



November 7, 2023

Mr. Matt Thompson, Project Manager
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
1300 West Clairemont Avenue
Eau Claire, WI 54701-6127

Re: Dun-Rite Cleaners
1008 Union Street
Stevens Point, Wisconsin
WDNR BRRTS No. 02-50-000577

Subject: Fall 2023 Groundwater and Vapor Results

Dear Mr. Thompson:

The purpose of this letter is to summarize the results of groundwater, soil vapor, and ambient air samples collected at and near the above-referenced site during October 2023. The samples were collected as part of environmental investigations associated with the Dun-Rite Cleaners site (the Site/Dun-Rite). The investigation is focused on chlorinated volatile organic compounds (VOCs), specifically tetrachloroethene (PCE) and trichloroethene (TCE).

The site location is indicated on **Figure 1**.

Work Performed

Sub-slab vapor and ambient air samples were collected on October 6, 2023, from the Dun-Rite building, the Guzman office building, and the blower station.

Also on October 6, the depths to water was measured in the monitoring wells, and a laser level was used to survey the elevations of the well tops and rims of protective covers.

Depths to water was measured from all monitoring wells, and groundwater samples were collected from monitoring wells GP-11, GP-12, and MWG-1 on October 12, 2023.

The sub-slab mitigation system operated continuously on timed operation of 12 hours on/12 hours off since the spring monitoring event. Note that the operating interval was changed back to 12 hours (from eight) when the timer was reset during the fall 2022 sampling event.

Results

Vapor

Vapor sample results are summarized on **Tables 1a, 1b, and 1c**; sample locations and PCE results are shown on **Figure 2**. The **laboratory report** is enclosed.

Ambient air samples from the Guzman office building (AA405, AA406, AA407, and AA408) were below Small Commercial Action Levels for PCE and TCE (Action Levels are 180 micrograms per cubic meter [$\mu\text{g}/\text{m}^3$] and $8.8 \mu\text{g}/\text{m}^3$, respectively). PCE concentrations ranged from $3.1 \mu\text{g}/\text{m}^3$ in the lobby sample (AA406) to $49.4 \mu\text{g}/\text{m}^3$ in the outdoor sample (AA405). TCE concentrations ranged from $<1.22 \mu\text{g}/\text{m}^3$ in the outdoor sample to $1.8 \mu\text{g}/\text{m}^3$ in the NW Office (AA407).

The sub-slab samples collected from beneath the Guzman and Dun-Rite buildings were below the Small Commercial Sub-Slab Vapor Screening Levels of $5,800 \mu\text{g}/\text{m}^3$ for PCE and $290 \mu\text{g}/\text{m}^3$ for TCE. PCE concentrations ranged from $403 \mu\text{g}/\text{m}^3$ in a sample from the Dun-Rite building (SSV203) to $5,760 \mu\text{g}/\text{m}^3$ in the sample collected from beneath the SW office of the Guzman building (SSV405). TCE ranged from $2.9 \mu\text{g}/\text{m}^3$ in SSV203 to $131 \mu\text{g}/\text{m}^3$ in SSV405.

The Blower Exhaust sample had a PCE concentration of $6.0 \mu\text{g}/\text{m}^3$ and a TCE concentration below the method detection limit.

Groundwater

The well tops were resurveyed because the PVC well tops at GP-11 and GP-12 were trimmed to allow watertight plugs to fit beneath the protective cover. The need for trimming is attributed to frost action and settling processes. The well top elevation at GP-11 was reduced by 0.08 feet, and the elevation at GP-12 was reduced by 0.06 feet. The revised elevations were used to calculate the groundwater elevations after the fall 2022 monitoring event. Well locations are shown on **Figure 3**. Water elevations are included in **Table 2** and are presented graphically in **Chart 1**.

The PCE concentrations in all samples were above its Enforcement Standard (ES) of 5.0 micrograms per liter ($\mu\text{g}/\text{l}$): GP-11 = $839 \mu\text{g}/\text{l}$, GP-12 = $104 \mu\text{g}/\text{l}$, and MWG-1 = $34.9 \mu\text{g}/\text{l}$. TCE was above ES ($5.0 \mu\text{g}/\text{l}$) in the sample from GP-11 ($8.6 \mu\text{g}/\text{l}$), above Preventive Action Limit (PAL) ($0.5 \mu\text{g}/\text{l}$) in GP-12 ($1.9 \mu\text{g}/\text{l}$), and below detection limit ($<0.32 \mu\text{g}/\text{l}$) in MWG-1. Groundwater chemistry results are summarized on **Table 2**; historic PCE results are displayed graphically on **Chart 2**. The **laboratory report** is enclosed.

Evaluation

Vapor

The results of the ambient air samples continue to show that vapor intrusion above Small Commercial Indoor Action Levels is not occurring in the Guzman office building.

The sub-slab results show that the sub-slab mitigation system in the Dun-Rite building is effective at reducing sub-slab concentrations of PCE beneath the building. The sub-slab results from the Guzman office building show that elevated PCE and TCE concentrations persist beneath the building, but that concentrations are decreasing over time.

The anomalously high PCE concentration reported for the Outdoor ambient air sample (AA405) is considered spurious. The result is inconsistent with past results and the current indoor ambient results, and it is unclear how an apparent spot-source of PCE could occur outdoors. Although nothing untoward was observed near the canister during the sampling duration, it was noted that the pressure gauge on the Summa canister indicated a slower-than-designed decrease in vacuum. The pressure gauge reading

at the end of the 8-hour sampling period was -18 inches of mercury, rather than near zero as is typical. Upon sample receipt, the laboratory recorded a canister pressure of zero (i.e., ambient pressure), which they noted as different from the field value. It appears that the sampling regulator or pressure gauge malfunctioned during sampling, but it is unclear how that may have contributed to the elevated PCE concentration.

Groundwater

The PCE in all monitoring wells had higher concentrations than during the spring sampling event, but the fall concentrations are consistent with historic patterns. During this most recent sampling event, GP-11 had the highest PCE concentration and the concentrations in GP-12 and MWG-1 were notably lower. Historically, during sampling events when GP-12 and MWG-1 have higher concentrations, GP-11 PCE concentrations are low. This is interpreted to indicate that the PCE plume is narrow, and hence that the lateral extent of residual PCE is small.

Recommendations

The blower system in the Dun-Rite building, which is unoccupied, should continue to run for 12 hours per day.

Subsurface concentrations of PCE and TCE will continue to be monitored semiannually, unless changed circumstances warrant a different schedule. Therefore, sub-slab vapors, ambient air, and groundwater samples will be collected in spring 2024. Soil vapor samples will be collected from beneath the Dun-Rite building and Guzman office building, and indoor ambient air samples will be collected from within the Guzman office building. Groundwater samples will be collected from GP-11, GP-12, and MWG-1.

If you have any questions on the work that was performed or the Site in general, please contact me at 715.824.5169 or pete.arntsen@sandcountyenvironmental.com.

Sincerely,

SAND COUNTY ENVIRONMENTAL, INC.



Pete Arntsen, MS, PH, PG
Project Manager/Senior Hydrogeologist

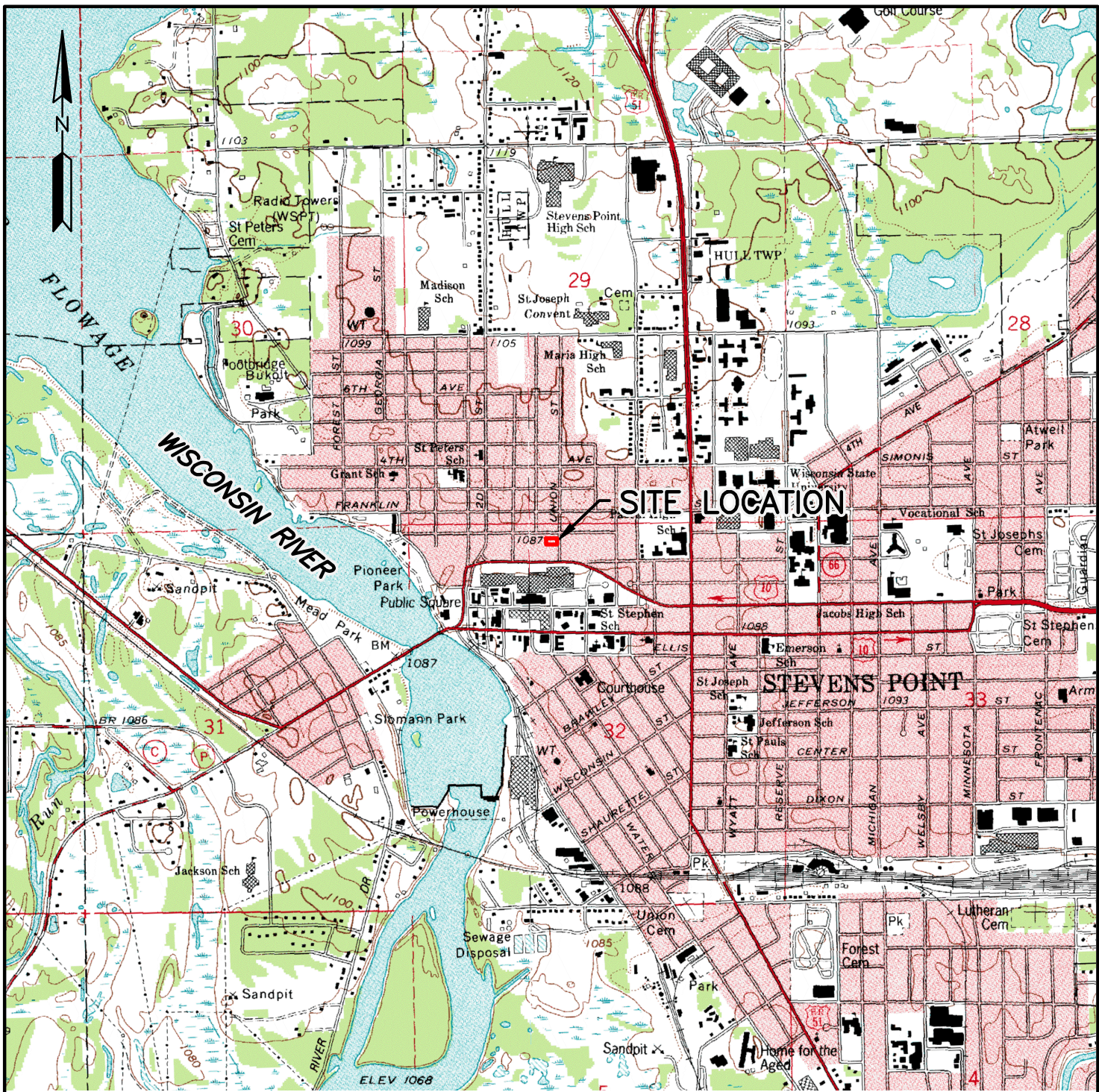
Via email

Enclosures: Figures 1 through 3
Tables 1a, 1b, 1c, and 2
Charts 1 and 2
Laboratory Reports

cc/enc: Mr. Richard Lewandowski/Husch Blackwell LLP, via email
Mr. Patrick Arendt/Noonan Arendt LLP, via email
Ms. Joy Hannemann/Merge Development, via email
Wisconsin Department of Natural Resource, via RR Submittal Portal

Figures

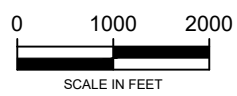
- Figure 1** **General Site Location**
- Figure 2** **Vapor Sample Locations and PCE Results October 2023**
- Figure 3** **Groundwater Sample Locations and Results October 2023**



REFERENCE:
USGS 7.5 MIN. STEVENS POINT, WISCONSIN
TOPOGRAPHIC QUADRANGLE.



WISCONSIN
PORTAGE COUNTY



GENERAL SITE LOCATION

DUN-RITE CLEANERS
1008 UNION STREET
STEVENS POINT, WISCONSIN

DATE: NOVEMBER 2023 DRAWN BY: ASR

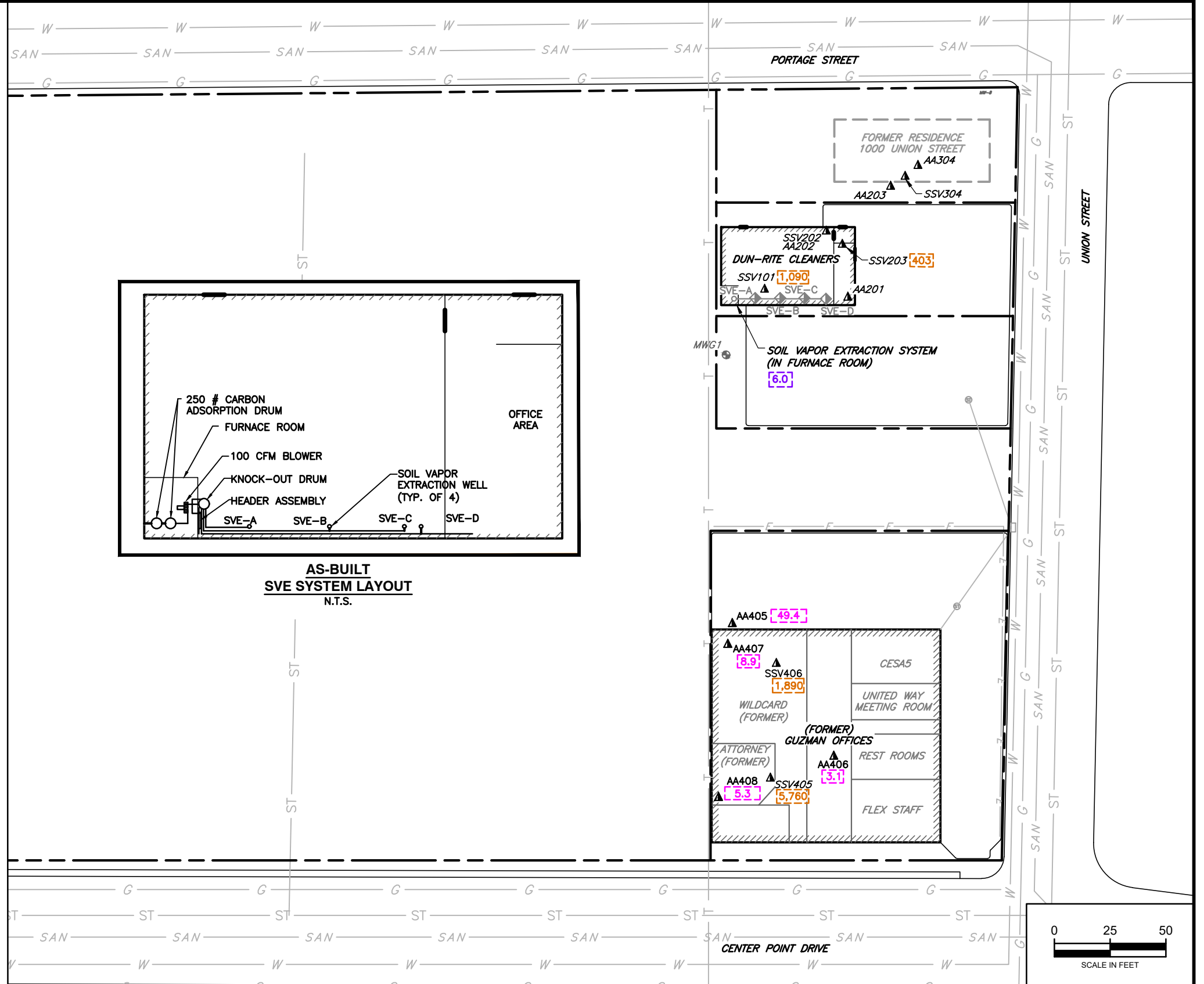
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FIGURE 1



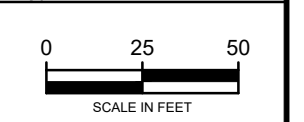
LEGEND

- PROPERTY BOUNDARY
- EDGE OF PAVEMENT
- W --- WATER LINE
- G --- GAS LINE
- SAN --- SANITARY SEWER
- ST --- STORM SEWER
- T --- UNDERGROUND TELEPHONE
- E --- E --- ELECTRIC (PRIVATE)
- ☐ CATCH BASIN
- ⊕ STORM SEWER MANHOLE
- ▭ BUILDING
- ▲ SUB-SLAB VAPOR (SSV) AND/OR AMBIENT AIR (AA) SAMPLE
- ◆ SOIL GAS EXTRACTION LOCATION
- 322 AMBIENT AIR PCE CONCENTRATIONS ($\mu\text{G}/\text{M}^3$) OCTOBER 6, 2023
- 4.7 SUB-SLAB VAPOR PCE CONCENTRATIONS ($\mu\text{G}/\text{M}^3$) OCTOBER 6, 2023
- 213 BLOWER OUTLET PCE CONCENTRATIONS ($\mu\text{G}/\text{M}^3$) OCTOBER 6, 2023
- J ANALYTE WAS DETECTED BUT IS BLEW THE REPORTING LIMIT. THE CONCENTRATION IS ESTIMATED.
- <0.37 ANALYTE WAS NOT DETECTED



NOTES

EXISTING CONDITIONS AND EXISTING MONITORING WELL LOCATIONS TAKEN FROM SITE PLAN BY AECOM DATED SEPTEMBER 2013, JANUARY 2014 AND DIGITIZED PORTAGE COUNTY GIS 2010 AIR PHOTO

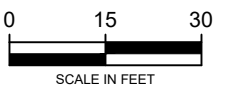


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FIGURE 2



**GROUNDWATER
SAMPLE
LOCATIONS AND
RESULTS
OCTOBER 2023**



DUN-RITE CLEANERS
1008 UNION STREET
STEVENS POINT
WISCONSIN

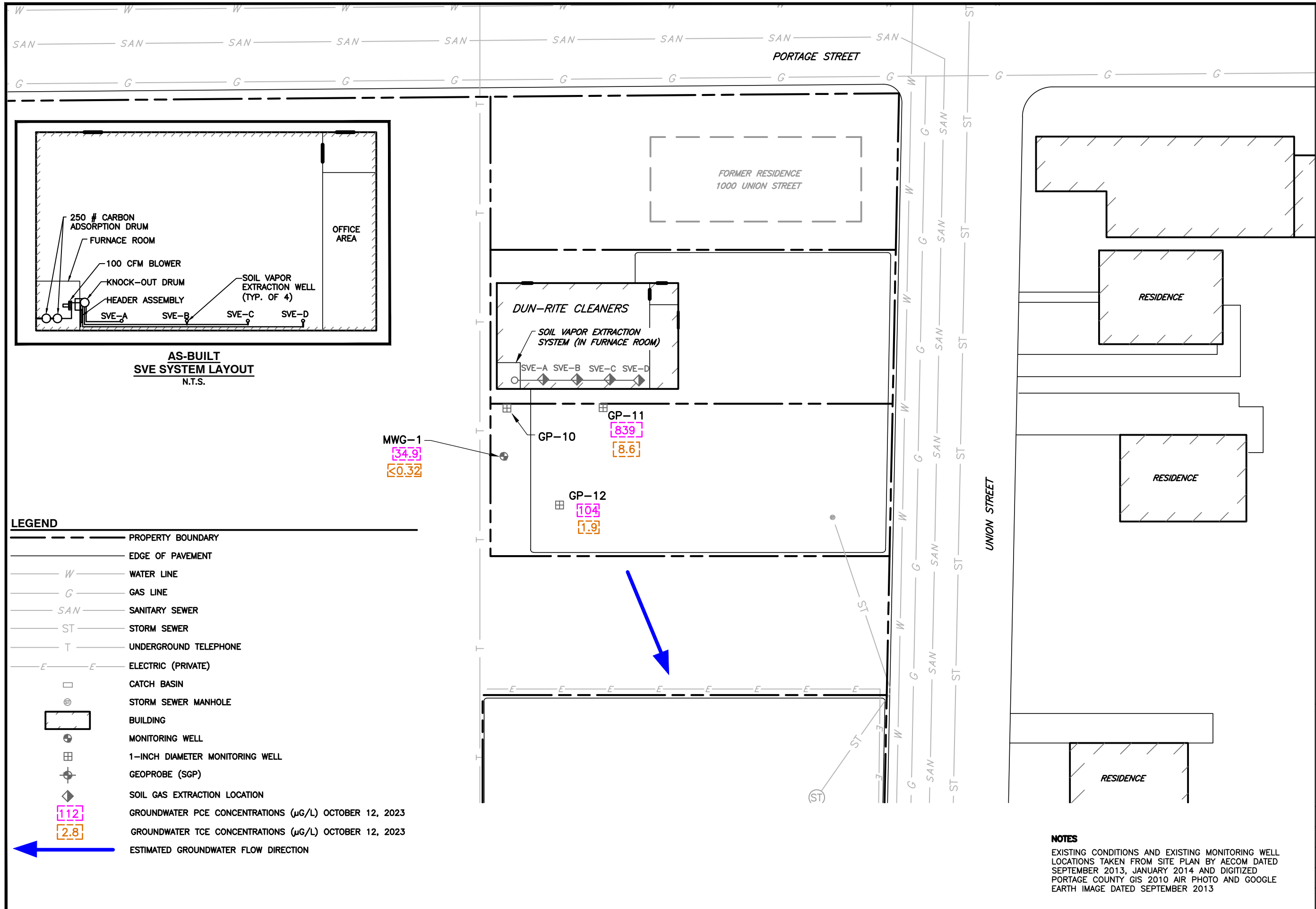
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FIGURE 3



Tables

Table 1	Vapor Sample Results
	Table 1a Vapor Chemistry Results – Ambient Air
	Table 1b Vapor Chemistry Results – Sub-Slab Vapor
	Table 1c Vapor Chemistry Results – SVE System Discharge
Table 2	Groundwater Chemistry Results

Table 1a
Vapor Chemistry Results - Ambient Air
Dun-Rite Cleaners
1008 Union Street
Stevens Point, Wisconsin

Ambient Air Samples ($\mu\text{g}/\text{m}^3$)				
Sample ID	Location	Date	Tetrachloroethene (PCE)	Trichloroethene (TCE)
Indoor Air Vapor Action Levels¹				
Small Commercial			180	8.8
AA201	Dun-Rite	5/29/2014	1,940	63
	Dun-Rite	9/4/2015	2,780	73
AA202	Dun-Rite	5/29/2014	1,990	66
AA203	Outdoor	5/29/2014	13	<0.076
	Outdoor	10/22/2020	<0.46	<0.24
	Outdoor	5/12/2022	0.86 J	<0.32
AA304	Residence	7/18/2014	2.5	<0.85
	Residence	3/2/2015	35	<0.25
	Residence	9/4/2015	22	3.0
	Residence	11/9/2015	2.4	<0.41
	Residence	4/6/2016	<0.39	0.52 J
	Residence	10/5/2016	0.64 J	<0.41
	Residence	6/20/2017	<0.40	0.44 J
	Residence	11/16/2017	<0.43	0.81 J
	Residence	5/18/2018	<0.43	<0.40
	Residence	11/2/2018	1.6	<0.45
	Residence	6/7/2019	<0.45	<0.37
	Residence	9/23/2019	<0.49	<0.39
	Residence	5/14/2020	0.52 J	<0.32
	Residence	10/22/2020	<0.49	<0.25
	Residence	4/22/2021	<0.41	<0.28
			Structure Razed	
AA405	Outdoor	9/19/2014	<1.2	<0.92
	Outdoor	2/27/2015	21	<0.38
	Outdoor	9/4/2015	2.3	<0.40
	Outdoor	10/5/2016	2.6	<0.41
	Outdoor	6/16/2017	<0.41	<0.41
	Outdoor	11/16/2017	0.99 J	8.9*
	Outdoor	5/18/2018	<0.44	<0.42
	Outdoor	11/2/2018	6.9	2.4
	Outdoor	6/7/2019	<0.44	<0.36
	Outdoor	9/23/2019	1.1	<0.38
	Outdoor	5/7/2020	<0.43	<0.36
	Outdoor	4/22/2021	<0.44	<0.29
	Outdoor	9/29/2021	<0.48	<0.32
	Outdoor	10/21/2022	<0.37	<0.36
	Outdoor	4/17/2023	<1.84	<1.22
Outdoor	10/6/2023	49.4	<1.22	

Table 1a
Vapor Chemistry Results - Ambient Air
Dun-Rite Cleaners
1008 Union Street
Stevens Point, Wisconsin

Ambient Air Samples ($\mu\text{g}/\text{m}^3$)				
Sample ID	Location	Date	Tetrachloroethene (PCE)	Trichloroethene (TCE)
Indoor Air Vapor Action Levels¹				
	Small Commercial		180	8.8
AA406	United Way	9/19/2014	2.1	1.3
	United Way	2/27/2015	74	3.0
	United Way	9/4/2015	4.7	2.0
	United Way	2/16/2016	7.6	5.0
	United Way	10/5/2016	44	5.8
	United Way	6/16/2017	4.0	1.5
	United Way	11/16/2017	8.2	6.2
	United Way	5/18/2018	5.1	2.1
	United Way	11/2/2018	4.8	<0.47
	United Way	6/7/2019	4.0	1.8
	United Way	9/23/2019	4.0	1.5
	United Way	5/7/2020	3.6	1.7
	Lobby	10/22/2020	11.8	5.1
	Lobby	4/22/2021	7.5	2.6
	Lobby	9/29/2021	6.1	4.8
	Lobby	5/12/2022	3.3	1.9
	Lobby	10/21/2022	4.2	2.0
	Lobby	4/17/2023	2.8	<1.22
	Lobby	10/6/2023	3.1	1.3
	AA407	NW Office	9/19/2014	4.0
NW Office		2/27/2015	83	1.5
NW Office		9/4/2015	10	1.1
NW Office		2/16/2016	11	4.4
NW Office		10/5/2016	12	3.0
NW Office		6/16/2017	3.0	0.45 J
NW Office		11/16/2017	7.6	5.0
NW Office		5/18/2018	6.8	1.3
NW Office		11/12/2108	3.5	<0.47
NW Office		6/7/2019	2.5	<0.36
NW Office		9/23/2019	10.9	1.3
NW Office		5/7/2020	6.3	0.94
NW Office		10/22/2020	14.5	0.80 J
NW Office		4/22/2021	12.2	1.9
NW Office		9/29/2021	3.7	0.56 J
NW Office		5/12/2022	3.0	0.77 J
NW Office		10/21/2022	6.7	1.7
NW Office		4/17/2023	4.4	<1.22
NW Office		10/6/2023	8.9	1.8

Table 1a
Vapor Chemistry Results - Ambient Air
Dun-Rite Cleaners
1008 Union Street
Stevens Point, Wisconsin

Ambient Air Samples ($\mu\text{g}/\text{m}^3$)				
Sample ID	Location	Date	Tetrachloroethene (PCE)	Trichloroethene (TCE)
Indoor Air Vapor Action Levels¹				
	Small Commercial		180	8.8
AA408	SW Office	9/19/2014	9.9	1.5
	SW Office	2/23/2015	22	2.1
	SW Office	9/4/2015	7.0	0.8
	SW Office	2/16/2016	3.3	3.5
	SW Office	10/5/2016	12	2.9
	SW Office	6/16/2017	2.9	<0.38
	SW Office	11/16/2017	22.4	118*
	SW Office	5/18/2018	12.2	3.4
	SW Office	11/2/2018	327^R	1.2
	SW Office	12/5/2018	5.6	<0.39
	SW Office	6/7/2019	21.3	0.54 J
	SW Office	9/23/2019	8.5	2.2
	SW Office	5/7/2020	6.0	0.95
	SW Office	10/22/2020	23.9	0.53 J
	SW Office	4/22/2021	13.3	1.8
	SW Office	9/29/2021	3.8	0.42 J
	SW Office	5/12/2022	8.4	1.1
	SW Office	10/21/2022	9.1	1.7
	SW Office	4/17/2023	<1.84	<1.22
	SW Office	10/6/2023	5.3	1.6

Table 1b
Vapor Chemistry Results - Sub-Slab Vapor
Dun-Rite Cleaners
1008 Union Street
Stevens Point, Wisconsin

Sub-Slab Vapor Samples ($\mu\text{g}/\text{m}^3$)				
Sample ID	Location	Date	Tetrachloroethene (PCE)	Trichloroethene (TCE)
Sub-Slab Vapor Screening Levels¹				
	Small Commercial		5,800	290
SSV101	Dun-Rite SW	4/8/2014	2,550,000	527
	Dun-Rite SW	9/4/2015	141,000	1780
	Dun-Rite SW	2/16/2016	5,030	28
	Dun-Rite SW	10/5/2016	5,480	33
	Dun-Rite SW	6/16/2017	1,030	9.0
	Dun-Rite SW	11/16/2017	452	3.2
	Dun-Rite SW	5/18/2018	2,460	13.6
	Dun-Rite SW	11/2/2018	266	1.2
	Dun-Rite SW	6/7/2019	3,570	13.6
	Dun-Rite SW	9/23/2019	1,430	<10.9
	Dun-Rite SW	5/7/2020	253	0.51 J
	Dun-Rite SW	10/22/2020	382	0.99
	Dun-Rite SW	4/22/2021	326	0.68 J
	Dun-Rite SW	9/29/2021	3,790	7.0
	Dun-Rite SW	5/12/2022	314	0.66 J
	Dun-Rite SW	10/21/2022	1,150	0.65 J
	Dun-Rite SW	4/17/2023	674	4.4
	Dun-Rite SW	10/6/2023	1,090	12.9
	SSV202	Dun-Rite NW	5/29/2014	1,700
Dun-Rite NW		9/4/2015	2,280	145
Dun-Rite NW		2/16/2016	275	7.1
SSV203	Dun-Rite NE	5/29/2014	27,600	<20
	Dun-Rite NE	11/4/2015	288	12
	Dun-Rite NE	10/5/2016	5,710	4.2
	Dun-Rite NE	6/16/2017	4,190	20
	Dun-Rite NE	11/16/2017	6,650	30.9
	Dun-Rite NE	5/18/2018	2,390	1.3
	Dun-Rite NE	11/9/2018	5.0	<0.37
	Dun-Rite NE	6/7/2019	2,180	2.0
	Dun-Rite NE	9/23/2019	2,930	<11.3
	Dun-Rite NE	5/7/2020	8.6	<0.31
	Dun-Rite NE	10/22/2020	106	<0.29
	Dun-Rite NE	4/22/2021	27.4	<0.28
	Dun-Rite NE	9/29/2021	14.0	<0.34
	Dun-Rite NE	5/12/2022	16.5	<0.27
	Dun-Rite NE	10/21/2022	294	<0.43
	Dun-Rite NE	4/17/2023	6.4	<1.22
	Dun-Rite NE	10/6/2023	403	2.9

Table 1b
Vapor Chemistry Results - Sub-Slab Vapor
Dun-Rite Cleaners
1008 Union Street
Stevens Point, Wisconsin

Sub-Slab Vapor Samples ($\mu\text{g}/\text{m}^3$)				
Sample ID	Location	Date	Tetrachloroethene (PCE)	Trichloroethene (TCE)
Sub-Slab Vapor Screening Levels¹				
	Small Commercial		5,800	290
SSV304	Residence	7/18/2014	13	<1.2
	Residence	3/2/2015	11	<0.31
	Residence	9/4/2015	137	21
	Residence	11/9/2015	319	14
	Residence	2/16/2016	105	5.7
	Residence	10/5/2016	52	2.2
	Residence	6/20/2017	133	0.92 J
	Residence	11/16/2017	15.6	0.57 J
	Residence	5/18/2018	1,380	6.2
	Residence	11/2/2018	14.6	<0.37
	Residence	6/7/2019	20.1	<0.37
	Residence	9/23/2019	3,570	18.5
	Residence	5/18/2020	86.6	<0.31
	Residence	10/22/2020	40.0	<0.30
	Residence	4/22/2021	15.2	<0.27
			9/29/2021	Structure Razed
SSV405	SW Office	9/19/2014	7,470	139
	SW Office	2/24/2015	17,800	183
	SW Office	10/5/2016	22,300	175
	SW Office	6/16/2017	17,400	111
	SW Office	11/16/2017	17,100	130
	SW Office	5/18/2018	29,800	168
	SW Office	11/9/2018	11,200	149
	SW Office	6/7/2019	6,710	64.4
	SW Office	9/23/2019	28,800	152
	SW Office	5/7/2020	15,700	134
	SW Office	10/22/2020	26,500	118
	SW Office	4/22/2021	38,600	356 J
	SW Office	9/29/2021	6,790	91.2
	SW Office	5/12/2022	11,200	172
	SW Office	10/21/2022	40,300	<399
	SW Office	4/17/2023	5,200	82
SW Office	10/6/2023	5,760	131	

Table 1b
Vapor Chemistry Results - Sub-Slab Vapor
Dun-Rite Cleaners
1008 Union Street
Stevens Point, Wisconsin

Sub-Slab Vapor Samples ($\mu\text{g}/\text{m}^3$)

Sample ID	Location	Date	Tetrachloroethene (PCE)	Trichloroethene (TCE)
Sub-Slab Vapor Screening Levels¹				
	Small Commercial		5,800	290
SSV406	NW Office	9/19/2014	11,300	<28
	NW Office	2/27/2015	7,180	<24
	NW Office	9/4/2015	68,200	16
	NW Office	2/16/2016	9,940	11
	NW Office	10/5/2016	37,400	15
	NW Office	6/16/2017	15,500	9.1
	NW Office	11/16/2017	11,500	9.6
	NW Office	5/18/2018	12,500	11.2
	NW Office	11/12/2018	13,600	12.8
	NW Office	6/7/2019	3,810	<11.1
	NW Office	9/23/2019	19,300	<6.8
	NW Office	5/7/2020	4,630	4.7
	NW Office	10/22/2020	10,900	7.6
	NW Office	4/22/2021	12,700	10
	NW Office	9/29/2021	11,900	19.7
	NW Office	5/12/2022	3,200	3.8
	NW Office	10/21/2022	12,100	<49.9
	NW Office	4/17/2023	661	1.3
	NW Office	10/6/2023	1,890	4.8

Table 1c
Vapor Chemistry Results - SVE System Discharge
Dun-Rite Cleaners
1008 Union Street
Stevens Point, Wisconsin

Soil Vapor Extraction System ($\mu\text{g}/\text{m}^3$)

Sample ID	Location	Date	Tetrachloroethene (PCE)	Trichloroethene (TCE)
Blwr A	SVE	3/13/2015	224,000	<1,700
Blwr B	SVE	3/14/2015	134,000	<410
Blwr C	SVE	3/17/2015	43,800	77
Can 2-A	SVE	3/13/2015	11,800	17
Can 1-D	SVE	3/18/2015	1,600	0.76 J
Blwr Dschrg 1	SVE	9/3/2015	2,580	113
Blwr Dschrg 2	SVE	9/8/2015	12,900	265
Blwr Dschrg	SVE	2/16/2016	641	7.9
Blwr Dschrg	SVE	10/5/2016	1,570	5.6
Blwr Dschrg	SVE	6/16/2017	59	26
Blower Exhaust	SVE	11/16/2017	2,690	10.9
Blower	SVE	5/18/2018	1,490	1.7
Blower	SVE	11/2/2018	<0.54	<0.44
Blower Exhaust	SVE	6/7/2019	328	0.90
Blower Exhaust	SVE	9/23/2019	651	0.55J
Blower Exhaust	SVE	5/7/2020	232	<0.32
Blower Sta.	SVE	10/22/2020	3,060	3.6
Blower Sta.	SVE	4/22/2021	214	<0.25
Blower Exhaust	SVE	9/29/2021	326	0.63 J
Blower Exhaust	SVE	5/12/2022	361	<0.30
Blower Exhaust	SVE	10/21/2022	24,500	<51.6
Blower Exhaust	SVE	4/17/2023	104	<1.2
Blower Exhaust	SVE	10/6/2023	6.0	<1.2

Notes

- $\mu\text{g}/\text{m}^3$ micrograms per cubic meter
- <0.076 Substance not detected above indicated detection limit
- 6,000** **Bold** indicates concentration exceeds Vapor Action Level or Vapor Screening Level for Non-Residential Conditions
- * Sample marked by laboratory qualifier C8: "Result may be biased high due to carryover from previously analyzed sample"
- J Analyte was detected but is below the reporting limit; the concentration is estimated
- R Result uncharacteristically high, thus location resampled
- Highlighting indicates most recent results

¹ Vapor Action and Screening Levels listed on the **Wisconsin Vapor Quick Look-Up Table, Indoor Air Vapor Action Levels and Vapor Risk Screening Levels** dated August 2023, based on May 2023 US EPA Regional Screening Levels, Publication RR-0136

Table 2
Groundwater Chemistry Results
Dun-Rite Cleaners
1008 Union Street
Stevens Point, Wisconsin

Sample Location	Sample Date	Tetrachloroethene (µg/l)	Trichloroethene (µg/l)	Depth to Water (feet)	Water Elevation* (feet MSL)
PAL		0.5	0.5		
ES		5.0	5.0		
GP-10	12/13/2013	331	1.9	--	--
	11/4/2015	77	2.7	6.63	1,079.26
	5/6/2016	211	<0.33	6.24	1,079.65
	10/5/2016	344	3.2 J	6.57	1,079.32
	6/14/2017	--	--	--	
	11/16/2017	--	--	--	
	5/18/2018	--	--	--	
	11/2/2018	--	--	--	
	6/7/2019	--	--	--	
	9/23/2019	--	--	--	
	5/7/2020	--	--	6.20	1,079.69
	10/23/2020	--	--	--	
	4/17/2021	--	--	7.35	1,078.54
	10/4/2021	--	--	--	
	5/18/2022	--	--	6.95	1,078.94
	10/21/2022	--	--	9.13	1,076.76
	4/17/2023	--	--	7.54	1,078.35
	10/12/2023	--	--	8.72	1,077.17
GP-11	12/13/2013	2,570	<18.2	--	
	11/4/2015	173	<1.3	6.59	1,079.22
	5/6/2016	61.5	<0.33	6.22	1,079.59
	10/5/2016	54.6	0.54 J	6.55	1,079.26
	6/14/2017	614	<1.7	4.75	1,081.06
	11/16/2017	14.3	0.41 J	6.99	1,078.82
	5/18/2018	727	<1.7	8.92	1,076.89
	11/2/2018	17.8	<0.26	6.30	1,079.51
	6/7/2019	614	<1.3	5.91	1,079.90
	9/23/2019	112	0.84 J	6.22	1,079.59
	5/7/2020	243	<1.3 J	6.22	1,079.59
	10/23/2020	18.4	<0.26	7.19	1,078.62
	4/17/2021	8.1	<0.32	7.32	1,078.49
	10/4/2021	3.4	<0.32	6.86	1,078.95

Table 2
Groundwater Chemistry Results
Dun-Rite Cleaners
1008 Union Street
Stevens Point, Wisconsin

Sample Location	Sample Date	Tetrachloroethene (µg/l)	Trichloroethene (µg/l)	Depth to Water (feet)	Water Elevation* (feet MSL)
PAL		0.5	0.5		
ES		5.0	5.0		
	5/18/2022	3.3	<0.32	6.93	1,078.88
	10/21/2022	407	3.9 J	9.15	1,076.66
	4/17/2023	26.7	<0.32	7.36	1,078.37
	10/12/2023	839	8.6	8.59	1,077.14
GP-12	12/13/2013	254	<1.8	--	--
	9/23/2014	487	2.2 J	--	--
	11/4/2015	364	1.8 J	6.5	1,079.20
	5/6/2016	147	0.95 J	6.14	1,079.56
	10/5/2016	780	2.7 J	6.47	1,079.23
	6/14/2017	433	1.7 J	4.61	1,081.09
	11/16/2017	647	3.7 J	6.88	1,078.82
	5/18/2018	176	1.8	8.79	1,076.91
	11/2/2018	462	2.2	6.19	1,079.51
	6/7/2019	142	2.3	5.8	1,079.90
	9/23/2019	829	2.8	6.05	1,079.65
	5/7/2020	105	1.6	6.08	1,079.62
	10/23/2020	239	3.5	7.1	1,078.60
	4/17/2021	119	0.39 J	7.21	1,078.49
	10/4/2021	1,860	5.1	6.76	1,078.94
	5/18/2022	890	3.4	6.84	1,078.86
	10/21/2022	447	4.3 J	8.99	1,076.71
	4/17/2023	2.7	<0.32	7.39	1,078.24
	10/12/2023	104	1.9	8.46	1,077.17
MWG-1	11/4/2015	141	6.9	6.49	1,079.23
	5/6/2016	15.3	1.1	6.15	1,079.57
	10/5/2016	138	5.6	6.45	1,079.27
	6/14/2017	8.2	1.1	4.80	1,080.92
	11/16/2017	127	7.6	6.88	1,078.84
	5/18/2018	12.8	1.0	8.78	1,076.94
	11/2/2018	74.0	6.1	6.19	1,079.53
	6/7/2019	8.2	0.74 J	5.78	1,079.94
	9/23/2019	81.0	13.0	6.04	1,079.68
	5/9/2020	5.4	0.26 J	--	
	10/23/2020	85.6	14.0	7.08	1,078.64

Table 2
Groundwater Chemistry Results
Dun-Rite Cleaners
1008 Union Street
Stevens Point, Wisconsin

Sample Location	Sample Date	Tetrachloroethene (µg/l)	Trichloroethene (µg/l)	Depth to Water (feet)	Water Elevation* (feet MSL)
PAL		0.5	0.5		
ES		5.0	5.0		
	4/17/2021	603	<0.32	7.19	1,078.53
	10/4/2021	2,920	5.5	6.75	1,078.97
	5/18/2022	3,490	4.0	6.88	1,078.84
	10/21/2022	674	1.9 J	8.96	1,076.76
	4/17/2023	1.2	<0.32	7.37	1,078.34
	10/12/2023	34.9	<0.32	8.57	1,077.14

Notes

- µg/l Micrograms per liter. Equivalent to parts per billion
- feet MSL Feet above mean sea level
- PAL Preventive Action Limit listed in Chapter NR 140, Table 1, Wisconsin Administrative Code
- ES Enforcement Standard listed in Chapter NR 140, Wisconsin Administrative Code
- * Well top elevations resurvey 10/06/2023 to account for PVC cut off during well repair on 11/2
- 1.2 *Italics* indicate exceedance of NR 140 Preventive Action Limit
- 5.4** **Bold** indicates exceedance of NR 140 Enforcement Standard
- <0.45 Substance not detected above indicated detection limit
- Data unavailable/not collected
- J Analyte was detected but is below the reporting limit; the concentration is estimated
- Data before 2014 generated during investigations conducted by AECOM
- Highlighting indicates most recent results

Charts

- Chart 1** **Groundwater Table Elevations Over Time**
- Chart 2** **Dissolved PCE Concentrations Over Time**

Chart 1
Groundwater Table Elevations Over Time
Dun-Rite Cleaners
1008 Union Street
Stevens Point, Wisconsin

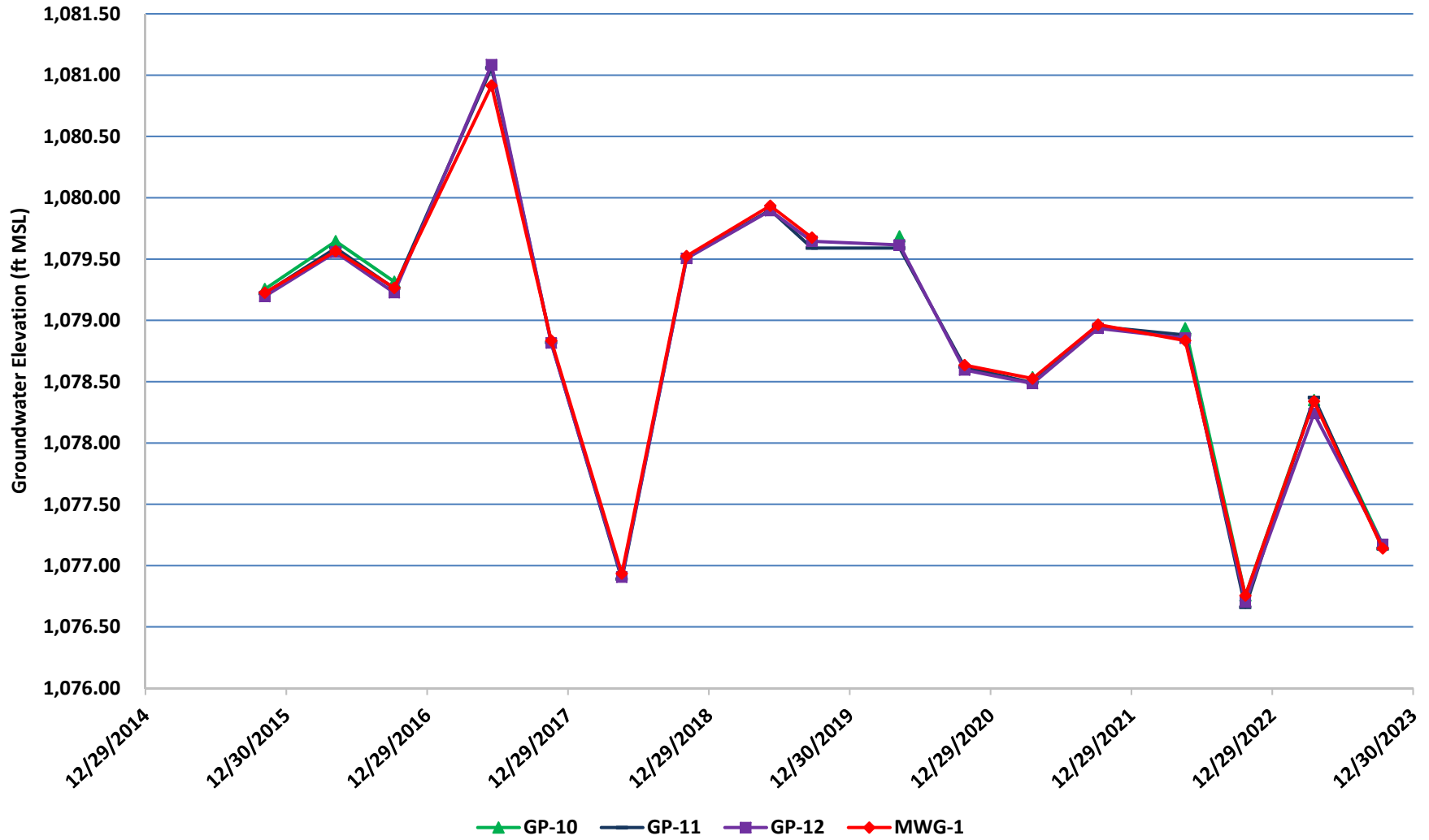
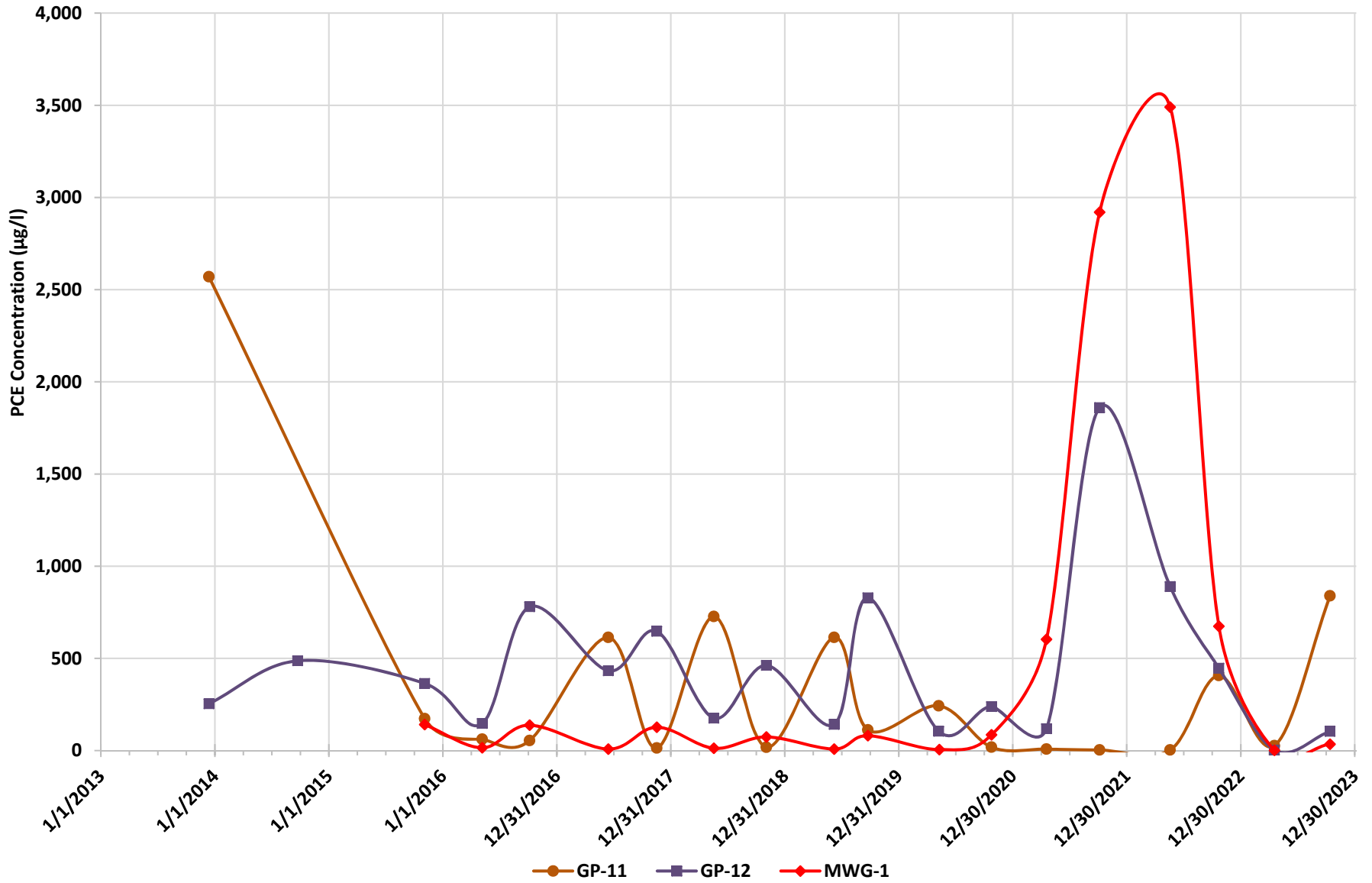


Chart 2
Dissolved PCE Concentrations Over Time
Dun-Rite Cleaners
1008 Union Street
Stevens Point, Wisconsin



Laboratory Reports



October 23, 2023

Pete Arntsen
SAND COUNTY ENVIRONMENTAL, INC.
151 Mill Street
Amherst, WI 54406

RE: Project: DUN-RITE
Pace Project No.: 40269663

Dear Pete Arntsen:

Enclosed are the analytical results for sample(s) received by the laboratory on October 17, 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: DUN-RITE

Pace Project No.: 40269663

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

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SAMPLE SUMMARY

Project: DUN-RITE
Pace Project No.: 40269663

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40269663001	GP-12	Water	10/12/23 09:00	10/17/23 08:40
40269663002	MWG-1	Water	10/12/23 09:15	10/17/23 08:40
40269663003	GP-11	Water	10/12/23 05:00	10/17/23 08:40
40269663004	QA-1	Water	10/12/23 00:00	10/17/23 08:40
40269663005	TRIP BLANK	Water	10/12/23 00:00	10/17/23 08:40

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SAMPLE ANALYTE COUNT

Project: DUN-RITE

Pace Project No.: 40269663

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40269663001	GP-12	EPA 8260	CXJ	63
40269663002	MWG-1	EPA 8260	CXJ	63
40269663003	GP-11	EPA 8260	CXJ	63
40269663004	QA-1	EPA 8260	CXJ	63
40269663005	TRIP BLANK	EPA 8260	CXJ	63

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: DUN-RITE

Pace Project No.: 40269663

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40269663001	GP-12					
EPA 8260	Tetrachloroethene	104	ug/L	1.0	10/19/23 13:20	
EPA 8260	Trichloroethene	1.9	ug/L	1.0	10/19/23 13:20	
40269663002	MWG-1					
EPA 8260	Tetrachloroethene	34.9	ug/L	1.0	10/19/23 13:40	
40269663003	GP-11					
EPA 8260	Tetrachloroethene	839	ug/L	10.0	10/20/23 08:44	
EPA 8260	Trichloroethene	8.6	ug/L	1.0	10/19/23 14:00	
40269663004	QA-1					
EPA 8260	Tetrachloroethene	103	ug/L	1.0	10/19/23 11:42	
EPA 8260	Trichloroethene	1.7	ug/L	1.0	10/19/23 11:42	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DUN-RITE

Pace Project No.: 40269663

Sample: GP-12 Lab ID: 40269663001 Collected: 10/12/23 09:00 Received: 10/17/23 08:40 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		10/19/23 13:20	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/19/23 13:20	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/19/23 13:20	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/19/23 13:20	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/19/23 13:20	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/19/23 13:20	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/19/23 13:20	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/19/23 13:20	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/19/23 13:20	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/19/23 13:20	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/19/23 13:20	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/19/23 13:20	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/19/23 13:20	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/19/23 13:20	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/19/23 13:20	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/19/23 13:20	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/19/23 13:20	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/19/23 13:20	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/19/23 13:20	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/19/23 13:20	106-46-7	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/19/23 13:20	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/19/23 13:20	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/19/23 13:20	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		10/19/23 13:20	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/19/23 13:20	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/19/23 13:20	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/19/23 13:20	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/19/23 13:20	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/19/23 13:20	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/19/23 13:20	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/19/23 13:20	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/19/23 13:20	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		10/19/23 13:20	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/19/23 13:20	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/19/23 13:20	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/19/23 13:20	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/19/23 13:20	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/19/23 13:20	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/19/23 13:20	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/19/23 13:20	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/19/23 13:20	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/19/23 13:20	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/19/23 13:20	75-09-2	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/19/23 13:20	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		10/19/23 13:20	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DUN-RITE

Pace Project No.: 40269663

Sample: GP-12 Lab ID: 40269663001 Collected: 10/12/23 09:00 Received: 10/17/23 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	104	ug/L	1.0	0.41	1		10/19/23 13:20	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/19/23 13:20	108-88-3	
Trichloroethene	1.9	ug/L	1.0	0.32	1		10/19/23 13:20	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/19/23 13:20	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/19/23 13:20	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/19/23 13:20	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/19/23 13:20	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/19/23 13:20	10061-01-5	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/19/23 13:20	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/19/23 13:20	103-65-1	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/19/23 13:20	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/19/23 13:20	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/19/23 13:20	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/19/23 13:20	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/19/23 13:20	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		10/19/23 13:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		1		10/19/23 13:20	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		10/19/23 13:20	2037-26-5	

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ANALYTICAL RESULTS

Project: DUN-RITE

Pace Project No.: 40269663

Sample: MWG-1 Lab ID: 40269663002 Collected: 10/12/23 09:15 Received: 10/17/23 08:40 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		10/19/23 13:40	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/19/23 13:40	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/19/23 13:40	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/19/23 13:40	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/19/23 13:40	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/19/23 13:40	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/19/23 13:40	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/19/23 13:40	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/19/23 13:40	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/19/23 13:40	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/19/23 13:40	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/19/23 13:40	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/19/23 13:40	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/19/23 13:40	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/19/23 13:40	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/19/23 13:40	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/19/23 13:40	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/19/23 13:40	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/19/23 13:40	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/19/23 13:40	106-46-7	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/19/23 13:40	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/19/23 13:40	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/19/23 13:40	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		10/19/23 13:40	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/19/23 13:40	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/19/23 13:40	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/19/23 13:40	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/19/23 13:40	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/19/23 13:40	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/19/23 13:40	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/19/23 13:40	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/19/23 13:40	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		10/19/23 13:40	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/19/23 13:40	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/19/23 13:40	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/19/23 13:40	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/19/23 13:40	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/19/23 13:40	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/19/23 13:40	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/19/23 13:40	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/19/23 13:40	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/19/23 13:40	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/19/23 13:40	75-09-2	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/19/23 13:40	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		10/19/23 13:40	100-42-5	

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ANALYTICAL RESULTS

Project: DUN-RITE

Pace Project No.: 40269663

Sample: MWG-1 Lab ID: 40269663002 Collected: 10/12/23 09:15 Received: 10/17/23 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	34.9	ug/L	1.0	0.41	1		10/19/23 13:40	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/19/23 13:40	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/19/23 13:40	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/19/23 13:40	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/19/23 13:40	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/19/23 13:40	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/19/23 13:40	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/19/23 13:40	10061-01-5	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/19/23 13:40	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/19/23 13:40	103-65-1	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/19/23 13:40	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/19/23 13:40	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/19/23 13:40	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/19/23 13:40	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/19/23 13:40	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		10/19/23 13:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		10/19/23 13:40	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		10/19/23 13:40	2037-26-5	

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ANALYTICAL RESULTS

Project: DUN-RITE

Pace Project No.: 40269663

Sample: GP-11 Lab ID: 40269663003 Collected: 10/12/23 05:00 Received: 10/17/23 08:40 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		10/19/23 14:00	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/19/23 14:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/19/23 14:00	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/19/23 14:00	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/19/23 14:00	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/19/23 14:00	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/19/23 14:00	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/19/23 14:00	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/19/23 14:00	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/19/23 14:00	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/19/23 14:00	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/19/23 14:00	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/19/23 14:00	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/19/23 14:00	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/19/23 14:00	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/19/23 14:00	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/19/23 14:00	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/19/23 14:00	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/19/23 14:00	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/19/23 14:00	106-46-7	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/19/23 14:00	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/19/23 14:00	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/19/23 14:00	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		10/19/23 14:00	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/19/23 14:00	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/19/23 14:00	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/19/23 14:00	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/19/23 14:00	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/19/23 14:00	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/19/23 14:00	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/19/23 14:00	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/19/23 14:00	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		10/19/23 14:00	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/19/23 14:00	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/19/23 14:00	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/19/23 14:00	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/19/23 14:00	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/19/23 14:00	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/19/23 14:00	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/19/23 14:00	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/19/23 14:00	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/19/23 14:00	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/19/23 14:00	75-09-2	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/19/23 14:00	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		10/19/23 14:00	100-42-5	

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ANALYTICAL RESULTS

Project: DUN-RITE

Pace Project No.: 40269663

Sample: GP-11 Lab ID: 40269663003 Collected: 10/12/23 05:00 Received: 10/17/23 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	839	ug/L	10.0	4.1	10		10/20/23 08:44	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/19/23 14:00	108-88-3	
Trichloroethene	8.6	ug/L	1.0	0.32	1		10/19/23 14:00	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/19/23 14:00	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/19/23 14:00	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/19/23 14:00	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/19/23 14:00	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/19/23 14:00	10061-01-5	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/19/23 14:00	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/19/23 14:00	103-65-1	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/19/23 14:00	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/19/23 14:00	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/19/23 14:00	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/19/23 14:00	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/19/23 14:00	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		10/19/23 14:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		10/19/23 14:00	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		10/19/23 14:00	2037-26-5	

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ANALYTICAL RESULTS

Project: DUN-RITE

Pace Project No.: 40269663

Sample: QA-1 Lab ID: 40269663004 Collected: 10/12/23 00:00 Received: 10/17/23 08:40 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		10/19/23 11:42	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/19/23 11:42	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/19/23 11:42	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/19/23 11:42	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/19/23 11:42	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/19/23 11:42	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/19/23 11:42	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/19/23 11:42	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/19/23 11:42	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/19/23 11:42	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/19/23 11:42	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/19/23 11:42	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/19/23 11:42	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/19/23 11:42	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/19/23 11:42	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/19/23 11:42	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/19/23 11:42	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/19/23 11:42	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/19/23 11:42	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/19/23 11:42	106-46-7	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/19/23 11:42	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/19/23 11:42	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/19/23 11:42	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		10/19/23 11:42	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/19/23 11:42	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/19/23 11:42	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/19/23 11:42	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/19/23 11:42	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/19/23 11:42	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/19/23 11:42	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/19/23 11:42	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/19/23 11:42	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		10/19/23 11:42	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/19/23 11:42	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/19/23 11:42	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/19/23 11:42	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/19/23 11:42	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/19/23 11:42	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/19/23 11:42	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/19/23 11:42	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/19/23 11:42	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/19/23 11:42	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/19/23 11:42	75-09-2	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/19/23 11:42	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		10/19/23 11:42	100-42-5	

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ANALYTICAL RESULTS

Project: DUN-RITE

Pace Project No.: 40269663

Sample: QA-1 Lab ID: 40269663004 Collected: 10/12/23 00:00 Received: 10/17/23 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	103	ug/L	1.0	0.41	1		10/19/23 11:42	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/19/23 11:42	108-88-3	
Trichloroethene	1.7	ug/L	1.0	0.32	1		10/19/23 11:42	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/19/23 11:42	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/19/23 11:42	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/19/23 11:42	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/19/23 11:42	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/19/23 11:42	10061-01-5	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/19/23 11:42	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/19/23 11:42	103-65-1	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/19/23 11:42	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/19/23 11:42	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/19/23 11:42	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/19/23 11:42	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/19/23 11:42	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/19/23 11:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		10/19/23 11:42	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		10/19/23 11:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DUN-RITE

Pace Project No.: 40269663

Sample: TRIP BLANK Lab ID: 40269663005 Collected: 10/12/23 00:00 Received: 10/17/23 08:40 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		10/19/23 11:22	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/19/23 11:22	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/19/23 11:22	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		10/19/23 11:22	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/19/23 11:22	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/19/23 11:22	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/19/23 11:22	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/19/23 11:22	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		10/19/23 11:22	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/19/23 11:22	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/19/23 11:22	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/19/23 11:22	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/19/23 11:22	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/19/23 11:22	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/19/23 11:22	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/19/23 11:22	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/19/23 11:22	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/19/23 11:22	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/19/23 11:22	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/19/23 11:22	106-46-7	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		10/19/23 11:22	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/19/23 11:22	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/19/23 11:22	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		10/19/23 11:22	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/19/23 11:22	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		10/19/23 11:22	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/19/23 11:22	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		10/19/23 11:22	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/19/23 11:22	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/19/23 11:22	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/19/23 11:22	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/19/23 11:22	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		10/19/23 11:22	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/19/23 11:22	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/19/23 11:22	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/19/23 11:22	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/19/23 11:22	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/19/23 11:22	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/19/23 11:22	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/19/23 11:22	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/19/23 11:22	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/19/23 11:22	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/19/23 11:22	75-09-2	
Naphthalene	<1.9	ug/L	5.0	1.9	1		10/19/23 11:22	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		10/19/23 11:22	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DUN-RITE

Pace Project No.: 40269663

Sample: TRIP BLANK Lab ID: 40269663005 Collected: 10/12/23 00:00 Received: 10/17/23 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/19/23 11:22	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/19/23 11:22	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/19/23 11:22	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/19/23 11:22	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/19/23 11:22	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/19/23 11:22	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/19/23 11:22	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		10/19/23 11:22	10061-01-5	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/19/23 11:22	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/19/23 11:22	103-65-1	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/19/23 11:22	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/19/23 11:22	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/19/23 11:22	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/19/23 11:22	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		10/19/23 11:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		10/19/23 11:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		10/19/23 11:22	2199-69-1	
Toluene-d8 (S)	94	%	70-130		1		10/19/23 11:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: DUN-RITE

Pace Project No.: 40269663

QC Batch: 457838

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40269663001, 40269663002, 40269663003, 40269663004, 40269663005

METHOD BLANK: 2629233

Matrix: Water

Associated Lab Samples: 40269663001, 40269663002, 40269663003, 40269663004, 40269663005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	10/19/23 08:05	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	10/19/23 08:05	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	10/19/23 08:05	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	10/19/23 08:05	
1,1-Dichloroethane	ug/L	<0.30	1.0	10/19/23 08:05	
1,1-Dichloroethene	ug/L	<0.58	1.0	10/19/23 08:05	
1,1-Dichloropropene	ug/L	<0.41	1.0	10/19/23 08:05	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	10/19/23 08:05	
1,2,3-Trichloropropane	ug/L	<0.56	1.0	10/19/23 08:05	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/19/23 08:05	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	10/19/23 08:05	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	10/19/23 08:05	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	10/19/23 08:05	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	10/19/23 08:05	
1,2-Dichloroethane	ug/L	<0.29	1.0	10/19/23 08:05	
1,2-Dichloropropane	ug/L	<0.45	1.0	10/19/23 08:05	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	10/19/23 08:05	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	10/19/23 08:05	
1,3-Dichloropropane	ug/L	<0.30	1.0	10/19/23 08:05	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	10/19/23 08:05	
2,2-Dichloropropane	ug/L	<0.42	1.0	10/19/23 08:05	
2-Chlorotoluene	ug/L	<0.89	5.0	10/19/23 08:05	
4-Chlorotoluene	ug/L	<0.89	5.0	10/19/23 08:05	
Benzene	ug/L	<0.30	1.0	10/19/23 08:05	
Bromobenzene	ug/L	<0.36	1.0	10/19/23 08:05	
Bromochloromethane	ug/L	<0.36	1.0	10/19/23 08:05	
Bromodichloromethane	ug/L	<0.42	1.0	10/19/23 08:05	
Bromoform	ug/L	<0.43	1.0	10/19/23 08:05	
Bromomethane	ug/L	<1.2	5.0	10/19/23 08:05	
Carbon tetrachloride	ug/L	<0.37	1.0	10/19/23 08:05	
Chlorobenzene	ug/L	<0.86	1.0	10/19/23 08:05	
Chloroethane	ug/L	<1.4	5.0	10/19/23 08:05	
Chloroform	ug/L	<0.50	5.0	10/19/23 08:05	
Chloromethane	ug/L	<1.6	5.0	10/19/23 08:05	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	10/19/23 08:05	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	10/19/23 08:05	
Dibromochloromethane	ug/L	<2.6	5.0	10/19/23 08:05	
Dibromomethane	ug/L	<0.99	5.0	10/19/23 08:05	
Dichlorodifluoromethane	ug/L	<0.46	5.0	10/19/23 08:05	
Diisopropyl ether	ug/L	<1.1	5.0	10/19/23 08:05	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: DUN-RITE

Pace Project No.: 40269663

METHOD BLANK: 2629233

Matrix: Water

Associated Lab Samples: 40269663001, 40269663002, 40269663003, 40269663004, 40269663005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	10/19/23 08:05	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	10/19/23 08:05	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	10/19/23 08:05	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	10/19/23 08:05	
Methylene Chloride	ug/L	<0.32	5.0	10/19/23 08:05	
n-Butylbenzene	ug/L	<0.86	1.0	10/19/23 08:05	
n-Propylbenzene	ug/L	<0.35	1.0	10/19/23 08:05	
Naphthalene	ug/L	<1.9	5.0	10/19/23 08:05	
p-Isopropyltoluene	ug/L	<1.0	5.0	10/19/23 08:05	
sec-Butylbenzene	ug/L	<0.42	1.0	10/19/23 08:05	
Styrene	ug/L	<0.36	1.0	10/19/23 08:05	
tert-Butylbenzene	ug/L	<0.59	1.0	10/19/23 08:05	
Tetrachloroethene	ug/L	<0.41	1.0	10/19/23 08:05	
Toluene	ug/L	<0.29	1.0	10/19/23 08:05	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	10/19/23 08:05	
trans-1,3-Dichloropropene	ug/L	<0.27	1.0	10/19/23 08:05	
Trichloroethene	ug/L	<0.32	1.0	10/19/23 08:05	
Trichlorofluoromethane	ug/L	<0.42	1.0	10/19/23 08:05	
Vinyl chloride	ug/L	<0.17	1.0	10/19/23 08:05	
Xylene (Total)	ug/L	<1.0	3.0	10/19/23 08:05	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130	10/19/23 08:05	
4-Bromofluorobenzene (S)	%	93	70-130	10/19/23 08:05	
Toluene-d8 (S)	%	95	70-130	10/19/23 08:05	

LABORATORY CONTROL SAMPLE: 2629234

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.1	110	70-132	
1,1,2,2-Tetrachloroethane	ug/L	50	43.3	87	70-130	
1,1,2-Trichloroethane	ug/L	50	47.8	96	70-130	
1,1-Dichloroethane	ug/L	50	49.2	98	70-130	
1,1-Dichloroethene	ug/L	50	61.8	124	73-140	
1,2,4-Trichlorobenzene	ug/L	50	42.4	85	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	39.7	79	58-130	
1,2-Dibromoethane (EDB)	ug/L	50	46.6	93	70-130	
1,2-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,2-Dichloroethane	ug/L	50	48.5	97	70-130	
1,2-Dichloropropane	ug/L	50	50.6	101	77-127	
1,3-Dichlorobenzene	ug/L	50	48.0	96	70-130	
1,4-Dichlorobenzene	ug/L	50	50.0	100	70-130	
Benzene	ug/L	50	51.7	103	70-130	
Bromodichloromethane	ug/L	50	50.7	101	70-130	
Bromoform	ug/L	50	53.9	108	70-130	
Bromomethane	ug/L	50	53.0	106	22-141	

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QUALITY CONTROL DATA

Project: DUN-RITE

Pace Project No.: 40269663

LABORATORY CONTROL SAMPLE: 2629234

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	62.0	124	70-135	
Chlorobenzene	ug/L	50	52.0	104	70-130	
Chloroethane	ug/L	50	54.5	109	59-141	
Chloroform	ug/L	50	51.3	103	80-124	
Chloromethane	ug/L	50	49.4	99	29-150	
cis-1,2-Dichloroethene	ug/L	50	49.2	98	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.7	95	70-130	
Dibromochloromethane	ug/L	50	51.9	104	70-130	
Dichlorodifluoromethane	ug/L	50	35.8	72	10-147	
Ethylbenzene	ug/L	50	49.1	98	80-125	
Isopropylbenzene (Cumene)	ug/L	50	50.7	101	70-130	
Methyl-tert-butyl ether	ug/L	50	47.0	94	64-131	
Methylene Chloride	ug/L	50	52.1	104	70-137	
Styrene	ug/L	50	56.2	112	70-130	
Tetrachloroethene	ug/L	50	55.4	111	70-130	
Toluene	ug/L	50	47.4	95	80-120	
trans-1,2-Dichloroethene	ug/L	50	51.5	103	70-131	
trans-1,3-Dichloropropene	ug/L	50	45.6	91	70-130	
Trichloroethene	ug/L	50	52.2	104	70-130	
Trichlorofluoromethane	ug/L	50	59.9	120	69-141	
Vinyl chloride	ug/L	50	47.5	95	51-145	
Xylene (Total)	ug/L	150	160	106	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			93	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2630038 2630039

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40269663004	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	55.4	54.2	111	108	70-132	2	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	45.8	47.4	92	95	70-131	4	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	48.7	54.6	97	109	70-130	12	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	49.4	56.1	99	112	70-131	13	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	65.5	67.1	131	134	69-146	2	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	44.7	45.4	89	91	70-130	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	42.6	41.7	85	83	56-130	2	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	47.2	50.2	94	100	70-130	6	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	54.0	54.3	108	109	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	48.0	55.4	96	111	70-130	14	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	53.5	57.1	107	114	77-129	7	20		
1,3-Dichlorobenzene	ug/L	<0.35	50	50	50.5	51.2	101	102	70-130	2	20		
1,4-Dichlorobenzene	ug/L	<0.89	50	50	53.0	52.6	106	105	70-130	1	20		
Benzene	ug/L	<0.30	50	50	51.7	55.7	103	111	70-130	7	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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: DUN-RITE

Pace Project No.: 40269663

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2630038 2630039												
Parameter	Units	40269663004		MS	MSD	MS	MSD	MS	MSD	% Rec	Max	
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	RPD	RPD
Bromodichloromethane	ug/L	<0.42	50	50	50	51.7	54.7	103	109	70-130	6	20
Bromoform	ug/L	<0.43	50	50	50	54.9	54.9	110	110	70-130	0	20
Bromomethane	ug/L	<1.2	50	50	50	56.1	60.9	112	122	12-159	8	26
Carbon tetrachloride	ug/L	<0.37	50	50	50	60.9	57.3	122	115	70-135	6	20
Chlorobenzene	ug/L	<0.86	50	50	50	52.4	55.3	105	111	70-130	5	20
Chloroethane	ug/L	<1.4	50	50	50	55.7	59.0	111	118	56-143	6	20
Chloroform	ug/L	<0.50	50	50	50	51.7	53.9	103	108	80-126	4	20
Chloromethane	ug/L	<1.6	50	50	50	46.6	47.2	93	94	22-156	1	20
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	50	50.0	50.3	100	101	70-130	1	20
cis-1,3-Dichloropropene	ug/L	<0.24	50	50	50	50.7	54.4	101	109	70-130	7	20
Dibromochloromethane	ug/L	<2.6	50	50	50	52.4	52.5	105	105	70-130	0	20
Dichlorodifluoromethane	ug/L	<0.46	50	50	50	34.1	35.4	68	71	10-147	4	20
Ethylbenzene	ug/L	<0.33	50	50	50	49.3	56.2	99	112	80-126	13	20
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	50	52.2	55.7	104	111	70-130	6	20
Methyl-tert-butyl ether	ug/L	<1.1	50	50	50	47.3	50.5	95	101	64-136	7	20
Methylene Chloride	ug/L	<0.32	50	50	50	52.6	57.2	105	114	70-137	8	20
Styrene	ug/L	<0.36	50	50	50	56.8	63.7	114	127	70-133	11	20
Tetrachloroethene	ug/L	103	50	50	50	153	167	100	129	70-131	9	20
Toluene	ug/L	<0.29	50	50	50	48.6	54.0	97	108	80-121	11	20
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	50	52.6	51.9	105	104	70-135	1	20
trans-1,3-Dichloropropene	ug/L	<0.27	50	50	50	47.3	54.1	95	108	70-130	13	20
Trichloroethene	ug/L	1.7	50	50	50	54.3	54.4	105	105	70-130	0	20
Trichlorofluoromethane	ug/L	<0.42	50	50	50	58.4	61.3	117	123	67-142	5	20
Vinyl chloride	ug/L	<0.17	50	50	50	47.4	51.5	95	103	45-147	8	20
Xylene (Total)	ug/L	<1.0	150	150	150	163	178	109	119	70-130	9	20
1,2-Dichlorobenzene-d4 (S)	%							101	98	70-130		
4-Bromofluorobenzene (S)	%							94	90	70-130		
Toluene-d8 (S)	%							95	101	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: DUN-RITE

Pace Project No.: 40269663

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.

DL - Adjusted Method Detection Limit.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: DUN-RITE
Pace Project No.: 40269663

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40269663001	GP-12	EPA 8260	457838		
40269663002	MWG-1	EPA 8260	457838		
40269663003	GP-11	EPA 8260	457838		
40269663004	QA-1	EPA 8260	457838		
40269663005	TRIP BLANK	EPA 8260	457838		

REPORT OF LABORATORY ANALYSIS

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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

40269663

ALL SHADED AREAS are for LAB USE ONLY

Company: Sand Creek ENR

Billing Information: Same

Address: 151 Mill St, Auburn, WI

Report To: Pete Antsen

Email To: pete.antsen@sandcountyenr.com

Copy To:

Site Collection Info/Address: Stevens Point

Container Preservative Type ** 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: Deer Pute

State: WI County/City: Stevens Point Time Zone Collect: [] PT [] MT [] CT [] ET

Phone: Email:

Site/Facility ID #: Deer Pute

Compliance Monitoring? [] Yes [X] No

Collected By (print): Pete Antsen

Purchase Order #: Quote #:

DW PWS ID #: DW Location Code:

Collected By (signature):

Turnaround Date Required:

Immediately Packed on Ice: [X] Yes [] No

Sample Disposal: [X] Dispose as appropriate [] Return [] Archive: [] Hold:

Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)

Field Filtered (if applicable): [] Yes [X] No Analysis:

* 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		
GP-12	GW	Grab	6/12	900				
GP-MWG-1	GW	Grab	6/12	915				
GP-11	GW	Grab	6/12	900				
QA-1	GW	Grab	6/12					
Trip Blank								

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: Y N NA

Sample pH Acceptable Y N NA

pH Strips: Y N NA

Sulfide Present Y N NA

Lead Acetate Strips: Y N NA

LAB USE ONLY: Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

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

Lab Sample Temperature Info:

Packing Material Used:

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

Lab Tracking #: 2881431

Temp Blank Received: Y N NA

Relinquished by/Company (Signature): [Signature]

Date/Time: 10/16/08

Received by/Company (Signature): [Signature]

Temp Blank Received: Y N NA

Relinquished by/Company (Signature): Walco

Date/Time: 10/17/08

Received by/Company (Signature): [Signature]

Temp Blank Received: Y N NA

Relinquished by/Company (Signature):

Date/Time:

Received by/Company (Signature):

Temp Blank Received: Y N NA

Relinquished by/Company (Signature):

Date/Time:

Received by/Company (Signature):

Temp Blank Received: Y N NA

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Non Conformance(s): YES / NO Page 22 of 24

Client Name: Sand Creek

Sample Preservation Receipt Form

Project # 40269663

All containers needing preservation have been checked and noted below.
 Lab Lot# of pH paper.

Yes No N/A
 Lab Std #ID of preservation (if pH adjusted).

Initial when completed. Date/Time:

Pace Lab #	Glass						Plastic						Vials					Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 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																W																		2.5 / 5
002																W																		2.5 / 5
003																W																		2.5 / 5
004																W																		2.5 / 5
005																Z																		2.5 / 5
006																																		2.5 / 5
007																																		2.5 / 5
008																																		2.5 / 5
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017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

MH 10/17/23

Exceptions to preservation check (VOA, 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 H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	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 #: _____

WO# : 40269663



40269663

Client Name: Sand Creek

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

Tracking #: 3710477

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 - 120 **Type of Ice:** Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr: 3.0 I/Corr: 3.0

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

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

Person examining contents:
 Date: 10/17/23 /Initials: mt
 Labeled By Initials: SG

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>ph#, pg#, preserv. mt# 10/17/23</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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>	
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>508</u>	

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Sand County Environmental

Sample Delivery Group: L1666211
Samples Received: 10/13/2023
Project Number:
Description: Dun-Rite

Report To: Pete Arnsten
PO Box 218
Amherst, WI 54406

Entire Report Reviewed By:



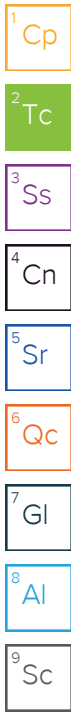
Jason Romer
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

AA405 OUTSIDE L1666211-01 Air

Collected by
Pete Arnsten

Collected date/time
10/06/23 16:04

Received date/time
10/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2155566	1	10/21/23 10:41	10/21/23 10:41	JAP	Mt. Juliet, TN

AA406 LOBBY L1666211-02 Air

Collected by
Pete Arnsten

Collected date/time
10/06/23 14:28

Received date/time
10/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2155566	1	10/21/23 11:09	10/21/23 11:09	JAP	Mt. Juliet, TN

AA407 NW OFFICE L1666211-03 Air

Collected by
Pete Arnsten

Collected date/time
10/06/23 15:58

Received date/time
10/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2155566	1	10/21/23 11:37	10/21/23 11:37	JAP	Mt. Juliet, TN

AA408 SW OFFICE L1666211-04 Air

Collected by
Pete Arnsten

Collected date/time
10/06/23 16:00

Received date/time
10/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2155566	1	10/21/23 12:06	10/21/23 12:06	JAP	Mt. Juliet, TN

SSV203 NE OFFICE L1666211-05 Air

Collected by
Pete Arnsten

Collected date/time
10/06/23 12:45

Received date/time
10/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2155566	1	10/21/23 12:34	10/21/23 12:34	JAP	Mt. Juliet, TN

SSV101 CENTRAL L1666211-06 Air

Collected by
Pete Arnsten

Collected date/time
10/06/23 12:32

Received date/time
10/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2155566	1	10/21/23 13:02	10/21/23 13:02	JAP	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2157135	10	10/24/23 17:09	10/24/23 17:09	MNP	Mt. Juliet, TN

SSV405 SW OFFICE L1666211-07 Air

Collected by
Pete Arnsten

Collected date/time
10/06/23 12:08

Received date/time
10/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2155566	1	10/21/23 13:31	10/21/23 13:31	JAP	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2157135	20	10/24/23 19:18	10/24/23 19:18	MNP	Mt. Juliet, TN

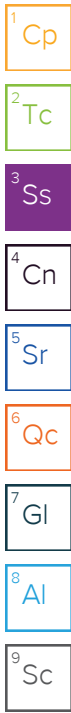
SSV406 NW OFFICE L1666211-08 Air

Collected by
Pete Arnsten

Collected date/time
10/06/23 11:52

Received date/time
10/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2155566	1	10/21/23 13:59	10/21/23 13:59	JAP	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2157135	10	10/24/23 17:52	10/24/23 17:52	MNP	Mt. Juliet, TN



SAMPLE SUMMARY

BLOWER EXHAUST L1666211-10 Air

Collected by: Pete Arnsten
 Collected date/time: 10/06/23 12:50
 Received date/time: 10/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2155566	1	10/21/23 14:28	10/21/23 14:28	JAP	Mt. Juliet, TN

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Sr
- ⁶Qc
- ⁷Gl
- ⁸Al
- ⁹Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jason Romer
Project Manager

Project Narrative

Pressure Differential:

Sample L1666211-01, AA405, was received with a pressure differential. COC recorded ending pressure: -18"Hg. Lab received ending pressure: -0"Hg. Client notified. Please proceed. 10/16/23 JM

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.95	4.63	6.19	14.7	J3	1	WG2155566
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2155566
Benzene	71-43-2	78.10	0.238	0.760	ND	ND		1	WG2155566
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2155566
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2155566
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2155566
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2155566
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2155566
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2155566
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2155566
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2155566
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2155566
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2155566
Chloromethane	74-87-3	50.50	0.343	0.708	0.788	1.63		1	WG2155566
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2155566
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2155566
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2155566
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2155566
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	0.486	2.92		1	WG2155566
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2155566
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	ND	ND		1	WG2155566
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2155566
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2155566
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2155566
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2155566
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2155566
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2155566
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2155566
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2155566
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2155566
Ethanol	64-17-5	46.10	0.883	1.66	18.2	34.3		1	WG2155566
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2155566
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2155566
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	0.288	1.62		1	WG2155566
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	1.02	5.04		1	WG2155566
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2155566
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2155566
Heptane	142-82-5	100	0.347	1.42	0.859	3.51		1	WG2155566
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2155566
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2155566
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2155566
Methylene Chloride	75-09-2	84.90	0.326	1.13	5.98	20.8		1	WG2155566
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2155566
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	0.373	1.10		1	WG2155566
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2155566
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2155566
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2155566
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2155566
2-Propanol	67-63-0	60.10	0.880	2.16	12.7	31.2		1	WG2155566
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2155566
Styrene	100-42-5	104	0.263	1.12	ND	ND		1	WG2155566
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2155566
Tetrachloroethylene	127-18-4	166	0.271	1.84	7.28	49.4		1	WG2155566
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	ND	ND		1	WG2155566
Toluene	108-88-3	92.10	0.290	1.09	1.09	4.11		1	WG2155566
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2155566

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.245	1.33	ND	ND		1	WG2155566
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2155566
Trichloroethylene	79-01-6	131	0.227	1.22	ND	ND		1	WG2155566
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	0.417	2.05		1	WG2155566
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2155566
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	0.484	2.26		1	WG2155566
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2155566
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2155566
Vinyl acetate	108-05-4	86.10	0.387	1.36	ND	ND		1	WG2155566
Xylenes, Total	1330-20-7	106.16	0.450	1.95	0.478	2.08		1	WG2155566
m&p-Xylene	1330-20-7	106	0.450	1.95	ND	ND		1	WG2155566
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2155566
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.9				WG2155566

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.95	4.63	12.7	30.2	J3	1	WG2155566
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2155566
Benzene	71-43-2	78.10	0.238	0.760	ND	ND		1	WG2155566
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2155566
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2155566
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2155566
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2155566
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2155566
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2155566
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2155566
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2155566
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2155566
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2155566
Chloromethane	74-87-3	50.50	0.343	0.708	35.9	74.1		1	WG2155566
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2155566
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2155566
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2155566
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2155566
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2155566
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2155566
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	1.59	9.56		1	WG2155566
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2155566
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2155566
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2155566
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2155566
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2155566
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2155566
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2155566
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2155566
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2155566
Ethanol	64-17-5	46.10	0.883	1.66	55.5	105		1	WG2155566
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2155566
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2155566
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	ND	ND		1	WG2155566
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	1.94	9.59		1	WG2155566
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2155566
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2155566
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2155566
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2155566
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2155566
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2155566
Methylene Chloride	75-09-2	84.90	0.326	1.13	ND	ND		1	WG2155566
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2155566
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	0.868	2.56		1	WG2155566
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2155566
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2155566
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2155566
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2155566
2-Propanol	67-63-0	60.10	0.880	2.16	3.43	8.43		1	WG2155566
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2155566
Styrene	100-42-5	104	0.263	1.12	ND	ND		1	WG2155566
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2155566
Tetrachloroethylene	127-18-4	166	0.271	1.84	0.451	3.06		1	WG2155566
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	ND	ND		1	WG2155566
Toluene	108-88-3	92.10	0.290	1.09	0.378	1.42		1	WG2155566
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2155566

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.245	1.33	ND	ND		1	WG2155566
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2155566
Trichloroethylene	79-01-6	131	0.227	1.22	0.233	1.25		1	WG2155566
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	ND	ND		1	WG2155566
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2155566
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2155566
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2155566
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2155566
Vinyl acetate	108-05-4	86.10	0.387	1.36	0.438	1.54		1	WG2155566
Xylenes, Total	1330-20-7	106.16	0.450	1.95	ND	ND		1	WG2155566
m&p-Xylene	1330-20-7	106	0.450	1.95	ND	ND		1	WG2155566
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2155566
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.2				WG2155566

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.95	4.63	15.0	35.6	J3	1	WG2155566
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2155566
Benzene	71-43-2	78.10	0.238	0.760	ND	ND		1	WG2155566
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2155566
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2155566
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2155566
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2155566
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2155566
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2155566
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2155566
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2155566
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2155566
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2155566
Chloromethane	74-87-3	50.50	0.343	0.708	0.681	1.41		1	WG2155566
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2155566
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2155566
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2155566
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2155566
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2155566
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2155566
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	1.30	7.82		1	WG2155566
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2155566
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2155566
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2155566
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2155566
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2155566
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2155566
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2155566
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2155566
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2155566
Ethanol	64-17-5	46.10	0.883	1.66	28.4	53.5		1	WG2155566
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2155566
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2155566
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	ND	ND		1	WG2155566
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	3.65	18.1		1	WG2155566
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2155566
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2155566
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2155566
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2155566
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2155566
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2155566
Methylene Chloride	75-09-2	84.90	0.326	1.13	ND	ND		1	WG2155566
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2155566
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	0.992	2.93		1	WG2155566
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2155566
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2155566
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2155566
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2155566
2-Propanol	67-63-0	60.10	0.880	2.16	4.78	11.7		1	WG2155566
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2155566
Styrene	100-42-5	104	0.263	1.12	ND	ND		1	WG2155566
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2155566
Tetrachloroethylene	127-18-4	166	0.271	1.84	1.31	8.89		1	WG2155566
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	ND	ND		1	WG2155566
Toluene	108-88-3	92.10	0.290	1.09	0.343	1.29		1	WG2155566
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2155566

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.245	1.33	ND	ND		1	WG2155566
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2155566
Trichloroethylene	79-01-6	131	0.227	1.22	0.344	1.84		1	WG2155566
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	ND	ND		1	WG2155566
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2155566
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2155566
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2155566
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2155566
Vinyl acetate	108-05-4	86.10	0.387	1.36	0.528	1.86		1	WG2155566
Xylenes, Total	1330-20-7	106.16	0.450	1.95	ND	ND		1	WG2155566
m&p-Xylene	1330-20-7	106	0.450	1.95	ND	ND		1	WG2155566
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2155566
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.3				WG2155566

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.95	4.63	12.7	30.2	J3	1	WG2155566
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2155566
Benzene	71-43-2	78.10	0.238	0.760	ND	ND		1	WG2155566
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2155566
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2155566
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2155566
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2155566
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2155566
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2155566
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2155566
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2155566
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2155566
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2155566
Chloromethane	74-87-3	50.50	0.343	0.708	0.642	1.33		1	WG2155566
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2155566
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2155566
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2155566
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2155566
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2155566
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2155566
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	1.27	7.64		1	WG2155566
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2155566
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2155566
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2155566
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2155566
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2155566
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2155566
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2155566
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2155566
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2155566
Ethanol	64-17-5	46.10	0.883	1.66	33.3	62.8		1	WG2155566
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2155566
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2155566
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	ND	ND		1	WG2155566
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	2.85	14.1		1	WG2155566
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2155566
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2155566
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2155566
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2155566
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2155566
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2155566
Methylene Chloride	75-09-2	84.90	0.326	1.13	ND	ND		1	WG2155566
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2155566
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	1.04	3.07		1	WG2155566
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2155566
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2155566
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2155566
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2155566
2-Propanol	67-63-0	60.10	0.880	2.16	2.95	7.25		1	WG2155566
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2155566
Styrene	100-42-5	104	0.263	1.12	ND	ND		1	WG2155566
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2155566
Tetrachloroethylene	127-18-4	166	0.271	1.84	0.780	5.30		1	WG2155566
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	ND	ND		1	WG2155566
Toluene	108-88-3	92.10	0.290	1.09	0.464	1.75		1	WG2155566
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2155566

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.245	1.33	ND	ND		1	WG2155566
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2155566
Trichloroethylene	79-01-6	131	0.227	1.22	0.294	1.58		1	WG2155566
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	ND	ND		1	WG2155566
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2155566
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2155566
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2155566
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2155566
Vinyl acetate	108-05-4	86.10	0.387	1.36	0.562	1.98		1	WG2155566
Xylenes, Total	1330-20-7	106.16	0.450	1.95	ND	ND		1	WG2155566
m&p-Xylene	1330-20-7	106	0.450	1.95	ND	ND		1	WG2155566
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2155566
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		94.1				WG2155566

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.95	4.63	5.85	13.9	J3	1	WG2155566
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2155566
Benzene	71-43-2	78.10	0.238	0.760	ND	ND		1	WG2155566
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2155566
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2155566
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2155566
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2155566
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2155566
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2155566
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2155566
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2155566
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2155566
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2155566
Chloromethane	74-87-3	50.50	0.343	0.708	0.359	0.741		1	WG2155566
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2155566
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2155566
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2155566
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2155566
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2155566
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2155566
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	ND	ND		1	WG2155566
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2155566
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2155566
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2155566
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2155566
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2155566
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2155566
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2155566
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2155566
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2155566
Ethanol	64-17-5	46.10	0.883	1.66	26.2	49.4		1	WG2155566
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2155566
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2155566
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	ND	ND		1	WG2155566
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	3.64	18.0		1	WG2155566
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2155566
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2155566
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2155566
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2155566
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2155566
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2155566
Methylene Chloride	75-09-2	84.90	0.326	1.13	3.48	12.1		1	WG2155566
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2155566
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	0.714	2.11		1	WG2155566
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2155566
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2155566
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2155566
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2155566
2-Propanol	67-63-0	60.10	0.880	2.16	6.55	16.1		1	WG2155566
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2155566
Styrene	100-42-5	104	0.263	1.12	ND	ND		1	WG2155566
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2155566
Tetrachloroethylene	127-18-4	166	0.271	1.84	59.4	403		1	WG2155566
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	ND	ND		1	WG2155566
Toluene	108-88-3	92.10	0.290	1.09	4.22	15.9		1	WG2155566
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2155566

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.245	1.33	ND	ND		1	WG2155566
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2155566
Trichloroethylene	79-01-6	131	0.227	1.22	0.538	2.88		1	WG2155566
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	0.269	1.32		1	WG2155566
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2155566
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2155566
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2155566
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2155566
Vinyl acetate	108-05-4	86.10	0.387	1.36	ND	ND		1	WG2155566
Xylenes, Total	1330-20-7	106.16	0.450	1.95	0.641	2.78		1	WG2155566
m&p-Xylene	1330-20-7	106	0.450	1.95	ND	ND		1	WG2155566
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2155566
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		94.3				WG2155566

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.95	4.63	9.28	22.1	J3	1	WG2155566
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2155566
Benzene	71-43-2	78.10	0.238	0.760	0.814	2.60		1	WG2155566
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2155566
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2155566
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2155566
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2155566
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2155566
Carbon disulfide	75-15-0	76.10	0.340	1.06	0.556	1.73		1	WG2155566
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2155566
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2155566
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2155566
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2155566
Chloromethane	74-87-3	50.50	0.343	0.708	0.485	1.00		1	WG2155566
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2155566
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2155566
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2155566
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2155566
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2155566
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2155566
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	ND	ND		1	WG2155566
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2155566
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2155566
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2155566
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2155566
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2155566
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2155566
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2155566
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2155566
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2155566
Ethanol	64-17-5	46.10	0.883	1.66	42.0	79.2		1	WG2155566
Ethylbenzene	100-41-4	106	0.278	1.21	1.17	5.07		1	WG2155566
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2155566
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	ND	ND		1	WG2155566
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	8.15	40.3		1	WG2155566
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2155566
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2155566
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2155566
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2155566
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2155566
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2155566
Methylene Chloride	75-09-2	84.90	0.326	1.13	3.95	13.7		1	WG2155566
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2155566
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	1.88	5.54		1	WG2155566
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2155566
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2155566
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2155566
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2155566
2-Propanol	67-63-0	60.10	0.880	2.16	5.47	13.4		1	WG2155566
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2155566
Styrene	100-42-5	104	0.263	1.12	0.752	3.20		1	WG2155566
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2155566
Tetrachloroethylene	127-18-4	166	2.71	18.4	160	1090		10	WG2157135
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	ND	ND		1	WG2155566
Toluene	108-88-3	92.10	0.290	1.09	12.3	46.3		1	WG2155566
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2155566

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.245	1.33	ND	ND		1	WG2155566
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2155566
Trichloroethylene	79-01-6	131	0.227	1.22	2.41	12.9		1	WG2155566
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	0.426	2.09		1	WG2155566
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2155566
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2155566
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2155566
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2155566
Vinyl acetate	108-05-4	86.10	0.387	1.36	0.796	2.80		1	WG2155566
Xylenes, Total	1330-20-7	106.16	0.450	1.95	2.47	10.7		1	WG2155566
m&p-Xylene	1330-20-7	106	0.450	1.95	1.80	7.80		1	WG2155566
o-Xylene	95-47-6	106	0.276	1.20	0.668	2.90		1	WG2155566
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.7				WG2155566
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.9				WG2157135

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.95	4.63	13.7	32.6	J3	1	WG2155566
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2155566
Benzene	71-43-2	78.10	0.238	0.760	ND	ND		1	WG2155566
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2155566
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2155566
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2155566
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2155566
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2155566
Carbon disulfide	75-15-0	76.10	0.340	1.06	0.891	2.77		1	WG2155566
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2155566
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2155566
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2155566
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2155566
Chloromethane	74-87-3	50.50	0.343	0.708	0.444	0.917		1	WG2155566
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2155566
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2155566
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2155566
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2155566
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2155566
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2155566
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	0.194	1.17		1	WG2155566
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2155566
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2155566
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2155566
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2155566
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2155566
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2155566
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2155566
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2155566
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2155566
Ethanol	64-17-5	46.10	0.883	1.66	17.6	33.2		1	WG2155566
Ethylbenzene	100-41-4	106	0.278	1.21	0.373	1.62		1	WG2155566
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2155566
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	0.323	1.82		1	WG2155566
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	3.91	19.3		1	WG2155566
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2155566
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2155566
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2155566
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2155566
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2155566
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2155566
Methylene Chloride	75-09-2	84.90	0.326	1.13	0.413	1.43		1	WG2155566
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2155566
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	2.43	7.17		1	WG2155566
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2155566
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2155566
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2155566
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2155566
2-Propanol	67-63-0	60.10	0.880	2.16	3.37	8.28		1	WG2155566
Propene	115-07-1	42.10	0.311	0.536	0.461	0.794		1	WG2155566
Styrene	100-42-5	104	0.263	1.12	1.16	4.93		1	WG2155566
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2155566
Tetrachloroethylene	127-18-4	166	5.43	36.9	848	5760		20	WG2157135
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	0.345	1.02		1	WG2155566
Toluene	108-88-3	92.10	0.290	1.09	13.2	49.7		1	WG2155566
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2155566

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.245	1.33	ND	ND		1	WG2155566
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2155566
Trichloroethylene	79-01-6	131	0.227	1.22	24.5	131		1	WG2155566
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	0.410	2.01		1	WG2155566
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2155566
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2155566
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2155566
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2155566
Vinyl acetate	108-05-4	86.10	0.387	1.36	1.42	5.00		1	WG2155566
Xylenes, Total	1330-20-7	106.16	0.450	1.95	2.19	9.51		1	WG2155566
m&p-Xylene	1330-20-7	106	0.450	1.95	1.47	6.37		1	WG2155566
o-Xylene	95-47-6	106	0.276	1.20	0.722	3.13		1	WG2155566
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.8				WG2155566
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.6				WG2157135

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.95	4.63	7.84	18.6	J3	1	WG2155566
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2155566
Benzene	71-43-2	78.10	0.238	0.760	ND	ND		1	WG2155566
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2155566
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2155566
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2155566
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2155566
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2155566
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2155566
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2155566
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2155566
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2155566
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2155566
Chloromethane	74-87-3	50.50	0.343	0.708	ND	ND		1	WG2155566
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2155566
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2155566
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2155566
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2155566
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2155566
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2155566
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	0.313	1.88		1	WG2155566
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2155566
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2155566
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2155566
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2155566
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2155566
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2155566
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2155566
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2155566
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2155566
Ethanol	64-17-5	46.10	0.883	1.66	24.6	46.4		1	WG2155566
Ethylbenzene	100-41-4	106	0.278	1.21	0.358	1.55		1	WG2155566
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2155566
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	0.276	1.55		1	WG2155566
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	8.79	43.5		1	WG2155566
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2155566
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2155566
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2155566
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2155566
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2155566
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2155566
Methylene Chloride	75-09-2	84.90	0.326	1.13	0.670	2.33		1	WG2155566
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2155566
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	1.83	5.40		1	WG2155566
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2155566
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2155566
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2155566
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2155566
2-Propanol	67-63-0	60.10	0.880	2.16	4.03	9.91		1	WG2155566
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2155566
Styrene	100-42-5	104	0.263	1.12	1.12	4.76		1	WG2155566
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2155566
Tetrachloroethylene	127-18-4	166	2.71	18.4	279	1890		10	WG2157135
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	0.329	0.970		1	WG2155566
Toluene	108-88-3	92.10	0.290	1.09	13.7	51.6		1	WG2155566
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2155566

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.245	1.33	ND	ND		1	WG2155566
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2155566
Trichloroethylene	79-01-6	131	0.227	1.22	0.897	4.81		1	WG2155566
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	0.319	1.57		1	WG2155566
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2155566
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2155566
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2155566
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2155566
Vinyl acetate	108-05-4	86.10	0.387	1.36	0.676	2.38		1	WG2155566
Xylenes, Total	1330-20-7	106.16	0.450	1.95	1.69	7.34		1	WG2155566
m&p-Xylene	1330-20-7	106	0.450	1.95	1.08	4.68		1	WG2155566
o-Xylene	95-47-6	106	0.276	1.20	0.606	2.63		1	WG2155566
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.8				WG2155566
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		100				WG2157135

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

BLOWER EXHAUST

Collected date/time: 10/06/23 12:50

SAMPLE RESULTS - 10

L1666211

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.95	4.63	6.18	14.7	J3	1	WG2155566
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2155566
Benzene	71-43-2	78.10	0.238	0.760	ND	ND		1	WG2155566
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2155566
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2155566
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2155566
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2155566
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2155566
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2155566
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2155566
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2155566
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2155566
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2155566
Chloromethane	74-87-3	50.50	0.343	0.708	0.605	1.25		1	WG2155566
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2155566
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2155566
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2155566
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2155566
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2155566
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2155566
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	ND	ND		1	WG2155566
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2155566
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2155566
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2155566
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2155566
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2155566
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2155566
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2155566
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2155566
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2155566
Ethanol	64-17-5	46.10	0.883	1.66	119	224	E	1	WG2155566
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2155566
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2155566
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	ND	ND		1	WG2155566
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	0.579	2.86		1	WG2155566
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2155566
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2155566
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2155566
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2155566
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2155566
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2155566
Methylene Chloride	75-09-2	84.90	0.326	1.13	2.81	9.76		1	WG2155566
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2155566
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	ND	ND		1	WG2155566
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2155566
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2155566
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2155566
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2155566
2-Propanol	67-63-0	60.10	0.880	2.16	10.3	25.3		1	WG2155566
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2155566
Styrene	100-42-5	104	0.263	1.12	ND	ND		1	WG2155566
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2155566
Tetrachloroethylene	127-18-4	166	0.271	1.84	0.887	6.02		1	WG2155566
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	ND	ND		1	WG2155566
Toluene	108-88-3	92.10	0.290	1.09	0.595	2.24		1	WG2155566
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2155566

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Sand County Environmental

PROJECT:

SDG:

L1666211

DATE/TIME:

10/25/23 18:51

PAGE:

22 of 31

BLOWER EXHAUST

Collected date/time: 10/06/23 12:50

SAMPLE RESULTS - 10

L1666211

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.245	1.33	ND	ND		1	WG2155566
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2155566
Trichloroethylene	79-01-6	131	0.227	1.22	ND	ND		1	WG2155566
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	ND	ND		1	WG2155566
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2155566
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2155566
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2155566
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2155566
Vinyl acetate	108-05-4	86.10	0.387	1.36	ND	ND		1	WG2155566
Xylenes, Total	1330-20-7	106.16	0.450	1.95	ND	ND		1	WG2155566
m&p-Xylene	1330-20-7	106	0.450	1.95	ND	ND		1	WG2155566
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2155566
<i>(S)</i> 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.0				WG2155566

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R3990433-1 10/21/23 08:27

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.95
Allyl chloride	U		0.114	0.380
Benzene	U		0.0715	0.238
Benzyl Chloride	U		0.0598	0.199
Bromodichloromethane	U		0.0702	0.234
Bromoform	U		0.0732	0.244
Bromomethane	U		0.0982	0.327
1,3-Butadiene	U		0.104	0.347
Carbon disulfide	U		0.102	0.340
Carbon tetrachloride	U		0.0732	0.244
Chlorobenzene	U		0.0832	0.277
Chloroethane	U		0.0996	0.332
Chloroform	U		0.0717	0.239
Chloromethane	U		0.103	0.343
2-Chlorotoluene	U		0.0828	0.276
Cyclohexane	U		0.0753	0.251
Dibromochloromethane	U		0.0727	0.242
1,2-Dibromoethane	U		0.0721	0.240
1,2-Dichlorobenzene	U		0.128	0.427
1,3-Dichlorobenzene	U		0.182	0.607
1,4-Dichlorobenzene	U		0.0557	0.186
1,2-Dichloroethane	U		0.0700	0.233
1,1-Dichloroethane	U		0.0723	0.241
1,1-Dichloroethene	U		0.0762	0.254
cis-1,2-Dichloroethene	U		0.0784	0.261
trans-1,2-Dichloroethene	U		0.0673	0.224
1,2-Dichloropropane	U		0.0760	0.253
cis-1,3-Dichloropropene	U		0.0689	0.230
trans-1,3-Dichloropropene	U		0.0728	0.243
1,4-Dioxane	U		0.0833	0.278
Ethanol	U		0.265	0.883
Ethylbenzene	U		0.0835	0.278
4-Ethyltoluene	U		0.0783	0.261
Trichlorofluoromethane	U		0.0819	0.273
Dichlorodifluoromethane	U		0.137	0.457
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.264
1,2-Dichlorotetrafluoroethane	U		0.0890	0.297
Heptane	U		0.104	0.347
Hexachloro-1,3-butadiene	U		0.105	0.350
n-Hexane	U		0.206	0.687

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3990433-1 10/21/23 08:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Isopropylbenzene	U		0.0777	0.259
Methylene Chloride	U		0.0979	0.326
Methyl Butyl Ketone	U		0.133	0.443
2-Butanone (MEK)	U		0.0814	0.271
4-Methyl-2-pentanone (MIBK)	U		0.0765	0.255
Methyl methacrylate	U		0.0876	0.292
MTBE	U		0.0647	0.216
Naphthalene	U		0.350	1.17
2-Propanol	U		0.264	0.880
Propene	U		0.0932	0.311
Styrene	U		0.0788	0.263
1,1,2,2-Tetrachloroethane	U		0.0743	0.248
Tetrachloroethylene	U		0.0814	0.271
Tetrahydrofuran	U		0.0734	0.245
Toluene	U		0.0870	0.290
1,2,4-Trichlorobenzene	U		0.148	0.493
1,1,1-Trichloroethane	U		0.0736	0.245
1,1,2-Trichloroethane	U		0.0775	0.258
Trichloroethylene	U		0.0680	0.227
1,2,4-Trimethylbenzene	U		0.0764	0.255
1,3,5-Trimethylbenzene	U		0.0779	0.260
2,2,4-Trimethylpentane	U		0.133	0.443
Vinyl chloride	U		0.0949	0.316
Vinyl Bromide	U		0.0852	0.284
Vinyl acetate	U		0.116	0.387
Xylenes, Total	U		0.135	0.450
m&p-Xylene	U		0.135	0.450
o-Xylene	U		0.0828	0.276
(S) 1,4-Bromofluorobenzene	98.8			60.0-140

1
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3990433-2 10/21/23 08:57 • (LCSD) R3990433-3 10/21/23 09:27

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Acetone	3.75	3.84	2.87	102	76.5	70.0-130		J3	28.9	25
Allyl chloride	3.75	3.73	3.91	99.5	104	70.0-130			4.71	25
Benzene	3.75	3.96	3.93	106	105	70.0-130			0.760	25
Benzyl Chloride	3.75	2.91	2.86	77.6	76.3	70.0-152			1.73	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3990433-2 10/21/23 08:57 • (LCSD) R3990433-3 10/21/23 09:27

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	3.75	3.60	3.53	96.0	94.1	70.0-130			1.96	25
Bromoform	3.75	3.07	3.01	81.9	80.3	70.0-130			1.97	25
Bromomethane	3.75	4.14	3.59	110	95.7	70.0-130			14.2	25
1,3-Butadiene	3.75	4.20	3.89	112	104	70.0-130			7.66	25
Carbon disulfide	3.75	3.21	3.79	85.6	101	70.0-130			16.6	25
Carbon tetrachloride	3.75	3.42	3.40	91.2	90.7	70.0-130			0.587	25
Chlorobenzene	3.75	3.82	3.73	102	99.5	70.0-130			2.38	25
Chloroethane	3.75	4.07	3.45	109	92.0	70.0-130			16.5	25
Chloroform	3.75	3.74	3.73	99.7	99.5	70.0-130			0.268	25
Chloromethane	3.75	4.44	4.51	118	120	70.0-130			1.56	25
2-Chlorotoluene	3.75	3.73	3.67	99.5	97.9	70.0-130			1.62	25
Cyclohexane	3.75	3.94	3.98	105	106	70.0-130			1.01	25
Dibromochloromethane	3.75	3.43	3.40	91.5	90.7	70.0-130			0.878	25
1,2-Dibromoethane	3.75	3.79	3.66	101	97.6	70.0-130			3.49	25
1,2-Dichlorobenzene	3.75	3.64	3.58	97.1	95.5	70.0-130			1.66	25
1,3-Dichlorobenzene	3.75	3.64	3.58	97.1	95.5	70.0-130			1.66	25
1,4-Dichlorobenzene	3.75	3.66	3.55	97.6	94.7	70.0-130			3.05	25
1,2-Dichloroethane	3.75	3.68	3.63	98.1	96.8	70.0-130			1.37	25
1,1-Dichloroethane	3.75	3.89	3.83	104	102	70.0-130			1.55	25
1,1-Dichloroethene	3.75	3.56	3.61	94.9	96.3	70.0-130			1.39	25
cis-1,2-Dichloroethene	3.75	3.88	3.92	103	105	70.0-130			1.03	25
trans-1,2-Dichloroethene	3.75	3.95	3.76	105	100	70.0-130			4.93	25
1,2-Dichloropropane	3.75	3.90	3.87	104	103	70.0-130			0.772	25
cis-1,3-Dichloropropene	3.75	3.58	3.37	95.5	89.9	70.0-130			6.04	25
trans-1,3-Dichloropropene	3.75	3.36	3.31	89.6	88.3	70.0-130			1.50	25
1,4-Dioxane	3.75	3.94	3.87	105	103	70.0-140			1.79	25
Ethanol	3.75	4.10	3.34	109	89.1	55.0-148			20.4	25
Ethylbenzene	3.75	3.69	3.71	98.4	98.9	70.0-130			0.541	25
4-Ethyltoluene	3.75	3.84	3.81	102	102	70.0-130			0.784	25
Trichlorofluoromethane	3.75	3.36	3.24	89.6	86.4	70.0-130			3.64	25
Dichlorodifluoromethane	3.75	3.63	3.69	96.8	98.4	64.0-139			1.64	25
1,1,2-Trichlorotrifluoroethane	3.75	3.31	3.77	88.3	101	70.0-130			13.0	25
1,2-Dichlorotetrafluoroethane	3.75	3.97	3.96	106	106	70.0-130			0.252	25
Heptane	3.75	4.28	4.28	114	114	70.0-130			0.000	25
Hexachloro-1,3-butadiene	3.75	3.34	3.25	89.1	86.7	70.0-151			2.73	25
n-Hexane	3.75	4.02	3.99	107	106	70.0-130			0.749	25
Isopropylbenzene	3.75	3.76	3.64	100	97.1	70.0-130			3.24	25
Methylene Chloride	3.75	3.49	3.58	93.1	95.5	70.0-130			2.55	25
Methyl Butyl Ketone	3.75	3.72	3.42	99.2	91.2	70.0-149			8.40	25
2-Butanone (MEK)	3.75	4.12	3.99	110	106	70.0-130			3.21	25

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3990433-2 10/21/23 08:57 • (LCSD) R3990433-3 10/21/23 09:27

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	4.02	4.05	107	108	70.0-139			0.743	25
Methyl methacrylate	3.75	3.85	3.79	103	101	70.0-130			1.57	25
MTBE	3.75	3.60	3.64	96.0	97.1	70.0-130			1.10	25
Naphthalene	3.75	3.51	3.56	93.6	94.9	70.0-159			1.41	25
2-Propanol	3.75	3.44	3.43	91.7	91.5	70.0-139			0.291	25
Propene	3.75	3.83	3.91	102	104	64.0-144			2.07	25
Styrene	3.75	3.76	3.77	100	101	70.0-130			0.266	25
1,1,2,2-Tetrachloroethane	3.75	3.83	3.75	102	100	70.0-130			2.11	25
Tetrachloroethylene	3.75	3.73	3.71	99.5	98.9	70.0-130			0.538	25
Tetrahydrofuran	3.75	4.04	4.18	108	111	70.0-137			3.41	25
Toluene	3.75	3.90	3.82	104	102	70.0-130			2.07	25
1,2,4-Trichlorobenzene	3.75	3.21	3.26	85.6	86.9	70.0-160			1.55	25
1,1,1-Trichloroethane	3.75	3.45	3.46	92.0	92.3	70.0-130			0.289	25
1,1,2-Trichloroethane	3.75	3.76	3.78	100	101	70.0-130			0.531	25
Trichloroethylene	3.75	3.75	3.77	100	101	70.0-130			0.532	25
1,2,4-Trimethylbenzene	3.75	3.86	3.74	103	99.7	70.0-130			3.16	25
1,3,5-Trimethylbenzene	3.75	3.87	3.81	103	102	70.0-130			1.56	25
2,2,4-Trimethylpentane	3.75	4.16	4.18	111	111	70.0-130			0.480	25
Vinyl chloride	3.75	4.26	4.42	114	118	70.0-130			3.69	25
Vinyl Bromide	3.75	3.53	3.29	94.1	87.7	70.0-130			7.04	25
Vinyl acetate	3.75	2.66	2.79	70.9	74.4	70.0-130			4.77	25
Xylenes, Total	11.3	11.7	11.5	104	102	70.0-130			1.72	25
m&p-Xylene	7.50	7.72	7.64	103	102	70.0-130			1.04	25
o-Xylene	3.75	4.02	3.89	107	104	70.0-130			3.29	25
(S) 1,4-Bromofluorobenzene				102	100	60.0-140				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3990542-2 10/24/23 13:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Tetrachloroethylene	U		0.0814	0.271
<i>(S) 1,4-Bromofluorobenzene</i>	101			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3990542-1 10/24/23 12:31 • (LCSD) R3990542-3 10/24/23 15:20

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Tetrachloroethylene	3.75	3.12	3.13	83.2	83.5	70.0-130			0.320	25
<i>(S) 1,4-Bromofluorobenzene</i>				101	99.9	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

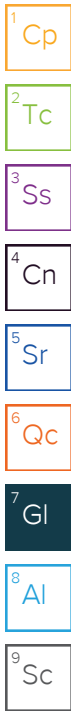
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J3	The associated batch QC was outside the established quality control range for precision.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Pace Pace® Location Requested (City/State): **Air CHAIN-OF-CUSTODY Analytical Request Document**
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name: **Sand County Environmental**
Street Address: **PO Box 218 Amherst, WI 54406**
City, State Zip:
Customer Project #: **Dun-Rite**

Contact/Report To: **Pete Arnsten**
Phone #: **715-824-5169**
E-Mail: **pete.arnsten@sandcountyenv.com; ken.ebbett@sandcountyenv.com**
Cc E-Mail:
Invoice to: **Same**
Invoice E-Mail:
Purchase Order # (if applicable):
Quote #:
State origin of sample(s):

Regulatory Program (CAA, RCRA, etc.) as applicable:
Rush (Pre-approval required):
2 Day 3 day 5 day Other
Date Results Requested:
Permit # as applicable:
Units for Reporting: ug/m³ PPBV mg/m³ PPMV


* Matrix Codes (Insert in Matrix box below): Ambient (A), Indoor (I), Soil Vapor (SV), Other (O)

Customer Sample ID	Matrix *	Summa Canister ID	Flow Controller ID	Begin Collection		End Collection		Start Pressure / Vacuum (in Hg)	End Pressure / Vacuum (in Hg)	Duration (minutes)	Flow Rate (m ³ /min or L/min)	Total Volume Sampled (m ³ or L)	TO-15 Summa
				Date	Time	Date	Time						
AA405 outside	A	011983	01555	10/6	8:18	10/6	4:01	-28.5	-18				X
AA406 lobby	A	006128	01097		8:16	10/6	2:28	-28	-3				X
AA407 NW office	A	024495	029022		8:09		3:56	-29	-3				X
AA408 SW office	A	012889	013271		8:12		4:00	-29	-1				X
SSV203 NE office	SV	021150	023104		12:43		12:45	-25	-1				X
SSV101 Central	SV	009846	013006		12:26		12:28	-29	-1				X
SSV405 SW office	SV	009869	007028		12:03		12:08	-29	-1				X
SSV406 SW office	SV	023344	013353		11:45		11:52	-28	-1				X
Blower Exhaust	SV	024047	015272		12:50		003	-29	-1				X

Customer Remarks / Special Conditions / Possible Hazards:
Collected By: **Sand County Env**
Printed Name: **Pete Arnsten**
Signature: *[Signature]*

Relinquished by/Company: (Signature) **TJA** Date/Time: **10/13/23**
Relinquished by/Company: (Signature) *[Signature]* Date/Time: **10/11/2023**
Relinquished by/Company: (Signature) Date/Time: **Brandon Reynolds**
Relinquished by/Company: (Signature) Date/Time:

LAB USE ONLY - Affix Workorder/Login Label Here



Sample Receipt Checklist
 CO2 Seal Present/Intact: Y N If Applicable
 COC Signed/Accurate: Y N VOR Zero Headspace: Y N
 Bottles arrive intact: Y N Pres. Correct/Check: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 RA Screen <0.5 mR/hr: Y N

Trk # 6727 1901 9505

Field Information				Analyses Requested			
Canister		PUF / FILTER		Lab Use Only			
Pressure / Vacuum	Start Pressure / Vacuum (in Hg)	End Pressure / Vacuum (in Hg)	Duration (minutes)	Flow Rate (m ³ /min or L/min)	Total Volume Sampled (m ³ or L)	TO-15 Summa	Proj. Manager:
							3828 - Jennifer A McCurdy
							AcctNum / Client ID:
							SANDCOPWI
							Table #:
							Profile / Template: T227716
							Prelog / Bottle Ord. ID: P1027739
							U666 211
							Sample Comment

Additional Instructions from Pace*:
 # Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C):
 Received by/Company: (Signature) Date/Time: Tracking Number:
 Received by/Company: (Signature) Date/Time: Delivered by: In-Person Courier
 Received by/Company: (Signature) Date/Time: FedEX UPS Other
 Received by/Company: (Signature) Date/Time: **10/13/23 0900**
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