



July 13, 2023

Ms. Joy Hannemann
Merge, LLC
ATTN: North Side Yard
25 W Main Street, Suite 500
Madison, WI 53703

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

Subject: Vapor Sample Results for Merge (former Guzman) Office Building – Spring 2023

Dear Ms. Hannemann:

The purpose of this letter is to present the results of vapor samples collected at the Merge (former Guzman) Office Building, located at 1100 Center Point Drive, Stevens Point, Wisconsin, on April 17, 2023. The samples were collected as part of environmental investigations associated with the Dun-Rite Cleaners site. The investigation is focused on chlorinated volatile organic compounds (VOCs), specifically tetrachloroethene (PCE) and trichloroethene (TCE).

Work Performed

Vapor samples were collected from three locations inside the building. The indoor samples included three samples of ambient air (i.e., typical room air) collected from the northwest lower office (former Wildcard [AA407]), the southwest lower office (former Attorney [AA408]), and the main floor lobby (from the space beneath the foot-ramp to the upper level [AA406]). The two sub-slab samples were collected from beneath the two lower offices (SSV405 from the southwest and SSV406 from the northwest). The samples were submitted to a laboratory and analyzed for VOCs.

Results and Discussion

Sample locations are shown on the enclosed **Figure 1**. The PCE and TCE results for all samples collected from the office building are presented on the enclosed **Table 1**. All results for the most recent samples are included on the enclosed **Laboratory Report**.

Ambient Air

PCE was detected in two ambient air samples: 2.8 $\mu\text{g}/\text{m}^3$ in AA406 (Lobby) and 4.4 $\mu\text{g}/\text{m}^3$ in AA407 (NW Office). The concentrations are below the 180 $\mu\text{g}/\text{m}^3$ Non-Residential Indoor Air Vapor Action Level for the substance. PCE was not detected in the other two ambient air samples (AA405 [Outdoor] and AA408 [SW Office]). TCE was not detected in any of the ambient air samples.

Sub-Slab Vapor

The two sub-slab vapor samples had detections of PCE and TCE. All concentrations were below the respective Sub-Slab Screening Levels (PCE = 6,000 $\mu\text{g}/\text{m}^3$; TCE = 290 $\mu\text{g}/\text{m}^3$).

The sub-slab and ambient vapor results together indicate that movement from the sub-slab environment to indoor spaces is minimal.

Going Forward

We expect to perform another round of vapor sampling in fall 2023. At that time, we will again contact you requesting permission to collect samples of the sub-slab vapors and ambient air.

If you have any questions, or would like to discuss the results, please contact me via phone at 715.824.5169 or by email at pete.arntsen@sandcountyenv.com.

Sincerely,

SAND COUNTY ENVIRONMENTAL, INC.



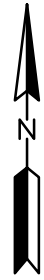
Pete Arntsen, MS, PH, PG
Project Manager/Senior Hydrologist

Enclosures: Figure 1
Table 1
Laboratory Report

Via email

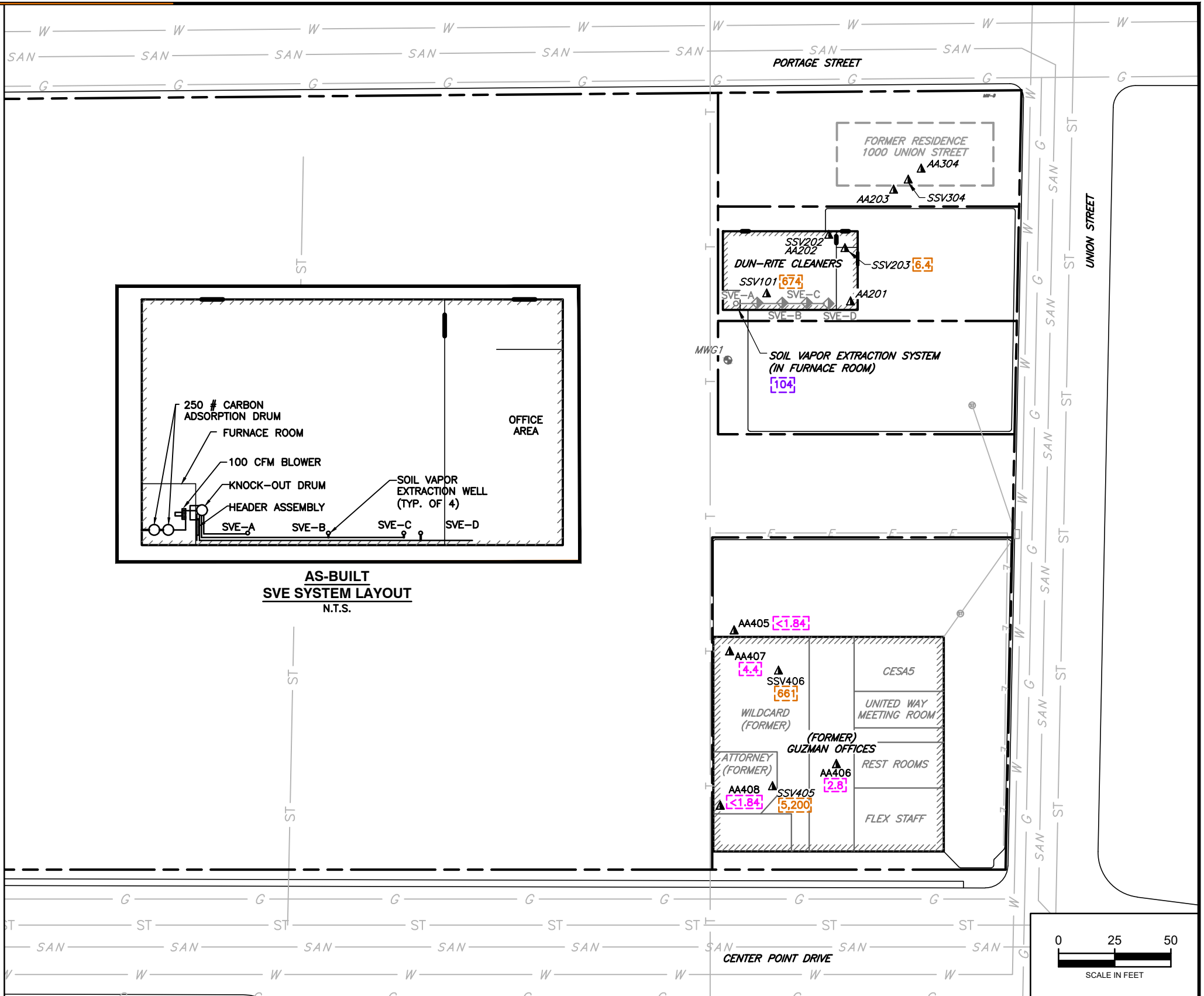
cc/enc: Mr. Richard Lewandowski/via email
Mr. Patrick Arendt/Noonan Arendt LLP, via email
Mr. Matt Thompson/WDNR, via RR Submittal Portal

Figure 1
Vapor Sample Locations and PCE Results April 2023



LEGEND

- PROPERTY BOUNDARY
- EDGE OF PAVEMENT
- W WATER LINE
- G GAS LINE
- SAN SANITARY SEWER
- ST STORM SEWER
- T UNDERGROUND TELEPHONE
- 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 ($\mu\text{G}/\text{M}^3$) APRIL 17, 2023
- 4.7 SUB-SLAB VAPOR PCE CONCENTRATIONS ($\mu\text{G}/\text{M}^3$) APRIL 17, 2023
- 213 BLOWER OUTLET PCE CONCENTRATIONS ($\mu\text{G}/\text{M}^3$) APRIL 17, 2023
- J ANALYTE WAS DETECTED BUT IS BLEW THE REPORTING LIMIT. THE CONCENTRATION IS ESTIMATED.
- <0.37 ANALYTE WAS NOT DETECTED

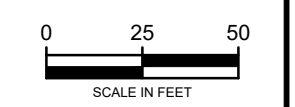


NOTES
EXISTING CONDITIONS AND EXISTING MONITORING WELL LOCATIONS TAKEN FROM SITE PLAN BY AECOM DATED SEPTEMBER 2013, JANUARY 2014 AND DIGITIZED PORTAGE COUNTY GIS 2010 AIR PHOTO



**VAPOR SAMPLE LOCATIONS
AND PCE RESULTS
APRIL 2023**

**DUN-RITE CLEANERS
1008 UNION STREET
STEVENS POINT, WISCONSIN**



DATE:	JUNE 2023
SCALE:	1"=50'
DRAWN BY:	ASR
APPROVED:	PDA

FIGURE 1

Table 1
Vapor Sample Results for Merge Office Building

Table 1
Vapor Sample Results for Merge (former Guzman) Office Building
1100 Center Point Drive
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					
	Non-Residential		180	8.8	
	Residential		42	2.1	
AA405	Outdoor	9/19/2014	<1.2	<0.92	
		2/27/2015	21	<0.38	
		9/4/2015	2.3	<0.40	
		10/5/2016	2.6	<0.41	
		6/16/2017	<0.41	<0.41	
		11/16/2017	0.99 J	8.9*	
		5/18/2018	<0.44	<0.42	
		11/2/2018	6.9	2.4	
		6/7/2019	<0.44	<0.36	
		9/23/2019	1.1	<0.38	
		5/7/2020	<0.43	<0.36	
		4/22/2021	<0.44	<0.29	
		9/29/2021	<0.48	<0.32	
		9/29/2021	<0.48	<0.32	
		10/21/2022	<0.37	<0.36	
		4/17/2023	<1.84	<1.22	
AA406	United Way	9/19/2014	2.1	1.3	
		2/27/2015	74	3.0	
		9/4/2015	4.7	2.0	
		2/16/2016	7.6	5.0	
		10/5/2016	44	5.8	
		6/16/2017	4.0	1.5	
		11/16/2017	8.2	6.2	
		5/18/2018	5.1	2.1	
		11/2/2018	4.8	<0.47	
		6/7/2019	4.0	1.8	
		9/23/2019	4.0	1.5	
		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	

Table 1
Vapor Sample Results for Merge (former Guzman) Office Building
1100 Center Point Drive
Stevens Point, Wisconsin

Ambient Air Samples (µg/m3)

Sample ID	Location	Date	Tetrachloroethene (PCE)	Trichloroethene (TCE)
Indoor Air Vapor Action Levels¹				
	Non-Residential		180	8.8
	Residential		42	2.1
AA407	NW Office (former Wildcard)	9/19/2014	4.0	<1.2
		2/27/2015	83	1.5
		9/4/2015	10	1.1
		2/16/2016	11	4.4
		10/5/2016	12	3.0
		6/16/2017	3.0	0.45 J
		11/16/2017	7.6	5.0
		5/18/2018	6.8	1.3
		11/12/2018	3.5	<0.47
		6/7/2019	2.5	<0.36
		9/23/2019	10.9	1.3
		5/7/2020	6.3	0.94
		10/22/2020	14.5	0.80 J
		4/22/2021	12.2	1.9
		9/29/2021	3.7	0.56 J
5/12/2022	3.0	0.77 J		
10/21/2022	6.7	1.7		
		4/17/2023	4.4	<1.22
AA408	SW Office (former Attorney)	9/19/2014	9.9	1.5
		2/23/2015	22	2.1
		9/4/2015	7.0	0.8
		2/16/2016	3.3	3.5
		10/5/2016	12	2.9
		6/16/2017	2.9	<0.38
		11/16/2017	22.4	118*
		5/18/2018	12.2	3.4
		11/2/2018	327	1.2
		12/5/2018	5.6	<0.39
		6/7/2019	21.3	0.54 J
		9/23/2019	8.5	2.2
		5/7/2020	6.0	0.95
		10/22/2020	23.9	0.53 J
		4/22/2021	13.3	1.8
9/29/2021	3.8	0.42 J		
5/12/2022	8.4	1.1		
10/21/2022	9.1	1.7		
		4/17/2023	<1.84	<1.22

Table 1
Vapor Sample Results for Merge (former Guzman) Office Building
1100 Center Point Drive
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 Levels²				
	Non-Residential		6,000	290
	Residential		<i>1,400</i>	70
SSV405	SW Office (former Attorney)	9/19/2014	7,470	139
		2/24/2015	17,800	183
		10/5/2016	22,300	175
		6/16/2017	17,400	111
		11/16/2017	17,100	130
		5/18/2018	29,800	168
		11/9/2018	11,200	149
		6/7/2019	6,710	64.4
		9/23/2019	28,800	152
		5/7/2020	15,700	134
		10/22/2020	26,500	118
		4/22/2021	38,600	356 J
		9/29/2021	6,790	91.2
		5/12/2022	11,200	172
10/21/2022	40,300	<399		
		4/17/2023	5,200	82
SSV406	NW Office (former Wildcard)	9/19/2014	11,300	<28
		2/27/2015	7,180	<24
		9/4/2015	68,200	16
		2/16/2016	9,940	11
		10/5/2016	37,400	15
		6/16/2017	15,500	9.1
		11/16/2017	11,500	9.6
		5/18/2018	12,500	11.2
		11/12/2018	13,600	12.8
		6/7/2019	<i>3,810</i>	<11.1
		9/23/2019	19,300	<6.8
		5/7/2020	<i>4,630</i>	4.7
		10/22/2020	10,900	7.6
		4/22/2021	12,700	10
9/29/2021	11,900	19.7		
5/12/2022	<i>3,200</i>	3.8		
10/21/2022	12,100	<49.9		
		4/17/2023	661	1.3

Notes:

- $\mu\text{g}/\text{m}^3$ micrograms per cubic meter
- <0.076 substance not detected above indicated detection limit
- 6,000** Level for Non-Residential Conditions
- 1,400* Level for Residential Conditions
- * sample marked by laboratory qualifier C8; "result may be biased high due to carryover from previously analyzed sample"
- J estimated
- highlighting indicates most recent results

¹ Vapor Action Levels obtained from the **Indoor Air Vapor Action Levels for Various VOCs**

² Screening level for Residential/Small Commercial Buildings (dilution factor of 33.3)

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Laboratory Report

Sand County Environmental

Sample Delivery Group: L1609359
Samples Received: 04/26/2023
Project Number:
Description: Dun-Rite

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

Entire Report Reviewed By:



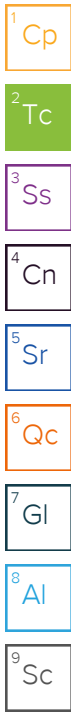
Jennifer A McCurdy
Project Manager

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

SSV101 L1609359-01 Air

Collected by
Pete Arntsen

Collected date/time
04/17/23 11:34

Received date/time
04/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2054930	1	05/05/23 18:55	05/05/23 18:55	DBB	Mt. Juliet, TN

SSV203 L1609359-02 Air

Collected by
Pete Arntsen

Collected date/time
04/17/23 11:22

Received date/time
04/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2054930	1	05/05/23 19:35	05/05/23 19:35	DBB	Mt. Juliet, TN

SSVV06 L1609359-03 Air

Collected by
Pete Arntsen

Collected date/time
04/17/23 10:12

Received date/time
04/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2054930	1	05/05/23 20:15	05/05/23 20:15	DBB	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2057429	1	05/10/23 12:21	05/10/23 12:21	AA	Mt. Juliet, TN

SSV405 L1609359-04 Air

Collected by
Pete Arntsen

Collected date/time
04/17/23 10:37

Received date/time
04/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2054930	1	05/05/23 20:55	05/05/23 20:55	DBB	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2057429	10	05/10/23 13:02	05/10/23 13:02	AA	Mt. Juliet, TN

BLOWER EXHAUST L1609359-05 Air

Collected by
Pete Arntsen

Collected date/time
04/17/23 11:44

Received date/time
04/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2057332	1	05/10/23 11:45	05/10/23 11:45	DBB	Mt. Juliet, TN

AA405 (OUTSIDE) L1609359-06 Air

Collected by
Pete Arntsen

Collected date/time
04/17/23 10:20

Received date/time
04/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2057332	1	05/10/23 12:16	05/10/23 12:16	DBB	Mt. Juliet, TN

AA408 (ATTORNEY) L1609359-07 Air

Collected by
Pete Arntsen

Collected date/time
04/17/23 16:05

Received date/time
04/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2057332	1	05/10/23 12:46	05/10/23 12:46	DBB	Mt. Juliet, TN

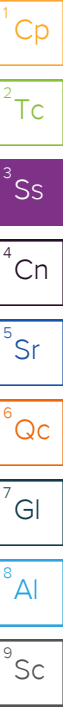
AA407 (WILDCARD) L1609359-08 Air

Collected by
Pete Arntsen

Collected date/time
04/17/23 16:30

Received date/time
04/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2057332	1	05/10/23 13:16	05/10/23 13:16	DBB	Mt. Juliet, TN



SAMPLE SUMMARY

AA407 (LOFTY) L1609359-09 Air

Collected by: Pete Arntsen
 Collected date/time: 04/17/23 16:35
 Received date/time: 04/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2054930	1	05/06/23 00:12	05/06/23 00:12	DBB	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2057332	1	05/10/23 13:46	05/10/23 13:46	DBB	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.



Jennifer A McCurdy
Project Manager

- 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	4.76	11.3		1	WG2054930
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2054930
Benzene	71-43-2	78.10	0.238	0.760	ND	ND		1	WG2054930
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2054930
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2054930
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2054930
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2054930
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2054930
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2054930
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2054930
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2054930
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2054930
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2054930
Chloromethane	74-87-3	50.50	0.343	0.708	ND	ND		1	WG2054930
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2054930
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2054930
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2054930
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2054930
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2054930
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2054930
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	ND	ND		1	WG2054930
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2054930
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2054930
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2054930
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2054930
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2054930
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2054930
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2054930
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2054930
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2054930
Ethanol	64-17-5	46.10	0.883	1.66	68.0	128		1	WG2054930
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2054930
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2054930
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	0.279	1.57		1	WG2054930
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	3.01	14.9		1	WG2054930
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2054930
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2054930
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2054930
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2054930
n-Hexane	110-54-3	86.20	0.687	2.42	1.39	4.90		1	WG2054930
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2054930
Methylene Chloride	75-09-2	84.90	0.326	1.13	2.07	7.19		1	WG2054930
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2054930
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	0.510	1.50		1	WG2054930
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	0.391	1.60		1	WG2054930
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2054930
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2054930
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2054930
2-Propanol	67-63-0	60.10	0.880	2.16	6.58	16.2		1	WG2054930
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2054930
Styrene	100-42-5	104	0.263	1.12	0.409	1.74		1	WG2054930
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2054930
Tetrachloroethylene	127-18-4	166	0.271	1.84	99.2	674		1	WG2054930
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	ND	ND		1	WG2054930
Toluene	108-88-3	92.10	0.290	1.09	6.82	25.7		1	WG2054930
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2054930

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	WG2054930
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2054930
Trichloroethylene	79-01-6	131	0.227	1.22	0.822	4.40		1	WG2054930
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	ND	ND		1	WG2054930
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2054930
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2054930
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2054930
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2054930
Vinyl acetate	108-05-4	86.10	0.387	1.36	ND	ND		1	WG2054930
Xylenes, Total	1330-20-7	106.16	0.450	1.95	0.787	3.42		1	WG2054930
m&p-Xylene	1330-20-7	106	0.450	1.95	0.531	2.30		1	WG2054930
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2054930
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG2054930

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	6.23	14.8		1	WG2054930
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2054930
Benzene	71-43-2	78.10	0.238	0.760	1.36	4.34		1	WG2054930
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2054930
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2054930
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2054930
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2054930
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2054930
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2054930
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2054930
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2054930
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2054930
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2054930
Chloromethane	74-87-3	50.50	0.343	0.708	ND	ND		1	WG2054930
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2054930
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2054930
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2054930
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2054930
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2054930
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2054930
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	ND	ND		1	WG2054930
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2054930
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2054930
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2054930
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2054930
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2054930
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2054930
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2054930
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2054930
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2054930
Ethanol	64-17-5	46.10	0.883	1.66	18.9	35.6		1	WG2054930
Ethylbenzene	100-41-4	106	0.278	1.21	5.23	22.7		1	WG2054930
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2054930
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	ND	ND		1	WG2054930
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	2.69	13.3		1	WG2054930
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2054930
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2054930
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2054930
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2054930
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2054930
Isopropylbenzene	98-82-8	120.20	0.259	1.27	0.535	2.63		1	WG2054930
Methylene Chloride	75-09-2	84.90	0.326	1.13	0.520	1.81		1	WG2054930
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2054930
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	1.35	3.98		1	WG2054930
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2054930
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2054930
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2054930
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2054930
2-Propanol	67-63-0	60.10	0.880	2.16	2.89	7.10		1	WG2054930
Propene	115-07-1	42.10	0.311	0.536	0.557	0.959		1	WG2054930
Styrene	100-42-5	104	0.263	1.12	0.579	2.46		1	WG2054930
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2054930
Tetrachloroethylene	127-18-4	166	0.271	1.84	0.945	6.42		1	WG2054930
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	ND	ND		1	WG2054930
Toluene	108-88-3	92.10	0.290	1.09	22.8	85.9		1	WG2054930
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2054930

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	WG2054930
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2054930
Trichloroethylene	79-01-6	131	0.227	1.22	ND	ND		1	WG2054930
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	0.583	2.86		1	WG2054930
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2054930
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2054930
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2054930
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2054930
Vinyl acetate	108-05-4	86.10	0.387	1.36	ND	ND		1	WG2054930
Xylenes, Total	1330-20-7	106.16	0.450	1.95	6.97	30.3		1	WG2054930
m&p-Xylene	1330-20-7	106	0.450	1.95	4.91	21.3		1	WG2054930
o-Xylene	95-47-6	106	0.276	1.20	2.06	8.93		1	WG2054930
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG2054930

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	8.02	19.1		1	WG2057429
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2057429
Benzene	71-43-2	78.10	0.238	0.760	ND	ND		1	WG2057429
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2054930
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2057429
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2054930
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2057429
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2057429
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2057429
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2057429
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2057429
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2057429
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2057429
Chloromethane	74-87-3	50.50	0.343	0.708	0.418	0.863		1	WG2057429
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2054930
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2057429
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2057429
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2057429
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2054930
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2054930
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	0.766	4.61		1	WG2054930
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2057429
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2057429
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2057429
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2057429
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2057429
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2057429
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2057429
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2057429
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2057429
Ethanol	64-17-5	46.10	0.883	1.66	62.0	117		1	WG2057429
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2054930
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2054930
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	ND	ND		1	WG2057429
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	1.19	5.89		1	WG2057429
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2057429
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2057429
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2057429
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2054930
n-Hexane	110-54-3	86.20	0.687	2.42	0.789	2.78		1	WG2057429
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2054930
Methylene Chloride	75-09-2	84.90	0.326	1.13	0.703	2.44		1	WG2057429
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2057429
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	1.03	3.04		1	WG2057429
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	0.321	1.31		1	WG2057429
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2057429
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2057429
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2054930
2-Propanol	67-63-0	60.10	0.880	2.16	6.45	15.9		1	WG2057429
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2057429
Styrene	100-42-5	104	0.263	1.12	0.301	1.28		1	WG2054930
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2054930
Tetrachloroethylene	127-18-4	166	0.271	1.84	97.4	661		1	WG2057429
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	0.406	1.20		1	WG2057429
Toluene	108-88-3	92.10	0.290	1.09	8.25	31.1		1	WG2057429
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2054930

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	WG2057429
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2057429
Trichloroethylene	79-01-6	131	0.227	1.22	0.234	1.25		1	WG2057429
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	ND	ND		1	WG2054930
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2054930
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2057429
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2057429
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2057429
Vinyl acetate	108-05-4	86.10	0.387	1.36	ND	ND		1	WG2057429
Xylenes, Total	1330-20-7	106.16	0.450	1.95	0.777	3.37		1	WG2054930
m&p-Xylene	1330-20-7	106	0.450	1.95	0.536	2.32		1	WG2054930
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2054930
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG2054930
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		92.8				WG2057429

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	4.22	10.0		1	WG2054930
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2054930
Benzene	71-43-2	78.10	2.38	7.60	ND	ND		10	WG2057429
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2054930
Bromodichloromethane	75-27-4	164	2.34	15.7	ND	ND		10	WG2057429
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2054930
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2054930
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2054930
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2054930
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2054930
Chlorobenzene	108-90-7	113	2.77	12.8	ND	ND		10	WG2057429
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2054930
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2054930
Chloromethane	74-87-3	50.50	0.343	0.708	ND	ND		1	WG2054930
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2054930
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2054930
Dibromochloromethane	124-48-1	208	2.42	20.6	ND	ND		10	WG2057429
1,2-Dibromoethane	106-93-4	188	2.40	18.5	ND	ND		10	WG2057429
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2054930
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2054930
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	0.319	1.92		1	WG2054930
1,2-Dichloroethane	107-06-2	99	2.33	9.43	ND	ND		10	WG2057429
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2054930
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2054930
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2054930
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2054930
1,2-Dichloropropane	78-87-5	113	2.53	11.7	ND	ND		10	WG2057429
cis-1,3-Dichloropropene	10061-01-5	111	2.30	10.4	ND	ND		10	WG2057429
trans-1,3-Dichloropropene	10061-02-6	111	2.43	11.0	ND	ND		10	WG2057429
1,4-Dioxane	123-91-1	88.10	2.78	10.0	ND	ND		10	WG2057429
Ethanol	64-17-5	46.10	0.883	1.66	23.4	44.1		1	WG2054930
Ethylbenzene	100-41-4	106	0.278	1.21	0.333	1.44		1	WG2054930
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2054930
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	ND	ND		1	WG2054930
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	1.35	6.68		1	WG2054930
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2054930
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2054930
Heptane	142-82-5	100	3.47	14.2	ND	ND		10	WG2057429
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2054930
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2054930
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2054930
Methylene Chloride	75-09-2	84.90	0.326	1.13	0.585	2.03		1	WG2054930
Methyl Butyl Ketone	591-78-6	100	4.43	18.1	ND	ND		10	WG2057429
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	1.30	3.83		1	WG2054930
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	2.55	10.4	ND	ND		10	WG2057429
Methyl methacrylate	80-62-6	100.12	2.92	12.0	ND	ND		10	WG2057429
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2054930
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2054930
2-Propanol	67-63-0	60.10	0.880	2.16	2.51	6.17		1	WG2054930
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2054930
Styrene	100-42-5	104	0.263	1.12	1.19	5.06		1	WG2054930
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2054930
Tetrachloroethylene	127-18-4	166	2.71	18.4	766	5200		10	WG2057429
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	ND	ND		1	WG2054930
Toluene	108-88-3	92.10	2.90	10.9	8.71	32.8		10	WG2057429
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2054930

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	WG2054930
1,1,2-Trichloroethane	79-00-5	133	2.58	14.0	ND	ND		10	WG2057429
Trichloroethylene	79-01-6	131	2.27	12.2	15.3	82.0		10	WG2057429
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	0.310	1.52		1	WG2054930
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2054930
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2054930
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2054930
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2054930
Vinyl acetate	108-05-4	86.10	0.387	1.36	ND	ND		1	WG2054930
Xylenes, Total	1330-20-7	106.16	0.450	1.95	1.69	7.34		1	WG2054930
m&p-Xylene	1330-20-7	106	0.450	1.95	1.12	4.86		1	WG2054930
o-Xylene	95-47-6	106	0.276	1.20	0.574	2.49		1	WG2054930
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		106				WG2054930
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.5				WG2057429

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

BLOWER EXHAUST

Collected date/time: 04/17/23 11:44

SAMPLE RESULTS - 05

L1609359

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	3.89	9.24		1	WG2057332
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2057332
Benzene	71-43-2	78.10	0.238	0.760	ND	ND		1	WG2057332
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2057332
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2057332
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2057332
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2057332
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2057332
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2057332
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2057332
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2057332
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2057332
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2057332
Chloromethane	74-87-3	50.50	0.343	0.708	0.473	0.977		1	WG2057332
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2057332
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2057332
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2057332
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2057332
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2057332
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2057332
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	ND	ND		1	WG2057332
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2057332
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2057332
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2057332
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2057332
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2057332
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2057332
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2057332
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2057332
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2057332
Ethanol	64-17-5	46.10	0.883	1.66	60.8	115		1	WG2057332
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2057332
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2057332
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	ND	ND		1	WG2057332
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	3.26	16.1		1	WG2057332
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2057332
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2057332
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2057332
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2057332
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2057332
Isopropylbenzene	98-82-8	120.20	0.259	1.27	0.273	1.34		1	WG2057332
Methylene Chloride	75-09-2	84.90	0.326	1.13	1.68	5.83		1	WG2057332
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2057332
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	0.388	1.14		1	WG2057332
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	0.370	1.51		1	WG2057332
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2057332
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2057332
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2057332
2-Propanol	67-63-0	60.10	0.880	2.16	8.34	20.5		1	WG2057332
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2057332
Styrene	100-42-5	104	0.263	1.12	ND	ND		1	WG2057332
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2057332
Tetrachloroethylene	127-18-4	166	0.271	1.84	15.3	104		1	WG2057332
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	ND	ND		1	WG2057332
Toluene	108-88-3	92.10	0.290	1.09	1.42	5.35		1	WG2057332
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2057332

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCOUNT:

Sand County Environmental

PROJECT:

SDG:

L1609359

DATE/TIME:

05/11/23 16:36

PAGE:

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BLOWER EXHAUST

Collected date/time: 04/17/23 11:44

SAMPLE RESULTS - 05

L1609359

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	WG2057332
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2057332
Trichloroethylene	79-01-6	131	0.227	1.22	ND	ND		1	WG2057332
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	ND	ND		1	WG2057332
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2057332
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2057332
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2057332
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2057332
Vinyl acetate	108-05-4	86.10	0.387	1.36	ND	ND		1	WG2057332
Xylenes, Total	1330-20-7	106.16	0.450	1.95	ND	ND		1	WG2057332
m&p-Xylene	1330-20-7	106	0.450	1.95	ND	ND		1	WG2057332
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2057332
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				WG2057332

- 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	ND	ND		1	WG2057332
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2057332
Benzene	71-43-2	78.10	0.238	0.760	ND	ND		1	WG2057332
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2057332
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2057332
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2057332
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2057332
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2057332
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2057332
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2057332
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2057332
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2057332
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2057332
Chloromethane	74-87-3	50.50	0.343	0.708	0.533	1.10		1	WG2057332
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2057332
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2057332
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2057332
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2057332
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2057332
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2057332
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	0.320	1.92		1	WG2057332
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2057332
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2057332
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2057332
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2057332
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2057332
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2057332
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2057332
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2057332
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2057332
Ethanol	64-17-5	46.10	0.883	1.66	7.41	14.0		1	WG2057332
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2057332
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2057332
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	ND	ND		1	WG2057332
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	0.538	2.66		1	WG2057332
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2057332
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2057332
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2057332
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2057332
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2057332
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2057332
Methylene Chloride	75-09-2	84.90	0.326	1.13	ND	ND		1	WG2057332
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2057332
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	ND	ND		1	WG2057332
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2057332
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2057332
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2057332
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2057332
2-Propanol	67-63-0	60.10	0.880	2.16	4.62	11.4		1	WG2057332
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2057332
Styrene	100-42-5	104	0.263	1.12	ND	ND		1	WG2057332
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2057332
Tetrachloroethylene	127-18-4	166	0.271	1.84	ND	ND		1	WG2057332
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	ND	ND		1	WG2057332
Toluene	108-88-3	92.10	0.290	1.09	ND	ND		1	WG2057332
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2057332

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	WG2057332
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2057332
Trichloroethylene	79-01-6	131	0.227	1.22	ND	ND		1	WG2057332
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	ND	ND		1	WG2057332
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2057332
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2057332
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2057332
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2057332
Vinyl acetate	108-05-4	86.10	0.387	1.36	ND	ND		1	WG2057332
Xylenes, Total	1330-20-7	106.16	0.450	1.95	ND	ND		1	WG2057332
m&p-Xylene	1330-20-7	106	0.450	1.95	ND	ND		1	WG2057332
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2057332
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		102				WG2057332

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	ND	ND		1	WG2057332
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2057332
Benzene	71-43-2	78.10	0.238	0.760	ND	ND		1	WG2057332
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2057332
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2057332
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2057332
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2057332
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2057332
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2057332
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2057332
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2057332
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2057332
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2057332
Chloromethane	74-87-3	50.50	0.343	0.708	0.551	1.14		1	WG2057332
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2057332
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2057332
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2057332
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2057332
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2057332
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2057332
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	3.83	23.0		1	WG2057332
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2057332
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2057332
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2057332
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2057332
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2057332
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2057332
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2057332
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2057332
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2057332
Ethanol	64-17-5	46.10	0.883	1.66	9.74	18.4		1	WG2057332
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2057332
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2057332
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	ND	ND		1	WG2057332
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	1.13	5.59		1	WG2057332
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2057332
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2057332
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2057332
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2057332
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2057332
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2057332
Methylene Chloride	75-09-2	84.90	0.326	1.13	ND	ND		1	WG2057332
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2057332
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	ND	ND		1	WG2057332
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2057332
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2057332
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2057332
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2057332
2-Propanol	67-63-0	60.10	0.880	2.16	ND	ND		1	WG2057332
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2057332
Styrene	100-42-5	104	0.263	1.12	ND	ND		1	WG2057332
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2057332
Tetrachloroethylene	127-18-4	166	0.271	1.84	ND	ND		1	WG2057332
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	ND	ND		1	WG2057332
Toluene	108-88-3	92.10	0.290	1.09	ND	ND		1	WG2057332
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2057332

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	WG2057332
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2057332
Trichloroethylene	79-01-6	131	0.227	1.22	ND	ND		1	WG2057332
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	ND	ND		1	WG2057332
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2057332
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2057332
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2057332
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2057332
Vinyl acetate	108-05-4	86.10	0.387	1.36	ND	ND		1	WG2057332
Xylenes, Total	1330-20-7	106.16	0.450	1.95	ND	ND		1	WG2057332
m&p-Xylene	1330-20-7	106	0.450	1.95	ND	ND		1	WG2057332
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2057332
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				WG2057332

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	2.76	6.56		1	WG2057332
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2057332
Benzene	71-43-2	78.10	0.238	0.760	ND	ND		1	WG2057332
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2057332
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2057332
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2057332
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2057332
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2057332
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2057332
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2057332
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2057332
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2057332
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2057332
Chloromethane	74-87-3	50.50	0.343	0.708	0.589	1.22		1	WG2057332
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2057332
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2057332
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2057332
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2057332
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2057332
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2057332
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	6.01	36.1		1	WG2057332
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2057332
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2057332
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2057332
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2057332
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2057332
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2057332
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2057332
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2057332
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2057332
Ethanol	64-17-5	46.10	0.883	1.66	37.5	70.7		1	WG2057332
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2057332
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2057332
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	ND	ND		1	WG2057332
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	1.55	7.67		1	WG2057332
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2057332
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2057332
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2057332
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2057332
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2057332
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2057332
Methylene Chloride	75-09-2	84.90	0.326	1.13	0.763	2.65		1	WG2057332
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2057332
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	0.395	1.16		1	WG2057332
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2057332
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2057332
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2057332
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2057332
2-Propanol	67-63-0	60.10	0.880	2.16	2.71	6.66		1	WG2057332
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2057332
Styrene	100-42-5	104	0.263	1.12	ND	ND		1	WG2057332
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2057332
Tetrachloroethylene	127-18-4	166	0.271	1.84	0.651	4.42		1	WG2057332
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	ND	ND		1	WG2057332
Toluene	108-88-3	92.10	0.290	1.09	0.338	1.27		1	WG2057332
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2057332

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	WG2057332
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2057332
Trichloroethylene	79-01-6	131	0.227	1.22	ND	ND		1	WG2057332
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	ND	ND		1	WG2057332
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2057332
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2057332
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2057332
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2057332
Vinyl acetate	108-05-4	86.10	0.387	1.36	ND	ND		1	WG2057332
Xylenes, Total	1330-20-7	106.16	0.450	1.95	ND	ND		1	WG2057332
m&p-Xylene	1330-20-7	106	0.450	1.95	ND	ND		1	WG2057332
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2057332
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		102				WG2057332

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	5.59	13.3		1	WG2054930
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2054930
Benzene	71-43-2	78.10	0.238	0.760	ND	ND		1	WG2057332
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2057332
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2057332
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2057332
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2054930
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2054930
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2054930
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2054930
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2057332
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2054930
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2054930
Chloromethane	74-87-3	50.50	0.343	0.708	0.673	1.39		1	WG2054930
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2057332
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2054930
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2057332
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2057332
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2057332
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2057332
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	12.0	72.1		1	WG2057332
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2057332
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2054930
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2054930
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2054930
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2054930
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2057332
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2057332
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2057332
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2057332
Ethanol	64-17-5	46.10	0.883	1.66	71.0	134		1	WG2054930
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2057332
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2057332
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	0.274	1.54		1	WG2054930
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	1.08	5.34		1	WG2054930
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2054930
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2054930
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2057332
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2057332
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2054930
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2057332
Methylene Chloride	75-09-2	84.90	0.326	1.13	1.96	6.81		1	WG2054930
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2057332
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	0.621	1.83		1	WG2054930
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2057332
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2057332
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2054930
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2057332
2-Propanol	67-63-0	60.10	0.880	2.16	4.77	11.7		1	WG2054930
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2054930
Styrene	100-42-5	104	0.263	1.12	ND	ND		1	WG2057332
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2057332
Tetrachloroethylene	127-18-4	166	0.271	1.84	0.408	2.77		1	WG2057332
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	ND	ND		1	WG2054930
Toluene	108-88-3	92.10	0.290	1.09	0.406	1.53		1	WG2057332
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2057332

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	WG2054930
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2057332
Trichloroethylene	79-01-6	131	0.227	1.22	ND	ND		1	WG2057332
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	ND	ND		1	WG2057332
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2057332
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2054930
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2054930
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2054930
Vinyl acetate	108-05-4	86.10	0.387	1.36	ND	ND		1	WG2054930
Xylenes, Total	1330-20-7	106.16	0.450	1.95	ND	ND		1	WG2057332
m&p-Xylene	1330-20-7	106	0.450	1.95	ND	ND		1	WG2057332
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2057332
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG2054930
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				WG2057332

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3921452-2 05/05/23 10:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	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) R3921452-2 05/05/23 10:14

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	102			60.0-140

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) R3921452-1 05/05/23 09:35 • (LCSD) R3921452-3 05/05/23 10:55

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	3.14	3.17	83.7	84.5	70.0-130			0.951	25
Allyl Chloride	3.75	3.77	3.60	101	96.0	70.0-130			4.61	25
Benzene	3.75	3.86	3.82	103	102	70.0-130			1.04	25
Benzyl Chloride	3.75	3.73	3.69	99.5	98.4	70.0-152			1.08	25

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

(LCS) R3921452-1 05/05/23 09:35 • (LCSD) R3921452-3 05/05/23 10:55

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	3.79	3.82	101	102	70.0-130			0.788	25
Bromoform	3.75	3.87	3.85	103	103	70.0-130			0.518	25
Bromomethane	3.75	4.33	4.20	115	112	70.0-130			3.05	25
1,3-Butadiene	3.75	3.96	3.93	106	105	70.0-130			0.760	25
Carbon disulfide	3.75	3.70	3.72	98.7	99.2	70.0-130			0.539	25
Carbon tetrachloride	3.75	3.91	3.91	104	104	70.0-130			0.000	25
Chlorobenzene	3.75	3.94	3.84	105	102	70.0-130			2.57	25
Chloroethane	3.75	4.35	4.26	116	114	70.0-130			2.09	25
Chloroform	3.75	3.72	3.70	99.2	98.7	70.0-130			0.539	25
Chloromethane	3.75	3.43	3.42	91.5	91.2	70.0-130			0.292	25
2-Chlorotoluene	3.75	4.01	4.00	107	107	70.0-130			0.250	25
Cyclohexane	3.75	3.82	3.80	102	101	70.0-130			0.525	25
Dibromochloromethane	3.75	4.04	3.99	108	106	70.0-130			1.25	25
1,2-Dibromoethane	3.75	3.90	3.84	104	102	70.0-130			1.55	25
1,2-Dichlorobenzene	3.75	3.93	3.90	105	104	70.0-130			0.766	25
1,3-Dichlorobenzene	3.75	3.94	3.92	105	105	70.0-130			0.509	25
1,4-Dichlorobenzene	3.75	4.08	4.03	109	107	70.0-130			1.23	25
1,2-Dichloroethane	3.75	3.73	3.71	99.5	98.9	70.0-130			0.538	25
1,1-Dichloroethane	3.75	3.65	3.63	97.3	96.8	70.0-130			0.549	25
1,1-Dichloroethene	3.75	3.72	3.63	99.2	96.8	70.0-130			2.45	25
cis-1,2-Dichloroethene	3.75	3.60	3.65	96.0	97.3	70.0-130			1.38	25
trans-1,2-Dichloroethene	3.75	3.70	3.66	98.7	97.6	70.0-130			1.09	25
1,2-Dichloropropane	3.75	3.67	3.67	97.9	97.9	70.0-130			0.000	25
cis-1,3-Dichloropropene	3.75	3.74	3.69	99.7	98.4	70.0-130			1.35	25
trans-1,3-Dichloropropene	3.75	3.75	3.77	100	101	70.0-130			0.532	25
1,4-Dioxane	3.75	3.01	3.02	80.3	80.5	70.0-140			0.332	25
Ethanol	3.75	3.19	3.17	85.1	84.5	55.0-148			0.629	25
Ethylbenzene	3.75	3.70	3.68	98.7	98.1	70.0-130			0.542	25
4-Ethyltoluene	3.75	3.94	3.88	105	103	70.0-130			1.53	25
Trichlorofluoromethane	3.75	4.49	4.50	120	120	70.0-130			0.222	25
Dichlorodifluoromethane	3.75	3.59	3.21	95.7	85.6	64.0-139			11.2	25
1,1,2-Trichlorotrifluoroethane	3.75	3.80	3.84	101	102	70.0-130			1.05	25
1,2-Dichlorotetrafluoroethane	3.75	3.83	3.53	102	94.1	70.0-130			8.15	25
Heptane	3.75	3.76	3.70	100	98.7	70.0-130			1.61	25
Hexachloro-1,3-butadiene	3.75	3.91	3.95	104	105	70.0-151			1.02	25
n-Hexane	3.75	3.69	3.67	98.4	97.9	70.0-130			0.543	25
Isopropylbenzene	3.75	3.99	3.91	106	104	70.0-130			2.03	25
Methylene Chloride	3.75	3.42	3.50	91.2	93.3	70.0-130			2.31	25
Methyl Butyl Ketone	3.75	2.87	2.79	76.5	74.4	70.0-149			2.83	25
Methyl Ethyl Ketone	3.75	3.61	3.71	96.3	98.9	70.0-130			2.73	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) R3921452-1 05/05/23 09:35 • (LCSD) R3921452-3 05/05/23 10:55

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	2.99	2.97	79.7	79.2	70.0-139			0.671	25
Methyl Methacrylate	3.75	3.51	3.50	93.6	93.3	70.0-130			0.285	25
MTBE	3.75	3.64	3.62	97.1	96.5	70.0-130			0.551	25
Naphthalene	3.75	3.56	3.56	94.9	94.9	70.0-159			0.000	25
2-Propanol	3.75	3.28	3.26	87.5	86.9	70.0-139			0.612	25
Propene	3.75	3.27	3.23	87.2	86.1	64.0-144			1.23	25
Styrene	3.75	4.14	4.08	110	109	70.0-130			1.46	25
1,1,2,2-Tetrachloroethane	3.75	3.60	3.55	96.0	94.7	70.0-130			1.40	25
Tetrachloroethylene	3.75	4.00	3.99	107	106	70.0-130			0.250	25
Tetrahydrofuran	3.75	3.45	3.42	92.0	91.2	70.0-137			0.873	25
Toluene	3.75	3.95	3.91	105	104	70.0-130			1.02	25
1,2,4-Trichlorobenzene	3.75	3.56	3.64	94.9	97.1	70.0-160			2.22	25
1,1,1-Trichloroethane	3.75	3.85	3.83	103	102	70.0-130			0.521	25
1,1,2-Trichloroethane	3.75	3.82	3.77	102	101	70.0-130			1.32	25
Trichloroethylene	3.75	3.81	3.76	102	100	70.0-130			1.32	25
1,2,4-Trimethylbenzene	3.75	4.16	4.07	111	109	70.0-130			2.19	25
1,3,5-Trimethylbenzene	3.75	4.04	4.04	108	108	70.0-130			0.000	25
2,2,4-Trimethylpentane	3.75	3.72	3.71	99.2	98.9	70.0-130			0.269	25
Vinyl chloride	3.75	4.10	4.03	109	107	70.0-130			1.72	25
Vinyl Bromide	3.75	4.38	4.39	117	117	70.0-130			0.228	25
Vinyl acetate	3.75	3.41	3.41	90.9	90.9	70.0-130			0.000	25
Xylenes, Total	11.3	11.5	11.4	102	101	70.0-130			0.873	25
m&p-Xylene	7.50	7.74	7.67	103	102	70.0-130			0.908	25
o-Xylene	3.75	3.78	3.68	101	98.1	70.0-130			2.68	25
(S) 1,4-Bromofluorobenzene				100	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) R3923461-3 05/10/23 10:15

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	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

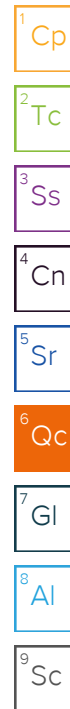
⁸Al

⁹Sc

Method Blank (MB)

(MB) R3923461-3 05/10/23 10:15

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	103			60.0-140



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

(LCS) R3923461-1 05/10/23 08:45 • (LCSD) R3923461-2 05/10/23 09:16

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	3.63	3.53	96.8	94.1	70.0-130			2.79	25
Allyl Chloride	3.75	3.53	3.56	94.1	94.9	70.0-130			0.846	25
Benzene	3.75	3.62	3.65	96.5	97.3	70.0-130			0.825	25
Benzyl Chloride	3.75	3.69	3.47	98.4	92.5	70.0-152			6.15	25

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

(LCS) R3923461-1 05/10/23 08:45 • (LCSD) R3923461-2 05/10/23 09:16

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromodichloromethane	3.75	3.69	3.69	98.4	98.4	70.0-130			0.000	25
Bromoform	3.75	3.86	3.78	103	101	70.0-130			2.09	25
Bromomethane	3.75	4.06	4.04	108	108	70.0-130			0.494	25
1,3-Butadiene	3.75	3.69	3.70	98.4	98.7	70.0-130			0.271	25
Carbon disulfide	3.75	3.82	3.80	102	101	70.0-130			0.525	25
Carbon tetrachloride	3.75	3.65	3.67	97.3	97.9	70.0-130			0.546	25
Chlorobenzene	3.75	4.02	3.99	107	106	70.0-130			0.749	25
Chloroethane	3.75	3.82	3.80	102	101	70.0-130			0.525	25
Chloroform	3.75	3.66	3.68	97.6	98.1	70.0-130			0.545	25
Chloromethane	3.75	3.95	3.87	105	103	70.0-130			2.05	25
2-Chlorotoluene	3.75	3.98	3.84	106	102	70.0-130			3.58	25
Cyclohexane	3.75	3.60	3.65	96.0	97.3	70.0-130			1.38	25
Dibromochloromethane	3.75	3.93	3.79	105	101	70.0-130			3.63	25
1,2-Dibromoethane	3.75	3.96	3.94	106	105	70.0-130			0.506	25
1,2-Dichlorobenzene	3.75	4.23	4.14	113	110	70.0-130			2.15	25
1,3-Dichlorobenzene	3.75	4.20	4.09	112	109	70.0-130			2.65	25
1,4-Dichlorobenzene	3.75	4.17	4.02	111	107	70.0-130			3.66	25
1,2-Dichloroethane	3.75	3.79	3.72	101	99.2	70.0-130			1.86	25
1,1-Dichloroethane	3.75	3.76	3.78	100	101	70.0-130			0.531	25
1,1-Dichloroethene	3.75	3.82	3.81	102	102	70.0-130			0.262	25
cis-1,2-Dichloroethene	3.75	3.62	3.61	96.5	96.3	70.0-130			0.277	25
trans-1,2-Dichloroethene	3.75	3.80	3.83	101	102	70.0-130			0.786	25
1,2-Dichloropropane	3.75	3.66	3.62	97.6	96.5	70.0-130			1.10	25
cis-1,3-Dichloropropene	3.75	3.67	3.64	97.9	97.1	70.0-130			0.821	25
trans-1,3-Dichloropropene	3.75	3.73	3.63	99.5	96.8	70.0-130			2.72	25
1,4-Dioxane	3.75	4.40	4.17	117	111	70.0-140			5.37	25
Ethanol	3.75	3.53	3.25	94.1	86.7	55.0-148			8.26	25
Ethylbenzene	3.75	3.85	3.73	103	99.5	70.0-130			3.17	25
4-Ethyltoluene	3.75	4.19	4.03	112	107	70.0-130			3.89	25
Trichlorofluoromethane	3.75	3.93	3.99	105	106	70.0-130			1.52	25
Dichlorodifluoromethane	3.75	4.33	4.29	115	114	64.0-139			0.928	25
1,1,2-Trichlorotrifluoroethane	3.75	3.88	3.87	103	103	70.0-130			0.258	25
1,2-Dichlorotetrafluoroethane	3.75	4.07	4.08	109	109	70.0-130			0.245	25
Heptane	3.75	3.52	3.54	93.9	94.4	70.0-130			0.567	25
Hexachloro-1,3-butadiene	3.75	4.40	4.32	117	115	70.0-151			1.83	25
n-Hexane	3.75	3.59	3.55	95.7	94.7	70.0-130			1.12	25
Isopropylbenzene	3.75	4.06	3.93	108	105	70.0-130			3.25	25
Methylene Chloride	3.75	3.66	3.68	97.6	98.1	70.0-130			0.545	25
Methyl Butyl Ketone	3.75	4.49	4.27	120	114	70.0-149			5.02	25
Methyl Ethyl Ketone	3.75	3.93	3.74	105	99.7	70.0-130			4.95	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) R3923461-1 05/10/23 08:45 • (LCSD) R3923461-2 05/10/23 09:16

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	5.00	4.68	133	125	70.0-139			6.61	25
Methyl Methacrylate	3.75	3.85	3.67	103	97.9	70.0-130			4.79	25
MTBE	3.75	3.89	3.72	104	99.2	70.0-130			4.47	25
Naphthalene	3.75	4.35	4.26	116	114	70.0-159			2.09	25
2-Propanol	3.75	3.81	3.66	102	97.6	70.0-139			4.02	25
Propene	3.75	3.82	3.81	102	102	64.0-144			0.262	25
Styrene	3.75	3.94	3.86	105	103	70.0-130			2.05	25
1,1,2,2-Tetrachloroethane	3.75	4.01	3.90	107	104	70.0-130			2.78	25
Tetrachloroethylene	3.75	3.96	3.93	106	105	70.0-130			0.760	25
Tetrahydrofuran	3.75	3.70	3.49	98.7	93.1	70.0-137			5.84	25
Toluene	3.75	3.79	3.79	101	101	70.0-130			0.000	25
1,2,4-Trichlorobenzene	3.75	4.38	4.25	117	113	70.0-160			3.01	25
1,1,1-Trichloroethane	3.75	3.63	3.62	96.8	96.5	70.0-130			0.276	25
1,1,2-Trichloroethane	3.75	3.84	3.87	102	103	70.0-130			0.778	25
Trichloroethylene	3.75	3.76	3.78	100	101	70.0-130			0.531	25
1,2,4-Trimethylbenzene	3.75	4.19	4.08	112	109	70.0-130			2.66	25
1,3,5-Trimethylbenzene	3.75	4.16	4.02	111	107	70.0-130			3.42	25
2,2,4-Trimethylpentane	3.75	3.60	3.59	96.0	95.7	70.0-130			0.278	25
Vinyl chloride	3.75	3.98	3.99	106	106	70.0-130			0.251	25
Vinyl Bromide	3.75	3.91	3.89	104	104	70.0-130			0.513	25
Vinyl acetate	3.75	3.59	3.49	95.7	93.1	70.0-130			2.82	25
Xylenes, Total	11.3	11.9	11.5	105	102	70.0-130			3.42	25
m&p-Xylene	7.50	7.90	7.65	105	102	70.0-130			3.22	25
o-Xylene	3.75	3.95	3.85	105	103	70.0-130			2.56	25
(S) 1,4-Bromofluorobenzene				103	101	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) R3923568-3 05/10/23 10:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Acetone	U		0.584	1.95
Allyl Chloride	U		0.114	0.380
Benzene	U		0.0715	0.238
Bromodichloromethane	U		0.0702	0.234
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
Cyclohexane	U		0.0753	0.251
Dibromochloromethane	U		0.0727	0.242
1,2-Dibromoethane	U		0.0721	0.240
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	0.334	U	0.265	0.883
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
n-Hexane	U		0.206	0.687
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
2-Propanol	U		0.264	0.880
Propene	U		0.0932	0.311
Tetrachloroethylene	U		0.0814	0.271

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3923568-3 05/10/23 10:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Tetrahydrofuran	U		0.0734	0.245
Toluene	U		0.0870	0.290
1,1,1-Trichloroethane	U		0.0736	0.245
1,1,2-Trichloroethane	U		0.0775	0.258
Trichloroethylene	U		0.0680	0.227
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
(S) 1,4-Bromofluorobenzene	95.7			60.0-140

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

(LCS) R3923568-1 05/10/23 08:53 • (LCSD) R3923568-2 05/10/23 09:37

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	3.44	3.46	91.7	92.3	70.0-130			0.580	25
Allyl Chloride	3.75	3.39	3.60	90.4	96.0	70.0-130			6.01	25
Benzene	3.75	4.01	4.01	107	107	70.0-130			0.000	25
Bromodichloromethane	3.75	4.00	4.06	107	108	70.0-130			1.49	25
Bromomethane	3.75	3.42	3.58	91.2	95.5	70.0-130			4.57	25
1,3-Butadiene	3.75	2.75	2.94	73.3	78.4	70.0-130			6.68	25
Carbon disulfide	3.75	3.51	3.60	93.6	96.0	70.0-130			2.53	25
Carbon tetrachloride	3.75	4.05	4.25	108	113	70.0-130			4.82	25
Chlorobenzene	3.75	4.29	4.33	114	115	70.0-130			0.928	25
Chloroethane	3.75	3.25	3.40	86.7	90.7	70.0-130			4.51	25
Chloroform	3.75	3.93	4.00	105	107	70.0-130			1.77	25
Chloromethane	3.75	3.14	3.32	83.7	88.5	70.0-130			5.57	25
Cyclohexane	3.75	3.79	3.89	101	104	70.0-130			2.60	25
Dibromochloromethane	3.75	4.19	4.21	112	112	70.0-130			0.476	25
1,2-Dibromoethane	3.75	4.03	4.05	107	108	70.0-130			0.495	25
1,2-Dichloroethane	3.75	3.92	3.96	105	106	70.0-130			1.02	25
1,1-Dichloroethane	3.75	3.70	3.84	98.7	102	70.0-130			3.71	25
1,1-Dichloroethene	3.75	3.74	3.82	99.7	102	70.0-130			2.12	25
cis-1,2-Dichloroethene	3.75	3.63	3.82	96.8	102	70.0-130			5.10	25
trans-1,2-Dichloroethene	3.75	3.64	3.88	97.1	103	70.0-130			6.38	25
1,2-Dichloropropane	3.75	3.70	3.78	98.7	101	70.0-130			2.14	25
cis-1,3-Dichloropropene	3.75	3.74	3.95	99.7	105	70.0-130			5.46	25
trans-1,3-Dichloropropene	3.75	3.78	3.84	101	102	70.0-130			1.57	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) R3923568-1 05/10/23 08:53 • (LCSD) R3923568-2 05/10/23 09:37

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,4-Dioxane	3.75	3.67	3.85	97.9	103	70.0-140			4.79	25
Ethanol	3.75	3.10	3.11	82.7	82.9	55.0-148			0.322	25
Trichlorofluoromethane	3.75	3.65	3.84	97.3	102	70.0-130			5.07	25
Dichlorodifluoromethane	3.75	3.69	3.85	98.4	103	64.0-139			4.24	25
1,1,2-Trichlorotrifluoroethane	3.75	3.98	4.08	106	109	70.0-130			2.48	25
1,2-Dichlorotetrafluoroethane	3.75	3.61	3.67	96.3	97.9	70.0-130			1.65	25
Heptane	3.75	3.81	3.77	102	101	70.0-130			1.06	25
n-Hexane	3.75	3.50	3.62	93.3	96.5	70.0-130			3.37	25
Methylene Chloride	3.75	3.38	3.48	90.1	92.8	70.0-130			2.92	25
Methyl Butyl Ketone	3.75	3.67	3.75	97.9	100	70.0-149			2.16	25
Methyl Ethyl Ketone	3.75	3.65	3.75	97.3	100	70.0-130			2.70	25
4-Methyl-2-pentanone (MIBK)	3.75	3.51	3.56	93.6	94.9	70.0-139			1.41	25
Methyl Methacrylate	3.75	3.34	3.43	89.1	91.5	70.0-130			2.66	25
MTBE	3.75	3.61	3.79	96.3	101	70.0-130			4.86	25
2-Propanol	3.75	3.29	3.43	87.7	91.5	70.0-139			4.17	25
Propene	3.75	3.19	3.20	85.1	85.3	64.0-144			0.313	25
Tetrachloroethylene	3.75	4.17	4.28	111	114	70.0-130			2.60	25
Tetrahydrofuran	3.75	3.19	3.29	85.1	87.7	70.0-137			3.09	25
Toluene	3.75	3.89	3.99	104	106	70.0-130			2.54	25
1,1,1-Trichloroethane	3.75	3.96	4.16	106	111	70.0-130			4.93	25
1,1,2-Trichloroethane	3.75	4.05	4.10	108	109	70.0-130			1.23	25
Trichloroethylene	3.75	3.97	3.99	106	106	70.0-130			0.503	25
2,2,4-Trimethylpentane	3.75	3.70	3.80	98.7	101	70.0-130			2.67	25
Vinyl chloride	3.75	3.38	3.56	90.1	94.9	70.0-130			5.19	25
Vinyl Bromide	3.75	3.75	3.82	100	102	70.0-130			1.85	25
Vinyl acetate	3.75	3.23	3.50	86.1	93.3	70.0-130			8.02	25
(S) 1,4-Bromofluorobenzene				98.1	99.7	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.

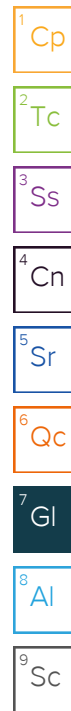
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

J	The identification of the analyte is acceptable; the reported value is an estimate.
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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

Company Name/Address:
Sand County Environmental
 PO Box 218
 Amherst, WI 54406

Billing Information:
Pete Arnsten
 PO Box 218
 Amherst, WI 54406

Analysis

Chain of Custody Page ___ of ___

Pace
 PEOPLE ADVANCING SCIENCE
 MT JULIET, TN
 12065 Lebanon Road Mt Juliet, TN 37122
 Phone: 615-758-5858 Alt: 800-767-5859
 Submitting a sample via this chain of custody
 constitutes acknowledgment and acceptance of
 the Pace Terms and Conditions found at:
<https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>

Report To:
Pete Arnsten

Email To:
 pete.arnsten@sandcountyenv.com; ken.ebbott@sandcountyenv.com

Project Description:
Dun-Rite

City/State Collected:

Please Circle:
 PT MT CT ET

Phone:
715-824-5169

Client Project #

Lab Project #
SANDCOPWI-DUNRITE

Collected by (print):
Pete Arnsten

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)
 ___ Same Day ___ Three Day
 ___ Next Day ___ Five Day
 ___ Two Day

Date Results Needed
Normal

TO-15 Summa

SDG # **L1L009359**
H113
 Acctnum: **SANDCOPWI**
 Template: **T227716**
 Prelogin: **P991355**
 PM: 3828 - Jennifer A McCurdy
 PB: **SW 4/11/23**
 Shipped Via: **FedEX Ground**

Sample ID	Can #	Flow Cont. #	Collection		Canister Pressure/Vacuum					Rem./Contaminant	Sample # (lab only)
			Date	Time	Initial	Final					
SSV101	010611	009377	4/17/23	11:34	-28	-1	X				-01
SSV203	008575	006495	4/17	11:00	-29	-2	X				-02
SSVV06	010616	009599	4/17	10:10	-27	-1	X				-03
SSV405	021881	023078	"	10:37	-27	-1	X				-04
Blower Exhaust	006523	011518	"	11:44	-29	-1	X				-05
AA405 (outside)	011991	006497	"	10:20	-28.5	0	X				-06
AA408 (Attorney)	012277	010600	"	4:05	-27.5	0	X				-07
AA407 (wildcard)	009204	008695	"	4:30	-28	-4.5	X				-08
AA407 (Lobby)	023210	022603	"	4:35	-28	-3.5	X				-09

Remarks: Check flow controller 009599 and 006497, they went fast.

Relinquished by: (Signature)
 Date: 4/21/23 Time: 4:45

Relinquished by: (Signature)
 Date: Time:

Relinquished by: (Signature)
 Date: Time:

Samples returned via:
 ___ UPS ___ FedEx ___ Courier ___

Received by: (Signature)
 Date: Time:

Received by: (Signature)
 Date: Time: 4/26/23 0900

Received for lab by: (Signature)
 Date: Time:

Sample Receipt Checklist

COC Seal Present/Intact: Y N IF Applicable
 VOC Signed/Accurate: Y N VOA Zero Headspace: Y N
 Bottles arrive intact: Y N Pres. Correct/Check: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 P&D Screen < 0.5 mR/hr: Y N

COC Seal Intact: ___ Y ___ N ___ NA
 NCF:

