	2037-26-5	
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	1.7	mg/L	0.50	0.14	1		01/17/23 15:53	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: BD2 **Lab ID: 40257008014** Collected: 01/12/23 00:00 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	1.2	ug/L	1.0	0.30	1		01/17/23 16:01	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 16:01	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		01/17/23 16:01	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 16:01	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		01/17/23 16:01	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		01/17/23 16:01	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 16:01	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		01/17/23 16:01	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		01/17/23 16:01	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		01/17/23 16:01	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 16:01	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		01/17/23 16:01	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		01/17/23 16:01	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		01/17/23 16:01	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 16:01	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 16:01	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		01/17/23 16:01	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		01/17/23 16:01	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		01/17/23 16:01	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		01/17/23 16:01	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 16:01	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 16:01	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		01/17/23 16:01	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		01/17/23 16:01	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 16:01	75-34-3	L1
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		01/17/23 16:01	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		01/17/23 16:01	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		01/17/23 16:01	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		01/17/23 16:01	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		01/17/23 16:01	78-87-5	L1
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		01/17/23 16:01	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		01/17/23 16:01	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		01/17/23 16:01	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		01/17/23 16:01	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		01/17/23 16:01	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 16:01	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 16:01	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		01/17/23 16:01	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		01/17/23 16:01	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		01/17/23 16:01	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		01/17/23 16:01	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 16:01	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		01/17/23 16:01	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 16:01	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		01/17/23 16:01	100-42-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

Sample: BD2 **Lab ID: 40257008014** Collected: 01/12/23 00:00 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		01/17/23 16:01	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		01/17/23 16:01	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		01/17/23 16:01	127-18-4	
Toluene	8.6	ug/L	1.0	0.29	1		01/17/23 16:01	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		01/17/23 16:01	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		01/17/23 16:01	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 16:01	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		01/17/23 16:01	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		01/17/23 16:01	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 16:01	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		01/17/23 16:01	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		01/17/23 16:01	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 16:01	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		01/17/23 16:01	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		01/17/23 16:01	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		01/17/23 16:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/17/23 16:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		01/17/23 16:01	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		01/17/23 16:01	2037-26-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Sample: HCL TRIP BLANK **Lab ID: 40257008015** Collected: 01/12/23 00:00 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		01/17/23 11:47	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 11:47	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		01/17/23 11:47	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 11:47	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		01/17/23 11:47	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		01/17/23 11:47	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 11:47	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		01/17/23 11:47	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		01/17/23 11:47	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		01/17/23 11:47	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		01/17/23 11:47	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		01/17/23 11:47	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		01/17/23 11:47	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		01/17/23 11:47	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 11:47	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		01/17/23 11:47	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		01/17/23 11:47	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		01/17/23 11:47	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		01/17/23 11:47	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		01/17/23 11:47	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 11:47	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 11:47	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		01/17/23 11:47	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		01/17/23 11:47	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 11:47	75-34-3	L1
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		01/17/23 11:47	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		01/17/23 11:47	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		01/17/23 11:47	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		01/17/23 11:47	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		01/17/23 11:47	78-87-5	L1
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		01/17/23 11:47	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		01/17/23 11:47	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		01/17/23 11:47	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		01/17/23 11:47	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		01/17/23 11:47	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 11:47	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		01/17/23 11:47	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		01/17/23 11:47	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		01/17/23 11:47	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		01/17/23 11:47	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		01/17/23 11:47	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		01/17/23 11:47	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		01/17/23 11:47	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		01/17/23 11:47	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		01/17/23 11:47	100-42-5	

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ANALYTICAL RESULTS

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

Sample: HCL TRIP BLANK **Lab ID: 40257008015** Collected: 01/12/23 00:00 Received: 01/12/23 13:01 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		01/17/23 11:47	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		01/17/23 11:47	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		01/17/23 11:47	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		01/17/23 11:47	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		01/17/23 11:47	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		01/17/23 11:47	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		01/17/23 11:47	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		01/17/23 11:47	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		01/17/23 11:47	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		01/17/23 11:47	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		01/17/23 11:47	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		01/17/23 11:47	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		01/17/23 11:47	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		01/17/23 11:47	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		01/17/23 11:47	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		01/17/23 11:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		01/17/23 11:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		01/17/23 11:47	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		01/17/23 11:47	2037-26-5	

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QUALITY CONTROL DATA

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

QC Batch: 436249 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40257008001, 40257008003, 40257008004, 40257008013

METHOD BLANK: 2508952 Matrix: Water
Associated Lab Samples: 40257008001, 40257008003, 40257008004, 40257008013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.39	5.6	01/23/23 09:12	
Ethene	ug/L	<0.25	5.0	01/23/23 09:12	
Methane	ug/L	<0.58	2.8	01/23/23 09:12	

LABORATORY CONTROL SAMPLE & LCSD: 2508953

Parameter	Units	2508954					% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Ethane	ug/L	53.6	55.3	57.6	103	107	74-120	4	20	
Ethene	ug/L	50	52.1	54.1	104	108	71-122	4	20	
Methane	ug/L	28.6	29.9	31.3	105	110	73-120	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2509079 2509080

Parameter	Units	40257008004		2509080		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Ethane	ug/L	5.9	2680	2680	2600	2880	97	107	70-120	10	20		
Ethene	ug/L	<0.25	2500	2500	2440	2710	98	108	68-122	10	20		
Methane	ug/L	4760	1430	1430	7530	9550	194	336	10-200	24	20	M1,R1	

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

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QUALITY CONTROL DATA

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

QC Batch:	435697	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 6010D	Analysis Description:	ICP Metals, Trace, Dissolved
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40257008001, 40257008003, 40257008004, 40257008013

METHOD BLANK: 2506475 Matrix: Water
Associated Lab Samples: 40257008001, 40257008003, 40257008004, 40257008013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Dissolved	ug/L	<29.6	100	01/13/23 16:23	

LABORATORY CONTROL SAMPLE: 2506476

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	10000	10200	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2506477 2506478

Parameter	Units	40256957001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	<29.6	10000	10000	9480	9530	95	95	75-125	0	20	

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

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QUALITY CONTROL DATA

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

QC Batch: 435632 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40257008001, 40257008002, 40257008003, 40257008004

METHOD BLANK: 2506044 Matrix: Water
Associated Lab Samples: 40257008001, 40257008002, 40257008003, 40257008004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	01/13/23 10:02	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	01/13/23 10:02	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	01/13/23 10:02	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	01/13/23 10:02	
1,1-Dichloroethane	ug/L	<0.30	1.0	01/13/23 10:02	
1,1-Dichloroethene	ug/L	<0.58	1.0	01/13/23 10:02	
1,1-Dichloropropene	ug/L	<0.41	1.0	01/13/23 10:02	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	01/13/23 10:02	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	01/13/23 10:02	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	01/13/23 10:02	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	01/13/23 10:02	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	01/13/23 10:02	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	01/13/23 10:02	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	01/13/23 10:02	
1,2-Dichloroethane	ug/L	<0.29	1.0	01/13/23 10:02	
1,2-Dichloropropane	ug/L	<0.45	1.0	01/13/23 10:02	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	01/13/23 10:02	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	01/13/23 10:02	
1,3-Dichloropropane	ug/L	<0.30	1.0	01/13/23 10:02	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	01/13/23 10:02	
2,2-Dichloropropane	ug/L	<4.2	5.0	01/13/23 10:02	
2-Chlorotoluene	ug/L	<0.89	5.0	01/13/23 10:02	
4-Chlorotoluene	ug/L	<0.89	5.0	01/13/23 10:02	
Benzene	ug/L	<0.30	1.0	01/13/23 10:02	
Bromobenzene	ug/L	<0.36	1.0	01/13/23 10:02	
Bromochloromethane	ug/L	<0.36	5.0	01/13/23 10:02	
Bromodichloromethane	ug/L	<0.42	1.0	01/13/23 10:02	
Bromoform	ug/L	<3.8	5.0	01/13/23 10:02	
Bromomethane	ug/L	<1.2	5.0	01/13/23 10:02	
Carbon tetrachloride	ug/L	<0.37	1.0	01/13/23 10:02	
Chlorobenzene	ug/L	<0.86	1.0	01/13/23 10:02	
Chloroethane	ug/L	<1.4	5.0	01/13/23 10:02	
Chloroform	ug/L	<1.2	5.0	01/13/23 10:02	
Chloromethane	ug/L	<1.6	5.0	01/13/23 10:02	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	01/13/23 10:02	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	01/13/23 10:02	
Dibromochloromethane	ug/L	<2.6	5.0	01/13/23 10:02	
Dibromomethane	ug/L	<0.99	5.0	01/13/23 10:02	
Dichlorodifluoromethane	ug/L	<0.46	5.0	01/13/23 10:02	
Diisopropyl ether	ug/L	<1.1	5.0	01/13/23 10:02	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

METHOD BLANK: 2506044 Matrix: Water
Associated Lab Samples: 40257008001, 40257008002, 40257008003, 40257008004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	01/13/23 10:02	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	01/13/23 10:02	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	01/13/23 10:02	
m&p-Xylene	ug/L	<0.70	2.0	01/13/23 10:02	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	01/13/23 10:02	
Methylene Chloride	ug/L	<0.32	5.0	01/13/23 10:02	
n-Butylbenzene	ug/L	<0.86	1.0	01/13/23 10:02	
n-Propylbenzene	ug/L	<0.35	1.0	01/13/23 10:02	
Naphthalene	ug/L	<1.1	5.0	01/13/23 10:02	
o-Xylene	ug/L	<0.35	1.0	01/13/23 10:02	
p-Isopropyltoluene	ug/L	<1.0	5.0	01/13/23 10:02	
sec-Butylbenzene	ug/L	<0.42	1.0	01/13/23 10:02	
Styrene	ug/L	<0.36	1.0	01/13/23 10:02	
tert-Butylbenzene	ug/L	<0.59	1.0	01/13/23 10:02	
Tetrachloroethene	ug/L	<0.41	1.0	01/13/23 10:02	
Toluene	ug/L	<0.29	1.0	01/13/23 10:02	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	01/13/23 10:02	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	01/13/23 10:02	
Trichloroethene	ug/L	<0.32	1.0	01/13/23 10:02	
Trichlorofluoromethane	ug/L	<0.42	1.0	01/13/23 10:02	
Vinyl chloride	ug/L	<0.17	1.0	01/13/23 10:02	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	01/13/23 10:02	
4-Bromofluorobenzene (S)	%	102	70-130	01/13/23 10:02	
Toluene-d8 (S)	%	101	70-130	01/13/23 10:02	

LABORATORY CONTROL SAMPLE: 2506045

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.5	113	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	51.4	103	69-130	
1,1,2-Trichloroethane	ug/L	50	51.6	103	70-130	
1,1-Dichloroethane	ug/L	50	52.9	106	70-130	
1,1-Dichloroethene	ug/L	50	51.8	104	74-131	
1,2,4-Trichlorobenzene	ug/L	50	47.1	94	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.2	100	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	49.6	99	70-130	
1,2-Dichlorobenzene	ug/L	50	51.5	103	70-130	
1,2-Dichloroethane	ug/L	50	52.6	105	70-137	
1,2-Dichloropropane	ug/L	50	54.0	108	80-121	
1,3-Dichlorobenzene	ug/L	50	52.7	105	70-130	
1,4-Dichlorobenzene	ug/L	50	48.9	98	70-130	
Benzene	ug/L	50	51.8	104	70-130	
Bromodichloromethane	ug/L	50	52.8	106	70-130	
Bromoform	ug/L	50	49.6	99	70-130	

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QUALITY CONTROL DATA

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

LABORATORY CONTROL SAMPLE: 2506045

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	37.3	75	21-147	
Carbon tetrachloride	ug/L	50	58.6	117	80-146	
Chlorobenzene	ug/L	50	53.1	106	70-130	
Chloroethane	ug/L	50	46.1	92	52-165	
Chloroform	ug/L	50	54.6	109	80-123	
Chloromethane	ug/L	50	43.3	87	51-122	
cis-1,2-Dichloroethene	ug/L	50	51.5	103	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.5	105	70-130	
Dibromochloromethane	ug/L	50	49.3	99	70-130	
Dichlorodifluoromethane	ug/L	50	26.9	54	25-121	
Ethylbenzene	ug/L	50	55.1	110	80-120	
Isopropylbenzene (Cumene)	ug/L	50	52.6	105	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	47.4	95	70-130	
Methylene Chloride	ug/L	50	49.7	99	70-130	
o-Xylene	ug/L	50	52.4	105	70-130	
Styrene	ug/L	50	61.3	123	70-130	
Tetrachloroethene	ug/L	50	52.2	104	70-130	
Toluene	ug/L	50	53.2	106	80-120	
trans-1,2-Dichloroethene	ug/L	50	52.5	105	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.5	101	70-130	
Trichloroethene	ug/L	50	53.0	106	70-130	
Trichlorofluoromethane	ug/L	50	50.3	101	65-160	
Vinyl chloride	ug/L	50	45.8	92	63-134	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2506344 2506345

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40257008001 Result	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	57.5	56.6	115	113	70-134	2	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	56.3	56.1	113	112	61-135	0	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	51.3	50.0	103	100	70-130	2	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	53.8	52.1	108	104	70-130	3	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	53.3	52.0	107	104	71-130	3	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	48.9	48.6	98	97	68-131	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	59.1	57.6	118	115	51-141	3	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	51.3	50.8	103	102	70-130	1	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	52.5	51.1	105	102	70-130	3	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	53.2	52.0	106	104	70-137	2	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	52.6	51.0	105	102	80-121	3	20		
1,3-Dichlorobenzene	ug/L	<0.35	50	50	53.8	52.3	108	105	70-130	3	20		

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QUALITY CONTROL DATA

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2506344		2506345		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40257008001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,4-Dichlorobenzene	ug/L	<0.89	50	50	49.6	48.2	99	96	70-130	3	20		
Benzene	ug/L	<0.30	50	50	52.1	51.0	104	102	70-130	2	20		
Bromodichloromethane	ug/L	<0.42	50	50	51.9	51.1	104	102	70-130	1	20		
Bromoform	ug/L	<3.8	50	50	51.5	50.9	103	102	70-133	1	20		
Bromomethane	ug/L	<1.2	50	50	42.0	42.3	84	85	21-149	1	22		
Carbon tetrachloride	ug/L	<0.37	50	50	59.4	58.2	119	116	80-146	2	20		
Chlorobenzene	ug/L	<0.86	50	50	53.8	52.2	108	104	70-130	3	20		
Chloroethane	ug/L	<1.4	50	50	47.4	46.5	95	93	52-165	2	20		
Chloroform	ug/L	<1.2	50	50	54.6	53.2	109	106	80-123	3	20		
Chloromethane	ug/L	<1.6	50	50	42.9	40.9	86	82	42-125	5	20		
cis-1,2-Dichloroethene	ug/L	1.2	50	50	53.1	52.4	104	102	70-130	1	20		
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	51.5	51.5	103	103	70-130	0	20		
Dibromochloromethane	ug/L	<2.6	50	50	49.5	48.4	99	97	70-130	2	20		
Dichlorodifluoromethane	ug/L	<0.46	50	50	24.1	22.1	48	44	25-121	8	20		
Ethylbenzene	ug/L	<0.33	50	50	56.2	54.8	112	110	80-121	3	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	54.1	52.1	108	104	70-130	4	20		
m&p-Xylene	ug/L	<0.70	100	100	109	104	109	104	70-130	4	20		
Methyl-tert-butyl ether	ug/L	<1.1	50	50	47.8	47.6	96	95	70-130	0	20		
Methylene Chloride	ug/L	<0.32	50	50	49.9	49.6	100	99	70-130	1	20		
o-Xylene	ug/L	<0.35	50	50	52.8	51.9	106	104	70-130	2	20		
Styrene	ug/L	<0.36	50	50	62.6	60.9	125	122	70-132	3	20		
Tetrachloroethene	ug/L	<0.41	50	50	53.4	51.5	107	103	70-130	4	20		
Toluene	ug/L	4.5	50	50	58.5	57.1	108	105	80-120	2	20		
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	53.0	53.3	106	107	70-130	0	20		
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	49.5	48.4	99	97	70-130	2	20		
Trichloroethene	ug/L	<0.32	50	50	52.3	51.8	105	104	70-130	1	20		
Trichlorofluoromethane	ug/L	<0.42	50	50	52.5	50.7	105	101	65-160	4	20		
Vinyl chloride	ug/L	0.54J	50	50	46.6	44.2	92	87	60-137	5	20		
1,2-Dichlorobenzene-d4 (S)	%						100	101	70-130				
4-Bromofluorobenzene (S)	%						104	103	70-130				
Toluene-d8 (S)	%						103	104	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

QC Batch:	435760	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40257008005, 40257008006, 40257008007, 40257008008, 40257008009, 40257008010, 40257008011, 40257008012, 40257008013, 40257008014, 40257008015

METHOD BLANK: 2506794 Matrix: Water
Associated Lab Samples: 40257008005, 40257008006, 40257008007, 40257008008, 40257008009, 40257008010, 40257008011, 40257008012, 40257008013, 40257008014, 40257008015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	01/17/23 10:09	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	01/17/23 10:09	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	01/17/23 10:09	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	01/17/23 10:09	
1,1-Dichloroethane	ug/L	<0.30	1.0	01/17/23 10:09	
1,1-Dichloroethene	ug/L	<0.58	1.0	01/17/23 10:09	
1,1-Dichloropropene	ug/L	<0.41	1.0	01/17/23 10:09	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	01/17/23 10:09	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	01/17/23 10:09	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	01/17/23 10:09	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	01/17/23 10:09	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	01/17/23 10:09	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	01/17/23 10:09	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	01/17/23 10:09	
1,2-Dichloroethane	ug/L	<0.29	1.0	01/17/23 10:09	
1,2-Dichloropropane	ug/L	<0.45	1.0	01/17/23 10:09	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	01/17/23 10:09	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	01/17/23 10:09	
1,3-Dichloropropane	ug/L	<0.30	1.0	01/17/23 10:09	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	01/17/23 10:09	
2,2-Dichloropropane	ug/L	<4.2	5.0	01/17/23 10:09	
2-Chlorotoluene	ug/L	<0.89	5.0	01/17/23 10:09	
4-Chlorotoluene	ug/L	<0.89	5.0	01/17/23 10:09	
Benzene	ug/L	<0.30	1.0	01/17/23 10:09	
Bromobenzene	ug/L	<0.36	1.0	01/17/23 10:09	
Bromochloromethane	ug/L	<0.36	5.0	01/17/23 10:09	
Bromodichloromethane	ug/L	<0.42	1.0	01/17/23 10:09	
Bromoform	ug/L	<3.8	5.0	01/17/23 10:09	
Bromomethane	ug/L	<1.2	5.0	01/17/23 10:09	
Carbon tetrachloride	ug/L	<0.37	1.0	01/17/23 10:09	
Chlorobenzene	ug/L	<0.86	1.0	01/17/23 10:09	
Chloroethane	ug/L	<1.4	5.0	01/17/23 10:09	
Chloroform	ug/L	<1.2	5.0	01/17/23 10:09	
Chloromethane	ug/L	<1.6	5.0	01/17/23 10:09	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	01/17/23 10:09	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	01/17/23 10:09	
Dibromochloromethane	ug/L	<2.6	5.0	01/17/23 10:09	
Dibromomethane	ug/L	<0.99	5.0	01/17/23 10:09	
Dichlorodifluoromethane	ug/L	<0.46	5.0	01/17/23 10:09	

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QUALITY CONTROL DATA

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

METHOD BLANK: 2506794

Matrix: Water

Associated Lab Samples: 40257008005, 40257008006, 40257008007, 40257008008, 40257008009, 40257008010, 40257008011, 40257008012, 40257008013, 40257008014, 40257008015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.1	5.0	01/17/23 10:09	
Ethylbenzene	ug/L	<0.33	1.0	01/17/23 10:09	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	01/17/23 10:09	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	01/17/23 10:09	
m&p-Xylene	ug/L	<0.70	2.0	01/17/23 10:09	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	01/17/23 10:09	
Methylene Chloride	ug/L	<0.32	5.0	01/17/23 10:09	
n-Butylbenzene	ug/L	<0.86	1.0	01/17/23 10:09	
n-Propylbenzene	ug/L	<0.35	1.0	01/17/23 10:09	
Naphthalene	ug/L	<1.1	5.0	01/17/23 10:09	
o-Xylene	ug/L	<0.35	1.0	01/17/23 10:09	
p-Isopropyltoluene	ug/L	<1.0	5.0	01/17/23 10:09	
sec-Butylbenzene	ug/L	<0.42	1.0	01/17/23 10:09	
Styrene	ug/L	<0.36	1.0	01/17/23 10:09	
tert-Butylbenzene	ug/L	<0.59	1.0	01/17/23 10:09	
Tetrachloroethene	ug/L	<0.41	1.0	01/17/23 10:09	
Toluene	ug/L	<0.29	1.0	01/17/23 10:09	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	01/17/23 10:09	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	01/17/23 10:09	
Trichloroethene	ug/L	<0.32	1.0	01/17/23 10:09	
Trichlorofluoromethane	ug/L	<0.42	1.0	01/17/23 10:09	
Vinyl chloride	ug/L	<0.17	1.0	01/17/23 10:09	
1,2-Dichlorobenzene-d4 (S)	%	97	70-130	01/17/23 10:09	
4-Bromofluorobenzene (S)	%	105	70-130	01/17/23 10:09	
Toluene-d8 (S)	%	102	70-130	01/17/23 10:09	

LABORATORY CONTROL SAMPLE: 2506795

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.2	110	70-134	
1,1,1,2-Tetrachloroethane	ug/L	50	59.3	119	69-130	
1,1,2-Trichloroethane	ug/L	50	60.5	121	70-130	
1,1-Dichloroethane	ug/L	50	73.2	146	70-130	L1
1,1-Dichloroethene	ug/L	50	46.0	92	74-131	
1,2,4-Trichlorobenzene	ug/L	50	47.4	95	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.0	98	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	56.9	114	70-130	
1,2-Dichlorobenzene	ug/L	50	50.6	101	70-130	
1,2-Dichloroethane	ug/L	50	61.5	123	70-137	
1,2-Dichloropropane	ug/L	50	62.5	125	80-121	L1
1,3-Dichlorobenzene	ug/L	50	52.9	106	70-130	
1,4-Dichlorobenzene	ug/L	50	50.1	100	70-130	
Benzene	ug/L	50	56.5	113	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

LABORATORY CONTROL SAMPLE: 2506795

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	50	58.1	116	70-130	
Bromoform	ug/L	50	49.3	99	70-130	
Bromomethane	ug/L	50	22.8	46	21-147	
Carbon tetrachloride	ug/L	50	57.8	116	80-146	
Chlorobenzene	ug/L	50	52.8	106	70-130	
Chloroethane	ug/L	50	45.1	90	52-165	
Chloroform	ug/L	50	58.8	118	80-123	
Chloromethane	ug/L	50	47.8	96	51-122	
cis-1,2-Dichloroethene	ug/L	50	58.6	117	70-130	
cis-1,3-Dichloropropene	ug/L	50	56.8	114	70-130	
Dibromochloromethane	ug/L	50	57.7	115	70-130	
Dichlorodifluoromethane	ug/L	50	41.6	83	25-121	
Ethylbenzene	ug/L	50	54.7	109	80-120	
Isopropylbenzene (Cumene)	ug/L	50	53.4	107	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	53.5	107	70-130	
Methylene Chloride	ug/L	50	41.5	83	70-130	
o-Xylene	ug/L	50	53.1	106	70-130	
Styrene	ug/L	50	56.0	112	70-130	
Tetrachloroethene	ug/L	50	52.1	104	70-130	
Toluene	ug/L	50	53.6	107	80-120	
trans-1,2-Dichloroethene	ug/L	50	64.9	130	70-130	
trans-1,3-Dichloropropene	ug/L	50	63.4	127	70-130	
Trichloroethene	ug/L	50	57.4	115	70-130	
Trichlorofluoromethane	ug/L	50	44.8	90	65-160	
Vinyl chloride	ug/L	50	46.8	94	63-134	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			110	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2507172 2507173

Parameter	Units	40257100002 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Spike Conc.	MSD Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	<0.00030 mg/L	50	50	57.2	55.4	114	111	70-134	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.00038 mg/L	50	50	58.5	57.7	117	115	61-135	1	20	
1,1,2-Trichloroethane	ug/L	<0.00034 mg/L	50	50	61.4	58.0	123	116	70-130	6	20	
1,1-Dichloroethane	ug/L	<0.00030 mg/L	50	50	73.8	72.4	148	145	70-130	2	20	M0
1,1-Dichloroethene	ug/L	<0.00058 mg/L	50	50	46.9	46.3	94	93	71-130	1	20	
1,2,4-Trichlorobenzene	ug/L	<0.00095 mg/L	50	50	49.1	46.9	98	94	68-131	5	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

Parameter	Units	40257100002		2507172		2507173		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
1,2-Dibromo-3-chloropropane	ug/L	<0.0024 mg/L	50	50	47.1	47.3	94	95	51-141	0	20		
1,2-Dibromoethane (EDB)	ug/L	<0.00031 mg/L	50	50	55.9	54.0	112	108	70-130	3	20		
1,2-Dichlorobenzene	ug/L	<0.00033 mg/L	50	50	51.5	50.0	103	100	70-130	3	20		
1,2-Dichloroethane	ug/L	<0.00029 mg/L	50	50	61.5	59.9	123	120	70-137	3	20		
1,2-Dichloropropane	ug/L	<0.00045 mg/L	50	50	63.5	60.8	127	122	80-121	4	20	M0	
1,3-Dichlorobenzene	ug/L	<0.00035 mg/L	50	50	53.6	50.9	107	102	70-130	5	20		
1,4-Dichlorobenzene	ug/L	<0.00089 mg/L	50	50	51.4	49.3	103	99	70-130	4	20		
Benzene	ug/L	<0.00030 mg/L	50	50	57.7	56.4	115	113	70-130	2	20		
Bromodichloromethane	ug/L	<0.00042 mg/L	50	50	59.9	55.7	120	111	70-130	7	20		
Bromoform	ug/L	<0.0038 mg/L	50	50	48.8	46.9	98	94	70-133	4	20		
Bromomethane	ug/L	<0.0012 mg/L	50	50	22.1	24.0	44	48	21-149	8	22		
Carbon tetrachloride	ug/L	<0.00037 mg/L	50	50	59.0	57.6	118	115	80-146	2	20		
Chlorobenzene	ug/L	<0.00086 mg/L	50	50	54.1	51.6	108	103	70-130	5	20		
Chloroethane	ug/L	<0.0014 mg/L	50	50	46.5	47.1	93	94	52-165	1	20		
Chloroform	ug/L	<0.0012 mg/L	50	50	59.6	57.6	119	115	80-123	3	20		
Chloromethane	ug/L	<0.0016 mg/L	50	50	52.1	52.2	104	104	42-125	0	20		
cis-1,2-Dichloroethene	ug/L	<0.00047 mg/L	50	50	59.3	58.8	119	118	70-130	1	20		
cis-1,3-Dichloropropene	ug/L	<0.00036 mg/L	50	50	57.7	54.9	115	110	70-130	5	20		
Dibromochloromethane	ug/L	<0.0026 mg/L	50	50	59.2	55.6	118	111	70-130	6	20		
Dichlorodifluoromethane	ug/L	<0.00046 mg/L	50	50	50.4	49.4	101	99	25-121	2	20		
Ethylbenzene	ug/L	<0.00033 mg/L	50	50	55.1	54.2	110	108	80-121	2	20		
Isopropylbenzene (Cumene)	ug/L	<0.0010 mg/L	50	50	53.5	52.2	107	104	70-130	2	20		
m&p-Xylene	ug/L	<0.00070 mg/L	100	100	105	101	105	101	70-130	5	20		
Methyl-tert-butyl ether	ug/L	<0.0011 mg/L	50	50	54.1	52.0	108	104	70-130	4	20		
Methylene Chloride	ug/L	<0.00032 mg/L	50	50	43.1	41.8	86	84	70-130	3	20		
o-Xylene	ug/L	<0.00035 mg/L	50	50	53.4	52.0	107	104	70-130	3	20		
Styrene	ug/L	<0.00036 mg/L	50	50	57.3	54.7	115	109	70-132	5	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

Parameter	Units	40257100002		2507172		2507173		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Tetrachloroethene	ug/L	<0.00041 mg/L	50	50	54.1	53.6	108	107	70-130	1	20			
Toluene	ug/L	<0.00029 mg/L	50	50	54.3	52.8	109	106	80-120	3	20			
trans-1,2-Dichloroethene	ug/L	<0.00053 mg/L	50	50	66.4	65.8	133	132	70-130	1	20	M1		
trans-1,3-Dichloropropene	ug/L	<0.00035 mg/L	50	50	64.0	60.1	128	120	70-130	6	20			
Trichloroethene	ug/L	<0.00032 mg/L	50	50	57.8	57.4	116	115	70-130	1	20			
Trichlorofluoromethane	ug/L	<0.00042 mg/L	50	50	46.4	45.5	93	91	65-160	2	20			
Vinyl chloride	ug/L	<0.00017 mg/L	50	50	50.9	49.9	102	100	60-137	2	20			
1,2-Dichlorobenzene-d4 (S)	%						96	98	70-130					
4-Bromofluorobenzene (S)	%						108	110	70-130					
Toluene-d8 (S)	%						102	101	70-130					

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QUALITY CONTROL DATA

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

QC Batch: 435728

Analysis Method: SM 5310C

QC Batch Method: SM 5310C

Analysis Description: 5310C Total Organic Carbon

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40257008001, 40257008003, 40257008004, 40257008013

METHOD BLANK: 2506674

Matrix: Water

Associated Lab Samples: 40257008001, 40257008003, 40257008004, 40257008013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.14	0.50	01/17/23 09:30	

LABORATORY CONTROL SAMPLE: 2506675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	13.1	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2506676 2506677

Parameter	Units	40256958001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	0.20J	6	6	6.0	6.1	96	99	80-120	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2506678 2506679

Parameter	Units	40256958002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	0.18J	6	6	6.1	6.2	99	100	80-120	1	10	

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QUALIFIERS

Project: 58187103 SMOKEOUT CLEANERS

Pace Project No.: 40257008

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58187103 SMOKEOUT CLEANERS
Pace Project No.: 40257008

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40257008001	MW-1	EPA 8015B Modified	436249		
40257008003	MW-3	EPA 8015B Modified	436249		
40257008004	MW-4	EPA 8015B Modified	436249		
40257008013	BD1	EPA 8015B Modified	436249		
40257008001	MW-1	EPA 6010D	435697		
40257008003	MW-3	EPA 6010D	435697		
40257008004	MW-4	EPA 6010D	435697		
40257008013	BD1	EPA 6010D	435697		
40257008001	MW-1	EPA 8260	435632		
40257008002	MW-2	EPA 8260	435632		
40257008003	MW-3	EPA 8260	435632		
40257008004	MW-4	EPA 8260	435632		
40257008005	MW-5	EPA 8260	435760		
40257008006	MW-6	EPA 8260	435760		
40257008007	MW-7	EPA 8260	435760		
40257008008	MW-8	EPA 8260	435760		
40257008009	MW-9	EPA 8260	435760		
40257008010	MW-10	EPA 8260	435760		
40257008011	PZ-1	EPA 8260	435760		
40257008012	PZ-2	EPA 8260	435760		
40257008013	BD1	EPA 8260	435760		
40257008014	BD2	EPA 8260	435760		
40257008015	HCL TRIP BLANK	EPA 8260	435760		
40257008001	MW-1	SM 5310C	435728		
40257008003	MW-3	SM 5310C	435728		
40257008004	MW-4	SM 5310C	435728		
40257008013	BD1	SM 5310C	435728		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40257008

Company: Totolon Billing Information:

Address: 9856 S 57th St

Report To: Scott Hodgson Email To: Scott Hodgson / Ryan Johnson

Copy To: Ryan Johnson Site Collection Info/Address:

Customer Project Name/Number: Smokeout Cleaners / 58187103 State: WI / Howard County/City: Howard Time Zone Collected: [] PT [] MT [] ET

Phone: _____ Site/Facility ID #: _____ Compliance Monitoring? [] Yes [X] No

Collected By (print): Ryan Johnson Purchase Order #: _____ DW PWS ID #: _____

Collected By (signature): _____ Quote #: _____ DW Location Code: _____

Sample Disposal: [X] Dispose as appropriate [] Return Rush: [] Same Day [] Next Day Field Filtered (if applicable): [X] Yes [] No

[] Archive. [] 2 Day [] 3 Day [] 4 Day [] 5 Day Analysis: Iron (dissolved)

[] Hold: (Expedite Charges Apply)

ALL SHADED AREAS are for LAB USE ONLY

Container Preservative Type **

3	3	2	1
---	---	---	---

Lab Project Manager: _____

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses				Lab Profile/Line:	
UACs	MEE (Methane, Ethane)	TOC	Dissolved Iron	Lab Sample Receipt Checklist:	
				Custody Seals Present/Intact <u>Y</u> <u>N</u> <u>NA</u>	
				Custody Signatures Present <u>Y</u> <u>N</u> <u>NA</u>	
				Collector Signature Present <u>Y</u> <u>N</u> <u>NA</u>	
				Bottles Intact <u>Y</u> <u>N</u> <u>NA</u>	
				Correct Bottles <u>Y</u> <u>N</u> <u>NA</u>	
				Sufficient Volume <u>Y</u> <u>N</u> <u>NA</u>	
				Samples Received on Ice <u>Y</u> <u>N</u> <u>NA</u>	
				VOA Headspace Acceptable <u>Y</u> <u>N</u> <u>NA</u>	
				USDA Regulated Soils <u>Y</u> <u>N</u> <u>NA</u>	
Samples in Holding Time <u>Y</u> <u>N</u> <u>NA</u>					
Residual Chlorine Present <u>Y</u> <u>N</u> <u>NA</u>					
Cl Strips: _____					
Sample pH Acceptable <u>Y</u> <u>N</u> <u>NA</u>					
pH Strips: _____					
Sulfide Present <u>Y</u> <u>N</u> <u>NA</u>					
Lead Acetate Strips: _____					

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
MW-1	GW	G	11/23	11:55	1220			
MW-2				11:10				
MW-3				11:55				
MW-4				1205				
MW-5				8:55				
MW-6				10:00				
MW-7			11/23	9:55	1540			
MW-8				9:42	1400			
MW-9				9:54	1445			
MW-10				9:44	1130			

UACs	MEE (Methane, Ethane)	TOC	Dissolved Iron	001	002	003	004	005	006	007	008	009	010
X	X	X	X										
X													
X	X	X	X										
X													
X													
X													
X													
X													
X													

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used: Bubble wrap and bags

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 2823918

Samples received via: (Client) Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: 132

Cooler 1 Temp Upon Receipt: 0.5 °C

Cooler 1 Therm Corr. Factor: 0 °C

Cooler 1 Corrected Temp: 0.5 °C

Comments:

Relinquished by/Company: (Signature) [Signature] Date/Time: 11/23 13:01

Relinquished by/Company: (Signature) _____ Date/Time: _____

Relinquished by/Company: (Signature) _____ Date/Time: _____

Received by/Company: (Signature) Matt Vandenberg Pace Date/Time: 11/23 13:01

Received by/Company: (Signature) _____ Date/Time: _____

Received by/Company: (Signature) _____ Date/Time: _____

MTJL LAB USE ONLY

Table #: _____

Acctnum: _____

Template: _____

Prelogin: _____

PM: _____

PB: _____

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): Page 55 of 58

YES / NO of: 2



CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40257008

ALL SHADED AREAS are for LAB USE ONLY

Company: _____ Billing Information: _____
 Address: _____
 Report To: **SAM** Email To: _____
 Copy To: _____ Site Collection Info/Address: _____

Container Preservative Type **
 3 3 2 1
 Lab Project Manager: _____
 ** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Customer Project Name/Number: _____ State: 1 County/City: _____ Time Zone Collected: [] PT [] MT [] CT [] ET
 Phone: _____ Site/Facility ID #: _____ Compliance Monitoring? [] Yes [] No
 Email: **AS Page 1**
 Collected By (print): **Ryan Johnson** Purchase Order #: _____ DW PWS ID #: _____
 Quote #: _____ DW Location Code: _____
 Collected By (signature): _____ Turnaround Date Required: _____ Immediately Packed on Ice: [] Yes [] No
 Sample Disposal: _____ Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)
 Field Filtered (if applicable): [] Yes [] No
 Analysis: _____

Analyses				Lab Profile/Line:	
				Lab Sample Receipt Checklist:	
				Custody Seals Present/Intact Y N NA	
				Custody Signatures Present Y N NA	
				Collector Signature Present Y N NA	
				Bottles Intact Y N NA	
				Correct Bottles Y N NA	
				Sufficient Volume Y N NA	
				Samples Received on Ice Y N NA	
				VOA - Headspace Acceptable Y N NA	
				USDA Regulated Soils Y N NA	
				Samples in Holding Time Y N NA	
				Residual Chlorine Present Y N NA	
				Cl Strips: _____	
				Sample pH Acceptable Y N NA	
				pH Strips: _____	
				Sulfide Present Y N NA	
				Lead Acetate Strips: _____	

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
P2-1	GW	6	11/12/23	9:37 AM	1600			
P2-2				4:37 PM	1220			
B01			11/12/23	-				
B02				-				
HCL Trip Blank			11/12/23	-				

UCCS	MEE	TOL	Dissolved Iron
X			
X			
X	X	X	X
X			
X			

Customer Remarks / Special Conditions / Possible Hazards: _____
 Type of Ice Used: Wet Blue Dry None
 Packing Material Used: **Bubble wrap and bags**
 Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A
 Lab Tracking #: **2823917**
 Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
 Temp Blank Received: Y N NA
 Therm ID#: **132**
 Cooler 1 Temp Upon Receipt: **0.5** oC
 Cooler 1 Therm Corr. Factor: **0** oC
 Cooler 1 Corrected Temp: **0.5** oC
 Comments: _____

Relinquished by/Company: (Signature) _____ Date/Time: **11/12 13:01**
 Received by/Company: (Signature) **Matt Johnson** Date/Time: **01/12/2023 13:01**
 Relinquished by/Company: (Signature) _____ Date/Time: _____
 Received by/Company: (Signature) _____ Date/Time: _____
 Relinquished by/Company: (Signature) _____ Date/Time: _____
 Received by/Company: (Signature) _____ Date/Time: _____

MTJL LAB USE ONLY
 Table #: _____
 Acctnum: _____
 Template: _____
 Prelogin: _____
 PM: _____
 PB: _____

Trip Blank Received: Y N NA
 HCL MeOH TSP Other
 Non Conformance(s): **Page 58 of 58**
 YES / NO of: **2**

Client Name: Terracon

Sample Preservation Receipt Form
Project # 40257008

All containers needing preservation have been checked and noted below.

Yes No N/A

Initial when completed [Signature] Date/Time

Lab Lot# of pH paper. 10D0722

Lab Std #ID of preservation (if pH adjusted).

Pace Lab #	Glass						Plastic						Vials					Jars				General				VOA Vials (>6mm) *	H ₂ SO ₄ pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO ₃ pH ≤2	pH after adjusted	Volume (mL)		
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC								GN 1	GN 2
001			-							-						36																		2.5 / 5
002																36																		2.5 / 5
003			-							-						36																		2.5 / 5
004			-							-						36																		2.5 / 5
005																36																		2.5 / 5
006																36																		2.5 / 5
007																36																		2.5 / 5
008																36																		2.5 / 5
009																36																		2.5 / 5
010																36																		2.5 / 5
011																36																		2.5 / 5
012																36																		2.5 / 5
013			-							-						36																		2.5 / 5
014																36																		2.5 / 5
015																36																		2.5 / 5
016																36																		2.5 / 5
017																36																		2.5 / 5
018																36																		2.5 / 5
019																36																		2.5 / 5
020																36																		2.5 / 5

Exceptions to preservation check VOC, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other _____

Headspace in VOA Vials (>6mm) Yes No N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres	
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres	
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres	
AG4S	125 mL amber glass H ₂ SO ₄	BP3N	250 mL plastic HNO ₃	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres	
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H ₂ SO ₄	VG9M	40 mL clear vial MeOH		SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H ₂ SO ₄	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI		ZPLC	ziploc bag
BG3U	250 mL clear glass unpres						GN 1	
							GN 2	

Sample Condition Upon Receipt Form (SCUR)

Project #: _____

Client Name: Terracon

WO#: **40257008**

Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____



Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - 132 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr: 0.5 /Corr: 0.5

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 01/12/23 /Initials: SW
 Labeled By Initials: NK

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>Billing, Ph#</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay</u> , Pace IR, Non-Pace		
Containers Intact:	<input type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>009 - time 1453</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>1/12/23 NK</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>492</u>		

Client Notification/ Resolution: _____
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____