

**From:** Beggs, Tauren R - DNR  
**Sent:** Friday, May 12, 2023 12:50 PM  
**To:** Wayne Fassbender  
**Subject:** RE: Jagemann Plating

Thanks Wayne, have a nice weekend as well

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**Tauren R. Beggs**

Phone: (920) 510-3472

[Tauren.Beggs@wisconsin.gov](mailto:Tauren.Beggs@wisconsin.gov) (preferred contact method during work at home)

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**From:** Wayne Fassbender <[wfassbender@enviroforensics.com](mailto:wfassbender@enviroforensics.com)>  
**Sent:** Friday, May 12, 2023 12:14 PM  
**To:** Beggs, Tauren R - DNR <[Tauren.Beggs@wisconsin.gov](mailto:Tauren.Beggs@wisconsin.gov)>  
**Subject:** Jagemann Plating

Just a heads up, Tauren. I uploaded the most recent groundwater sampling results to the electronic portal. Have a great weekend.

**Wayne Fassbender**, Senior Project Manager  
**EnviroForensics®**  
**Wisconsin Office/P.O. Box 128/Oconomowoc, WI/53066**  
262-490-6472 | [wfassbender@enviroforensics.com](mailto:wfassbender@enviroforensics.com)

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## MEMORANDUM

TO: Mike Jagemann  
Jagemann Plating

FROM: Wayne Fassbender, EnviroForensics

COPY: Tauren Beggs, WDNR  
Andrew Skwierawski, Halling & Cayo

DATE: May 12, 2023

SUBJECT: 2nd Quarterly Post-remedial Sampling Results  
Jagemann Plating; BRRTS# 02-36-555544

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Attached is updated **Table 1** containing the most recent April, 2023 groundwater sampling results. This is the second quarterly monitoring event since groundwater remedial injections were implemented in December of 2022. I have also attached the detailed analytical laboratory report. **Figure 4** has the locations of site monitoring wells and remedial injection points.

As can be seen in **Table 1** and the attached laboratory reports, trichloroethene (TCE) continues to degrade into the daughter products cis-1,2 dichloroethene, 1,1 dichloroethene, and vinyl chloride at all monitored locations. Although not always seen along the degradation pathway, 1,1 dichloroethene is an isomer of cis-1,2 dichloroethene and is sometimes produced during the natural degradation of TCE at a rate that is typically around 30 times less than cis-1,2 dichloroethene.

Well TW-20 continues to exhibit the greatest concentrations of parent product TCE and the area around it had been targeted for more rigorous injections. The production of degradation daughter products and the presence of significant ethane, ethene, and methane at this location are indicators that complete degradation of vinyl chloride is occurring. There is continued ample total organic carbon to act as a food source for continued microbial reductions.

At well MW-14, the vast majority of TCE has been reduced to daughter products and this well currently contains the greatest concentration of vinyl chloride. Similar to the conditions at TW-20, there are significant concentrations of ethane, ethene, and methane to indicate that the vinyl chloride is being converted to harmless end products and there is ample organic carbon present to allow continuation of the microbial degradation process.

The next post-remedial monitoring event will occur sometime in mid-late July of this year.

Table 1  
Groundwater Sampling Results  
Jagemann Plating

Monitoring Well Sample ID	Date Sampled	Trichloroethene	dis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	1,1-Dichloroethane	1,1-Dichloroethene	Ethane	Ethene	Methane	Total Organic Carbon (mg/L)
<b>Enforcement Standard</b>		<b>5</b>	<b>70</b>	<b>100</b>	<b>0.2</b>	<b>850</b>	<b>7</b>				
<b>Preventative Action Limit</b>		<b>0.5</b>	<b>7</b>	<b>20</b>	<b>0.02</b>	<b>85</b>	<b>0.7</b>				
MW-1	12/30/2016 Pre	390	148	9.0	125						
	3/28/2019 Pre	703	252	23.6	430						
	6/20/2019 Pre	895	316	24.6	410						
	6/24/2021 Pre	946	400	33.5	697						
	6/16/2022 Pre	902	442	41.6	750	4.9 J	24.8	90.6	26.9	1,090	30
	8/22/2022 Pilot	<3.8	2,140	47	390			37.8	9.58	428	1,380
	10/6/2022 Pilot	0.40	46	99	41			191	3.38	112	406
	1/31/2023 Post	<0.32	1.1	3.2	3.3	8.2	<0.29	33.3	1,170	1,760	514
4/20/2023	<0.190	3.08	1.69	2.85	6.77	<0.188	44.8	1,280	7,690	345	
4/20/2023 DUP	0.395 J	3.03	1.71	3.27	7.14	<0.188	NA	NA	NA	NA	
MW-3	6/24/2021 Pre	67.30	54.7	1.2	3.6	<0.3	1.9				
	1/31/2023 Post	39.80	63.7	2.2	5.2	<0.3	1.6			2.3 J	
	4/20/2023	34.1	53.5	1.8	5.65	<0.100	1.47	<4.07	<4.26	62.4	NA
MW-8	6/24/2021 Pre	61.2	586	59.3	111	<3.0	<5.8				
	1/31/2023 Post	23.10	377	57.6	98.3	<1.5	<2.9	3.4 J	2.2 J	42.2	
	4/20/2023	1.15	16.7	0.149 J	13.7	<0.100	1.87	<4.07	<4.26	524	NA
MW-14	12/30/2016 Pre	36,000	31,400	870	5,900						
	3/28/2019 Pre	12,800	14,000	669	5,150						
	6/20/2019 Pre	15,000	16,500	824	5,540						
	6/24/2021 Pre	16,200	17,600	861	6,410						
	6/16/2022 Pre	28,100	32,200	2,530	8,300	<73.9	150 J	5,190	283	2,720	8.98
	8/22/2022 Pilot	4,800	40,000	810	17,000			3,400	249	1,400	1,770
	10/6/2022 Pilot	<190	11,500	880	62,000			3,260	103	391	799
	1/31/2023 Post	58.5 J	9,760	513	41,500	<37.0	<72.8	145	5,520	957	2,600
4/20/2023	17.1	22,600	544	32,500	<2.50	16.4	430	14,600	5,660	1,550	
4/20/2023 DUP	<190	9,830	601	46,100	<2.5	20.6	NA	NA	NA	NA	
MW-15	6/24/2021 Pre	370	162	4.7	233	<0.59	73.0				
	1/31/2023 Post	17.3	520	3.9 J	59.7	<1.5	11.6	29.1	31.3	554.0	
	4/20/2023	<0.190	0.571	<0.149	0.979	<0.100	<0.188	<4.07	<4.26	<2.91	NA
TW-20	6/16/2022 Pre	69,200	160,000	2,050	40,100	542 J	687.0				
	1/31/2023 Post	251,000	82,100	482	9,360	<118	838.0	182	919	126	1,600
	4/21/2023	210,000	42,900	367	11,300	73.7 J	865	154	1,720	95.2	315
TW-21	2/2/2022 Pre	345	842	129	166	<3.0	14.8				
	1/31/2023 Post	<0.32	421	45.9	104	<0.3	<0.58	19.5	97.2	1,390	983
	4/21/2023	0.505 J	17.2	4.81	17.0	<0.100	<0.188	52.7	683	12,700	1,080
TW-22	2/2/2022 Pre	8.1	126	9.9	166	0.94 J	<1.2				
	1/31/2023 Post	3.1	150	15.2	550	0.61 J	<1.2	2.8 J	6.8	40.1	
	4/20/2023	1.08	73.3	9.30	656	0.165 J	<0.188	<4.07	<4.26	74.5	NA
TW-23	2/2/2022 Pre	109	163	1.3 J	19.9	<0.59	10.9				
	1/31/2023 Post	72.9	197	0.82 J	10.9	<0.3	13.4	1.7 J	0.56 J	25.0	
	4/20/2023	36.7	260	1.72	34.9	<0.100	17.5	<4.07	<4.26	305	NA
TW-24	2/2/2022 Pre	125	84.1	4.2	409	<0.3	34.3				
	1/31/2023 Post	1,380	1,750	66.9	692	<7.4	76.7	9.5	158	38.6	
	4/20/2023	<0.190	1,760	93.3	527	0.128 J	110	59.3	1,030	138	NA
SUMP-1	6/14/2022 Pre	23.9	26.2	0.88 J	2.5	<0.3	<0.58				
	1/31/2023 Post	16.5	8.2	<0.53	0.49 J	<0.3	<0.58				
	4/21/2023	53.9	212	6.24	288	1.10	1.87				
SUMP-2	6/15/2011 Pre	72.0	45.3	2.0	0.31 J	<0.75	<0.57				
	1/31/2023 Post	31.6	17.5	<0.53	<0.17	<0.3	<0.58				
	4/21/2023	17.0	13.6	0.468 J	<0.234	0.117 J	<0.188				

All results are in micrograms per liter µg/l, except TOC reported in mg/l

Pre: the most recent concentrations prior to the start of any remedial injections

Pilot: concentrations in select wells following remedial pilot study injections

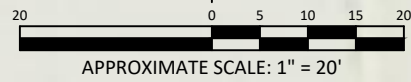
Post: concentrations following full-scale remedial injections






Orange Coloring: Concentration exceeds the groundwater enforcement standard (ES)

Blue Coloring: Concentration exceeds the groundwater preventative action limit (PAL)

"J" Flag: Analyte was detected at a concentration above the detection limits but was below the laboratory limits of quantification

NA: Not Analyzed



- Legend**
- MW1  Monitoring well
  - TW21  Temporary monitoring well
  - PZ3  Piezometer
  - IP-1A  Injection location
  - SSV-13  Sub-slab vapor sample




<b>INJECTION POINT LAYOUT</b>	
Jagemann Plating Company 1324 South 26th Street Manitowoc, Wisconsin	
	Figure <b>4</b>
	Project <b>200032</b>

Date:	12/15/22
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	200032-0178


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

## EMC - Evansville, IN

Sample Delivery Group: L1608438  
Samples Received: 04/22/2023  
Project Number: 2023-0103  
Description: Jagemann Plating  
Site: 200032  
Report To: Nicolette Morris  
825 N Capitol Avenue  
Indianapolis, IN 46204

Entire Report Reviewed By:



Mark W. Beasley  
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.

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

# SAMPLE SUMMARY

## 200032-MW-1 L1608438-01 GW

Collected by Luke Moran      Collected date/time 04/20/23 08:35      Received date/time 04/22/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9060A	WG2047501	5	04/26/23 11:16	04/26/23 11:16	SJF	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2049367	1	04/27/23 10:31	04/27/23 10:31	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2050192	10	04/27/23 16:13	04/27/23 16:13	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2048726	1	04/26/23 00:02	04/26/23 00:02	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2051766	1	05/01/23 10:15	05/01/23 10:15	ACG	Mt. Juliet, TN



## 200032-MW-3 L1608438-02 GW

Collected by Luke Moran      Collected date/time 04/20/23 09:31      Received date/time 04/22/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method RSK175	WG2049367	1	04/27/23 10:37	04/27/23 10:37	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2048726	1	04/26/23 00:22	04/26/23 00:22	JAH	Mt. Juliet, TN



## 200032-MW-8 L1608438-03 GW

Collected by Luke Moran      Collected date/time 04/20/23 10:09      Received date/time 04/22/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method RSK175	WG2049367	1	04/27/23 10:41	04/27/23 10:41	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2048726	1	04/26/23 00:42	04/26/23 00:42	JAH	Mt. Juliet, TN



## 200032-MW-14 L1608438-04 GW

Collected by Luke Moran      Collected date/time 04/20/23 10:49      Received date/time 04/22/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9060A	WG2047501	20	04/26/23 11:34	04/26/23 11:34	SJF	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2049367	1	04/27/23 10:44	04/27/23 10:44	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2050192	10	04/27/23 16:18	04/27/23 16:18	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2048726	25	04/26/23 04:28	04/26/23 04:28	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2051766	500	05/01/23 12:20	05/01/23 12:20	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2051962	5000	05/01/23 15:07	05/01/23 15:07	ACG	Mt. Juliet, TN

## 200032-MW-15 L1608438-05 GW

Collected by Luke Moran      Collected date/time 04/20/23 11:24      Received date/time 04/22/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method RSK175	WG2049367	1	04/27/23 10:50	04/27/23 10:50	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2048726	1	04/26/23 01:03	04/26/23 01:03	JAH	Mt. Juliet, TN

## 200032-TW-20 L1608438-06 GW

Collected by Luke Moran      Collected date/time 04/21/23 09:15      Received date/time 04/22/23 09:00

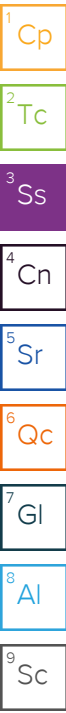
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9060A	WG2047501	20	04/26/23 10:27	04/26/23 10:27	SJF	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2049367	1	04/27/23 10:53	04/27/23 10:53	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2048726	500	04/26/23 04:48	04/26/23 04:48	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2051962	10000	05/01/23 15:28	05/01/23 15:28	ACG	Mt. Juliet, TN

# SAMPLE SUMMARY

## 200032-TW-21 L1608438-07 GW

Collected by Luke Moran      Collected date/time 04/20/23 13:27      Received date/time 04/22/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9060A	WG2047501	20	04/26/23 11:54	04/26/23 11:54	SJF	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2049367	1	04/27/23 11:01	04/27/23 11:01	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2050192	10	04/27/23 16:24	04/27/23 16:24	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2048726	1	04/26/23 01:23	04/26/23 01:23	JAH	Mt. Juliet, TN



## 200032-TW-22 L1608438-08 GW

Collected by Luke Moran      Collected date/time 04/20/23 14:58      Received date/time 04/22/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method RSK175	WG2049367	1	04/27/23 11:18	04/27/23 11:18	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2048726	1	04/26/23 01:44	04/26/23 01:44	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2051766	20	05/01/23 13:01	05/01/23 13:01	ACG	Mt. Juliet, TN

## 200032-TW-23 L1608438-09 GW

Collected by Luke Moran      Collected date/time 04/20/23 16:11      Received date/time 04/22/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method RSK175	WG2049367	1	04/27/23 11:26	04/27/23 11:26	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2048726	1	04/26/23 02:04	04/26/23 02:04	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2051766	10	05/01/23 13:22	05/01/23 13:22	ACG	Mt. Juliet, TN

## 200032-TW-24 L1608438-10 GW

Collected by Luke Moran      Collected date/time 04/20/23 16:49      Received date/time 04/22/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method RSK175	WG2049367	1	04/27/23 11:32	04/27/23 11:32	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2048726	1	04/26/23 02:25	04/26/23 02:25	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2051766	50	05/01/23 13:42	05/01/23 13:42	ACG	Mt. Juliet, TN

## 200032-SUMP-1 L1608438-11 GW

Collected by Luke Moran      Collected date/time 04/21/23 09:50      Received date/time 04/22/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2048726	1	04/26/23 02:45	04/26/23 02:45	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2051766	10	05/01/23 14:03	05/01/23 14:03	ACG	Mt. Juliet, TN

## 200032-SUMP-2 L1608438-12 GW

Collected by Luke Moran      Collected date/time 04/21/23 09:40      Received date/time 04/22/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2048726	1	04/26/23 03:06	04/26/23 03:06	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2051766	1	05/01/23 10:36	05/01/23 10:36	ACG	Mt. Juliet, TN

## 200032-DUP-1 L1608438-13 GW

Collected by Luke Moran      Collected date/time 04/20/23 00:00      Received date/time 04/22/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2048726	1	04/26/23 03:26	04/26/23 03:26	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2051766	1	05/01/23 10:57	05/01/23 10:57	ACG	Mt. Juliet, TN



# SAMPLE SUMMARY

## 200032-DUP-2 L1608438-14 GW

Collected by: Luke Moran  
 Collected date/time: 04/20/23 00:00  
 Received date/time: 04/22/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2048726	25	04/26/23 05:09	04/26/23 05:09	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2051766	1000	05/01/23 14:24	05/01/23 14:24	ACG	Mt. Juliet, TN

## TRIP BLANK L1608438-15 GW

Collected by: Luke Moran  
 Collected date/time: 04/20/23 00:00  
 Received date/time: 04/22/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2048726	1	04/25/23 22:40	04/25/23 22:40	JAH	Mt. Juliet, TN

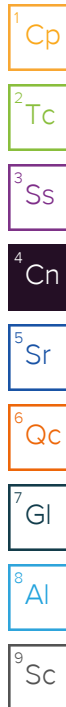
- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

# 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.



Mark W. Beasley  
Project Manager



## Report Revision History

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Level II Report - Version 1: 05/01/23 17:16

## Project Narrative

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Updated to MDL reporting

## Sample Delivery Group (SDG) Narrative

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The following analysis were performed from an unpreserved, insufficiently or inadequately preserved sample.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
<a href="#">L1608438-04</a>	<a href="#">200032-MW-14</a>	9060A
<a href="#">L1608438-07</a>	<a href="#">200032-TW-21</a>	9060A

## Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	345000		510	1700	5	04/26/2023 11:16	<a href="#">WG2047501</a>

## Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	7690		29.1	97.0	10	04/27/2023 16:13	<a href="#">WG2050192</a>
Ethane	44.8		4.07	13.6	1	04/27/2023 10:31	<a href="#">WG2049367</a>
Ethene	1280		4.26	14.2	1	04/27/2023 10:31	<a href="#">WG2049367</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	29.2	J	11.3	37.7	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Acrylonitrile	U		0.671	2.24	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Benzene	0.162	J	0.0941	0.314	1	05/01/2023 10:15	<a href="#">WG2051766</a>
Bromobenzene	U		0.118	0.393	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Bromodichloromethane	U		0.136	0.453	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Bromoform	U		0.129	0.430	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Bromomethane	U		0.605	2.02	1	04/26/2023 00:02	<a href="#">WG2048726</a>
n-Butylbenzene	U		0.157	0.523	1	04/26/2023 00:02	<a href="#">WG2048726</a>
sec-Butylbenzene	U		0.125	0.417	1	04/26/2023 00:02	<a href="#">WG2048726</a>
tert-Butylbenzene	U		0.127	0.423	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Carbon tetrachloride	U		0.128	0.427	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Chlorobenzene	U		0.116	0.387	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Chlorodibromomethane	U		0.140	0.467	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Chloroethane	0.865		0.192	0.640	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Chloroform	U		0.111	0.370	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Chloromethane	U		0.960	3.20	1	04/26/2023 00:02	<a href="#">WG2048726</a>
2-Chlorotoluene	U		0.106	0.353	1	04/26/2023 00:02	<a href="#">WG2048726</a>
4-Chlorotoluene	U		0.114	0.380	1	04/26/2023 00:02	<a href="#">WG2048726</a>
1,2-Dibromo-3-Chloropropane	U		0.276	0.920	1	04/26/2023 00:02	<a href="#">WG2048726</a>
1,2-Dibromoethane	U		0.126	0.420	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Dibromomethane	U		0.122	0.407	1	04/26/2023 00:02	<a href="#">WG2048726</a>
1,2-Dichlorobenzene	U		0.107	0.357	1	04/26/2023 00:02	<a href="#">WG2048726</a>
1,3-Dichlorobenzene	U		0.110	0.367	1	04/26/2023 00:02	<a href="#">WG2048726</a>
1,4-Dichlorobenzene	U		0.120	0.400	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Dichlorodifluoromethane	U		0.374	1.25	1	04/26/2023 00:02	<a href="#">WG2048726</a>
1,1-Dichloroethane	6.77		0.100	0.333	1	04/26/2023 00:02	<a href="#">WG2048726</a>
1,2-Dichloroethane	U		0.0819	0.273	1	04/26/2023 00:02	<a href="#">WG2048726</a>
1,1-Dichloroethene	U		0.188	0.627	1	04/26/2023 00:02	<a href="#">WG2048726</a>
cis-1,2-Dichloroethene	3.08		0.126	0.420	1	04/26/2023 00:02	<a href="#">WG2048726</a>
trans-1,2-Dichloroethene	1.69		0.149	0.497	1	04/26/2023 00:02	<a href="#">WG2048726</a>
1,2-Dichloropropane	U		0.149	0.497	1	04/26/2023 00:02	<a href="#">WG2048726</a>
1,1-Dichloropropene	U		0.142	0.473	1	04/26/2023 00:02	<a href="#">WG2048726</a>
1,3-Dichloropropane	U		0.110	0.367	1	04/26/2023 00:02	<a href="#">WG2048726</a>
cis-1,3-Dichloropropene	U		0.111	0.370	1	04/26/2023 00:02	<a href="#">WG2048726</a>
trans-1,3-Dichloropropene	U		0.118	0.393	1	04/26/2023 00:02	<a href="#">WG2048726</a>
2,2-Dichloropropane	U		0.161	0.537	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Di-isopropyl ether	U		0.105	0.350	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Ethylbenzene	U		0.137	0.457	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Hexachloro-1,3-butadiene	U		0.337	1.12	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Isopropylbenzene	U		0.105	0.350	1	04/26/2023 00:02	<a href="#">WG2048726</a>
p-Isopropyltoluene	U		0.120	0.400	1	04/26/2023 00:02	<a href="#">WG2048726</a>
2-Butanone (MEK)	135		1.19	3.97	1	04/26/2023 00:02	<a href="#">WG2048726</a>
Methylene Chloride	U		0.430	1.43	1	04/26/2023 00:02	<a href="#">WG2048726</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	0.828	J	0.478	1.59	1	04/26/2023 00:02	WG2048726
Methyl tert-butyl ether	U		0.101	0.337	1	04/26/2023 00:02	WG2048726
Naphthalene	U		1.00	3.33	1	04/26/2023 00:02	WG2048726
n-Propylbenzene	U		0.0993	0.331	1	04/26/2023 00:02	WG2048726
Styrene	U		0.118	0.393	1	04/26/2023 00:02	WG2048726
1,1,1,2-Tetrachloroethane	U		0.147	0.490	1	04/26/2023 00:02	WG2048726
1,1,2,2-Tetrachloroethane	U		0.133	0.443	1	04/26/2023 00:02	WG2048726
1,1,2-Trichlorotrifluoroethane	U		0.180	0.600	1	04/26/2023 00:02	WG2048726
Tetrachloroethene	U		0.300	1.00	1	04/26/2023 00:02	WG2048726
Toluene	U		0.278	0.927	1	04/26/2023 00:02	WG2048726
1,2,3-Trichlorobenzene	U		0.230	0.767	1	04/26/2023 00:02	WG2048726
1,2,4-Trichlorobenzene	U		0.481	1.60	1	04/26/2023 00:02	WG2048726
1,1,1-Trichloroethane	U		0.149	0.497	1	04/26/2023 00:02	WG2048726
1,1,2-Trichloroethane	U		0.158	0.527	1	04/26/2023 00:02	WG2048726
Trichloroethene	U		0.190	0.633	1	04/26/2023 00:02	WG2048726
Trichlorofluoromethane	U		0.160	0.533	1	04/26/2023 00:02	WG2048726
1,2,3-Trichloropropane	U		0.237	0.790	1	04/26/2023 00:02	WG2048726
1,2,4-Trimethylbenzene	U		0.322	1.07	1	04/26/2023 00:02	WG2048726
1,2,3-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 00:02	WG2048726
1,3,5-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 00:02	WG2048726
Vinyl chloride	2.85		0.234	0.780	1	04/26/2023 00:02	WG2048726
Xylenes, Total	U		0.174	0.580	1	04/26/2023 00:02	WG2048726
(S) Toluene-d8	102			80.0-120		04/26/2023 00:02	WG2048726
(S) Toluene-d8	110			80.0-120		05/01/2023 10:15	WG2051766
(S) 4-Bromofluorobenzene	102			77.0-126		04/26/2023 00:02	WG2048726
(S) 4-Bromofluorobenzene	99.8			77.0-126		05/01/2023 10:15	WG2051766
(S) 1,2-Dichloroethane-d4	101			70.0-130		04/26/2023 00:02	WG2048726
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/01/2023 10:15	WG2051766

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	62.4		2.91	9.70	1	04/27/2023 10:37	<a href="#">WG2049367</a>
Ethane	U		4.07	13.6	1	04/27/2023 10:37	<a href="#">WG2049367</a>
Ethene	U		4.26	14.2	1	04/27/2023 10:37	<a href="#">WG2049367</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	37.7	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Acrylonitrile	U		0.671	2.24	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Benzene	U		0.0941	0.314	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Bromobenzene	U		0.118	0.393	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Bromodichloromethane	U		0.136	0.453	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Bromoform	U		0.129	0.430	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Bromomethane	U		0.605	2.02	1	04/26/2023 00:22	<a href="#">WG2048726</a>
n-Butylbenzene	U		0.157	0.523	1	04/26/2023 00:22	<a href="#">WG2048726</a>
sec-Butylbenzene	U		0.125	0.417	1	04/26/2023 00:22	<a href="#">WG2048726</a>
tert-Butylbenzene	U		0.127	0.423	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Carbon tetrachloride	U		0.128	0.427	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Chlorobenzene	U		0.116	0.387	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Chlorodibromomethane	U		0.140	0.467	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Chloroethane	U		0.192	0.640	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Chloroform	U		0.111	0.370	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Chloromethane	U		0.960	3.20	1	04/26/2023 00:22	<a href="#">WG2048726</a>
2-Chlorotoluene	U		0.106	0.353	1	04/26/2023 00:22	<a href="#">WG2048726</a>
4-Chlorotoluene	U		0.114	0.380	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,2-Dibromo-3-Chloropropane	U		0.276	0.920	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,2-Dibromoethane	U		0.126	0.420	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Dibromomethane	U		0.122	0.407	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,2-Dichlorobenzene	U		0.107	0.357	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,3-Dichlorobenzene	U		0.110	0.367	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,4-Dichlorobenzene	U		0.120	0.400	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Dichlorodifluoromethane	7.32		0.374	1.25	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,1-Dichloroethane	U		0.100	0.333	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,2-Dichloroethane	U		0.0819	0.273	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,1-Dichloroethene	1.47		0.188	0.627	1	04/26/2023 00:22	<a href="#">WG2048726</a>
cis-1,2-Dichloroethene	53.5		0.126	0.420	1	04/26/2023 00:22	<a href="#">WG2048726</a>
trans-1,2-Dichloroethene	1.82		0.149	0.497	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,2-Dichloropropane	U		0.149	0.497	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,1-Dichloropropene	U		0.142	0.473	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,3-Dichloropropane	U		0.110	0.367	1	04/26/2023 00:22	<a href="#">WG2048726</a>
cis-1,3-Dichloropropene	U		0.111	0.370	1	04/26/2023 00:22	<a href="#">WG2048726</a>
trans-1,3-Dichloropropene	U		0.118	0.393	1	04/26/2023 00:22	<a href="#">WG2048726</a>
2,2-Dichloropropane	U		0.161	0.537	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Di-isopropyl ether	U		0.105	0.350	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Ethylbenzene	U		0.137	0.457	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Hexachloro-1,3-butadiene	U		0.337	1.12	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Isopropylbenzene	U		0.105	0.350	1	04/26/2023 00:22	<a href="#">WG2048726</a>
p-Isopropyltoluene	U		0.120	0.400	1	04/26/2023 00:22	<a href="#">WG2048726</a>
2-Butanone (MEK)	U		1.19	3.97	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Methylene Chloride	U		0.430	1.43	1	04/26/2023 00:22	<a href="#">WG2048726</a>
4-Methyl-2-pentanone (MIBK)	U		0.478	1.59	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Methyl tert-butyl ether	U		0.101	0.337	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Naphthalene	U		1.00	3.33	1	04/26/2023 00:22	<a href="#">WG2048726</a>
n-Propylbenzene	U		0.0993	0.331	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Styrene	U		0.118	0.393	1	04/26/2023 00:22	<a href="#">WG2048726</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.147	0.490	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,1,2,2-Tetrachloroethane	U		0.133	0.443	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,1,2-Trichlorotrifluoroethane	U		0.180	0.600	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Tetrachloroethene	U		0.300	1.00	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Toluene	U		0.278	0.927	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,2,3-Trichlorobenzene	U		0.230	0.767	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,2,4-Trichlorobenzene	U		0.481	1.60	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,1,1-Trichloroethane	U		0.149	0.497	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,1,2-Trichloroethane	U		0.158	0.527	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Trichloroethene	34.1		0.190	0.633	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Trichlorofluoromethane	U		0.160	0.533	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,2,3-Trichloropropane	U		0.237	0.790	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,2,4-Trimethylbenzene	U		0.322	1.07	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,2,3-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 00:22	<a href="#">WG2048726</a>
1,3,5-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Vinyl chloride	5.65		0.234	0.780	1	04/26/2023 00:22	<a href="#">WG2048726</a>
Xylenes, Total	U		0.174	0.580	1	04/26/2023 00:22	<a href="#">WG2048726</a>
(S) Toluene-d8	104			80.0-120		04/26/2023 00:22	<a href="#">WG2048726</a>
(S) 4-Bromofluorobenzene	100			77.0-126		04/26/2023 00:22	<a href="#">WG2048726</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		04/26/2023 00:22	<a href="#">WG2048726</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	524		2.91	9.70	1	04/27/2023 10:41	<a href="#">WG2049367</a>
Ethane	U		4.07	13.6	1	04/27/2023 10:41	<a href="#">WG2049367</a>
Ethene	U		4.26	14.2	1	04/27/2023 10:41	<a href="#">WG2049367</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	37.7	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Acrylonitrile	U		0.671	2.24	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Benzene	U		0.0941	0.314	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Bromobenzene	U		0.118	0.393	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Bromodichloromethane	U		0.136	0.453	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Bromoform	U		0.129	0.430	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Bromomethane	U		0.605	2.02	1	04/26/2023 00:42	<a href="#">WG2048726</a>
n-Butylbenzene	U		0.157	0.523	1	04/26/2023 00:42	<a href="#">WG2048726</a>
sec-Butylbenzene	U		0.125	0.417	1	04/26/2023 00:42	<a href="#">WG2048726</a>
tert-Butylbenzene	U		0.127	0.423	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Carbon tetrachloride	U		0.128	0.427	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Chlorobenzene	U		0.116	0.387	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Chlorodibromomethane	U		0.140	0.467	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Chloroethane	U		0.192	0.640	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Chloroform	U		0.111	0.370	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Chloromethane	U		0.960	3.20	1	04/26/2023 00:42	<a href="#">WG2048726</a>
2-Chlorotoluene	U		0.106	0.353	1	04/26/2023 00:42	<a href="#">WG2048726</a>
4-Chlorotoluene	U		0.114	0.380	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,2-Dibromo-3-Chloropropane	U		0.276	0.920	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,2-Dibromoethane	U		0.126	0.420	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Dibromomethane	U		0.122	0.407	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,2-Dichlorobenzene	U		0.107	0.357	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,3-Dichlorobenzene	U		0.110	0.367	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,4-Dichlorobenzene	U		0.120	0.400	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Dichlorodifluoromethane	11.2		0.374	1.25	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,1-Dichloroethane	U		0.100	0.333	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,2-Dichloroethane	U		0.0819	0.273	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,1-Dichloroethene	1.87		0.188	0.627	1	04/26/2023 00:42	<a href="#">WG2048726</a>
cis-1,2-Dichloroethene	16.7		0.126	0.420	1	04/26/2023 00:42	<a href="#">WG2048726</a>
trans-1,2-Dichloroethene	0.149	J	0.149	0.497	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,2-Dichloropropane	U		0.149	0.497	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,1-Dichloropropene	U		0.142	0.473	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,3-Dichloropropane	U		0.110	0.367	1	04/26/2023 00:42	<a href="#">WG2048726</a>
cis-1,3-Dichloropropene	U		0.111	0.370	1	04/26/2023 00:42	<a href="#">WG2048726</a>
trans-1,3-Dichloropropene	U		0.118	0.393	1	04/26/2023 00:42	<a href="#">WG2048726</a>
2,2-Dichloropropane	U		0.161	0.537	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Di-isopropyl ether	U		0.105	0.350	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Ethylbenzene	U		0.137	0.457	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Hexachloro-1,3-butadiene	U		0.337	1.12	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Isopropylbenzene	U		0.105	0.350	1	04/26/2023 00:42	<a href="#">WG2048726</a>
p-Isopropyltoluene	U		0.120	0.400	1	04/26/2023 00:42	<a href="#">WG2048726</a>
2-Butanone (MEK)	U		1.19	3.97	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Methylene Chloride	U		0.430	1.43	1	04/26/2023 00:42	<a href="#">WG2048726</a>
4-Methyl-2-pentanone (MIBK)	U		0.478	1.59	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Methyl tert-butyl ether	U		0.101	0.337	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Naphthalene	U		1.00	3.33	1	04/26/2023 00:42	<a href="#">WG2048726</a>
n-Propylbenzene	U		0.0993	0.331	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Styrene	U		0.118	0.393	1	04/26/2023 00:42	<a href="#">WG2048726</a>

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

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.147	0.490	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,1,2,2-Tetrachloroethane	U		0.133	0.443	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,1,2-Trichlorotrifluoroethane	U		0.180	0.600	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Tetrachloroethene	U		0.300	1.00	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Toluene	U		0.278	0.927	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,2,3-Trichlorobenzene	U		0.230	0.767	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,2,4-Trichlorobenzene	U		0.481	1.60	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,1,1-Trichloroethane	U		0.149	0.497	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,1,2-Trichloroethane	U		0.158	0.527	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Trichloroethene	1.15		0.190	0.633	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Trichlorofluoromethane	U		0.160	0.533	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,2,3-Trichloropropane	U		0.237	0.790	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,2,4-Trimethylbenzene	U		0.322	1.07	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,2,3-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 00:42	<a href="#">WG2048726</a>
1,3,5-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Vinyl chloride	13.7		0.234	0.780	1	04/26/2023 00:42	<a href="#">WG2048726</a>
Xylenes, Total	U		0.174	0.580	1	04/26/2023 00:42	<a href="#">WG2048726</a>
(S) Toluene-d8	101			80.0-120		04/26/2023 00:42	<a href="#">WG2048726</a>
(S) 4-Bromofluorobenzene	94.1			77.0-126		04/26/2023 00:42	<a href="#">WG2048726</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		04/26/2023 00:42	<a href="#">WG2048726</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1550000		2040	6800	20	04/26/2023 11:34	<a href="#">WG2047501</a>

## Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5660		2.91	9.70	1	04/27/2023 10:44	<a href="#">WG2049367</a>
Ethane	430		4.07	13.6	1	04/27/2023 10:44	<a href="#">WG2049367</a>
Ethene	14600		42.6	142	10	04/27/2023 16:18	<a href="#">WG2050192</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		282	940	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Acrylonitrile	U		16.8	56.0	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Benzene	U		2.35	7.83	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Bromobenzene	U		2.95	9.83	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Bromodichloromethane	U		3.40	11.3	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Bromoform	U		3.22	10.7	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Bromomethane	U		15.1	50.3	25	04/26/2023 04:28	<a href="#">WG2048726</a>
n-Butylbenzene	U		3.93	13.1	25	04/26/2023 04:28	<a href="#">WG2048726</a>
sec-Butylbenzene	U		3.13	10.4	25	04/26/2023 04:28	<a href="#">WG2048726</a>
tert-Butylbenzene	U		3.18	10.6	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Carbon tetrachloride	U		3.20	10.7	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Chlorobenzene	U		2.90	9.67	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Chlorodibromomethane	U		3.50	11.7	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Chloroethane	U		4.80	16.0	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Chloroform	U		2.78	9.27	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Chloromethane	U		24.0	80.0	25	04/26/2023 04:28	<a href="#">WG2048726</a>
2-Chlorotoluene	U		2.65	8.83	25	04/26/2023 04:28	<a href="#">WG2048726</a>
4-Chlorotoluene	U		2.85	9.50	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,2-Dibromo-3-Chloropropane	U		6.90	23.0	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,2-Dibromoethane	U		3.15	10.5	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Dibromomethane	U		3.05	10.2	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,2-Dichlorobenzene	U		2.68	8.93	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,3-Dichlorobenzene	U		2.75	9.17	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,4-Dichlorobenzene	U		3.00	10.0	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Dichlorodifluoromethane	U		9.35	31.2	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,1-Dichloroethane	U		2.50	8.33	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,2-Dichloroethane	U		2.05	6.83	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,1-Dichloroethene	16.4		4.70	15.7	25	04/26/2023 04:28	<a href="#">WG2048726</a>
cis-1,2-Dichloroethene	22600		63.0	210	500	05/01/2023 12:20	<a href="#">WG2051766</a>
trans-1,2-Dichloroethene	544		3.73	12.4	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,2-Dichloropropane	U		3.73	12.4	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,1-Dichloropropene	U		3.55	11.8	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,3-Dichloropropane	U		2.75	9.17	25	04/26/2023 04:28	<a href="#">WG2048726</a>
cis-1,3-Dichloropropene	U		2.78	9.27	25	04/26/2023 04:28	<a href="#">WG2048726</a>
trans-1,3-Dichloropropene	U		2.95	9.83	25	04/26/2023 04:28	<a href="#">WG2048726</a>
2,2-Dichloropropane	U		4.03	13.4	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Di-isopropyl ether	U		2.63	8.77	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Ethylbenzene	U		3.43	11.4	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Hexachloro-1,3-butadiene	U		8.43	28.1	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Isopropylbenzene	U		2.63	8.77	25	04/26/2023 04:28	<a href="#">WG2048726</a>
p-Isopropyltoluene	U		3.00	10.0	25	04/26/2023 04:28	<a href="#">WG2048726</a>
2-Butanone (MEK)	682		29.8	99.3	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Methylene Chloride	U		10.7	35.7	25	04/26/2023 04:28	<a href="#">WG2048726</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	U		12.0	40.0	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Methyl tert-butyl ether	U		2.53	8.43	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Naphthalene	U		25.0	83.3	25	04/26/2023 04:28	<a href="#">WG2048726</a>
n-Propylbenzene	U		2.48	8.27	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Styrene	U		2.95	9.83	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,1,1,2-Tetrachloroethane	U		3.68	12.3	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,1,2,2-Tetrachloroethane	U		3.33	11.1	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,1,2-Trichlorotrifluoroethane	U		4.50	15.0	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Tetrachloroethene	U		7.50	25.0	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Toluene	U		6.95	23.2	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,2,3-Trichlorobenzene	U		5.75	19.2	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,2,4-Trichlorobenzene	U		12.0	40.0	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,1,1-Trichloroethane	U		3.73	12.4	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,1,2-Trichloroethane	U		3.95	13.2	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Trichloroethene	17.1		4.75	15.8	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Trichlorofluoromethane	U		4.00	13.3	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,2,3-Trichloropropane	U		5.93	19.8	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,2,4-Trimethylbenzene	U		8.05	26.8	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,2,3-Trimethylbenzene	U		2.60	8.67	25	04/26/2023 04:28	<a href="#">WG2048726</a>
1,3,5-Trimethylbenzene	U		2.60	8.67	25	04/26/2023 04:28	<a href="#">WG2048726</a>
Vinyl chloride	32500		1170	3900	5000	05/01/2023 15:07	<a href="#">WG2051962</a>
Xylenes, Total	U		4.35	14.5	25	04/26/2023 04:28	<a href="#">WG2048726</a>
(S) Toluene-d8	102			80.0-120		04/26/2023 04:28	<a href="#">WG2048726</a>
(S) Toluene-d8	112			80.0-120		05/01/2023 12:20	<a href="#">WG2051766</a>
(S) Toluene-d8	103			80.0-120		05/01/2023 15:07	<a href="#">WG2051962</a>
(S) 4-Bromofluorobenzene	98.8			77.0-126		04/26/2023 04:28	<a href="#">WG2048726</a>
(S) 4-Bromofluorobenzene	99.9			77.0-126		05/01/2023 12:20	<a href="#">WG2051766</a>
(S) 4-Bromofluorobenzene	103			77.0-126		05/01/2023 15:07	<a href="#">WG2051962</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		04/26/2023 04:28	<a href="#">WG2048726</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/01/2023 12:20	<a href="#">WG2051766</a>
(S) 1,2-Dichloroethane-d4	95.7			70.0-130		05/01/2023 15:07	<a href="#">WG2051962</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Sample Narrative:

L1608438-04 WG2048726: Target compounds too high to run at a lower dilution.

## Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		2.91	9.70	1	04/27/2023 10:50	<a href="#">WG2049367</a>
Ethane	U		4.07	13.6	1	04/27/2023 10:50	<a href="#">WG2049367</a>
Ethene	U		4.26	14.2	1	04/27/2023 10:50	<a href="#">WG2049367</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	37.7	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Acrylonitrile	U		0.671	2.24	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Benzene	U		0.0941	0.314	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Bromobenzene	U		0.118	0.393	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Bromodichloromethane	U		0.136	0.453	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Bromoform	U		0.129	0.430	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Bromomethane	U		0.605	2.02	1	04/26/2023 01:03	<a href="#">WG2048726</a>
n-Butylbenzene	U		0.157	0.523	1	04/26/2023 01:03	<a href="#">WG2048726</a>
sec-Butylbenzene	U		0.125	0.417	1	04/26/2023 01:03	<a href="#">WG2048726</a>
tert-Butylbenzene	U		0.127	0.423	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Carbon tetrachloride	U		0.128	0.427	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Chlorobenzene	U		0.116	0.387	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Chlorodibromomethane	U		0.140	0.467	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Chloroethane	U		0.192	0.640	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Chloroform	U		0.111	0.370	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Chloromethane	U		0.960	3.20	1	04/26/2023 01:03	<a href="#">WG2048726</a>
2-Chlorotoluene	U		0.106	0.353	1	04/26/2023 01:03	<a href="#">WG2048726</a>
4-Chlorotoluene	U		0.114	0.380	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,2-Dibromo-3-Chloropropane	U		0.276	0.920	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,2-Dibromoethane	U		0.126	0.420	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Dibromomethane	U		0.122	0.407	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,2-Dichlorobenzene	U		0.107	0.357	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,3-Dichlorobenzene	U		0.110	0.367	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,4-Dichlorobenzene	U		0.120	0.400	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Dichlorodifluoromethane	U		0.374	1.25	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,1-Dichloroethane	U		0.100	0.333	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,2-Dichloroethane	U		0.0819	0.273	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,1-Dichloroethene	U		0.188	0.627	1	04/26/2023 01:03	<a href="#">WG2048726</a>
cis-1,2-Dichloroethene	0.571		0.126	0.420	1	04/26/2023 01:03	<a href="#">WG2048726</a>
trans-1,2-Dichloroethene	U		0.149	0.497	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,2-Dichloropropane	U		0.149	0.497	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,1-Dichloropropene	U		0.142	0.473	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,3-Dichloropropane	U		0.110	0.367	1	04/26/2023 01:03	<a href="#">WG2048726</a>
cis-1,3-Dichloropropene	U		0.111	0.370	1	04/26/2023 01:03	<a href="#">WG2048726</a>
trans-1,3-Dichloropropene	U		0.118	0.393	1	04/26/2023 01:03	<a href="#">WG2048726</a>
2,2-Dichloropropane	U		0.161	0.537	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Di-isopropyl ether	U		0.105	0.350	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Ethylbenzene	U		0.137	0.457	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Hexachloro-1,3-butadiene	U		0.337	1.12	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Isopropylbenzene	U		0.105	0.350	1	04/26/2023 01:03	<a href="#">WG2048726</a>
p-Isopropyltoluene	U		0.120	0.400	1	04/26/2023 01:03	<a href="#">WG2048726</a>
2-Butanone (MEK)	U		1.19	3.97	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Methylene Chloride	U		0.430	1.43	1	04/26/2023 01:03	<a href="#">WG2048726</a>
4-Methyl-2-pentanone (MIBK)	U		0.478	1.59	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Methyl tert-butyl ether	U		0.101	0.337	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Naphthalene	U		1.00	3.33	1	04/26/2023 01:03	<a href="#">WG2048726</a>
n-Propylbenzene	U		0.0993	0.331	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Styrene	U		0.118	0.393	1	04/26/2023 01:03	<a href="#">WG2048726</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.147	0.490	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,1,2,2-Tetrachloroethane	U		0.133	0.443	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,1,2-Trichlorotrifluoroethane	U		0.180	0.600	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Tetrachloroethene	U		0.300	1.00	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Toluene	U		0.278	0.927	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,2,3-Trichlorobenzene	U		0.230	0.767	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,2,4-Trichlorobenzene	U		0.481	1.60	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,1,1-Trichloroethane	U		0.149	0.497	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,1,2-Trichloroethane	U		0.158	0.527	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Trichloroethene	U		0.190	0.633	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Trichlorofluoromethane	U		0.160	0.533	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,2,3-Trichloropropane	U		0.237	0.790	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,2,4-Trimethylbenzene	U		0.322	1.07	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,2,3-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 01:03	<a href="#">WG2048726</a>
1,3,5-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Vinyl chloride	0.979		0.234	0.780	1	04/26/2023 01:03	<a href="#">WG2048726</a>
Xylenes, Total	U		0.174	0.580	1	04/26/2023 01:03	<a href="#">WG2048726</a>
(S) Toluene-d8	102			80.0-120		04/26/2023 01:03	<a href="#">WG2048726</a>
(S) 4-Bromofluorobenzene	94.5			77.0-126		04/26/2023 01:03	<a href="#">WG2048726</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		04/26/2023 01:03	<a href="#">WG2048726</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	315000		2040	6800	20	04/26/2023 10:27	<a href="#">WG2047501</a>

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	95.2		2.91	9.70	1	04/27/2023 10:53	<a href="#">WG2049367</a>
Ethane	154		4.07	13.6	1	04/27/2023 10:53	<a href="#">WG2049367</a>
Ethene	1720		4.26	14.2	1	04/27/2023 10:53	<a href="#">WG2049367</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		5650	18800	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Acrylonitrile	464	J	336	1120	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Benzene	U		47.1	157	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Bromobenzene	U		59.0	197	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Bromodichloromethane	U		68.0	227	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Bromoform	U		64.5	215	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Bromomethane	U		303	1010	500	04/26/2023 04:48	<a href="#">WG2048726</a>
n-Butylbenzene	U		78.5	262	500	04/26/2023 04:48	<a href="#">WG2048726</a>
sec-Butylbenzene	U		62.5	208	500	04/26/2023 04:48	<a href="#">WG2048726</a>
tert-Butylbenzene	U		63.5	212	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Carbon tetrachloride	U		64.0	213	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Chlorobenzene	U		58.0	193	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Chlorodibromomethane	U		70.0	233	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Chloroethane	U		96.0	320	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Chloroform	U		55.5	185	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Chloromethane	U		480	1600	500	04/26/2023 04:48	<a href="#">WG2048726</a>
2-Chlorotoluene	U		53.0	177	500	04/26/2023 04:48	<a href="#">WG2048726</a>
4-Chlorotoluene	U		57.0	190	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,2-Dibromo-3-Chloropropane	U		138	460	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,2-Dibromoethane	U		63.0	210	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Dibromomethane	U		61.0	203	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,2-Dichlorobenzene	U		53.5	178	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,3-Dichlorobenzene	U		55.0	183	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,4-Dichlorobenzene	U		60.0	200	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Dichlorodifluoromethane	U		187	623	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,1-Dichloroethane	73.7	J	50.0	167	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,2-Dichloroethane	U		40.9	136	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,1-Dichloroethene	865		94.0	313	500	04/26/2023 04:48	<a href="#">WG2048726</a>
cis-1,2-Dichloroethene	42900		63.0	210	500	04/26/2023 04:48	<a href="#">WG2048726</a>
trans-1,2-Dichloroethene	367		74.5	248	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,2-Dichloropropane	U		74.5	248	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,1-Dichloropropene	U		71.0	237	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,3-Dichloropropane	U		55.0	183	500	04/26/2023 04:48	<a href="#">WG2048726</a>
cis-1,3-Dichloropropene	U		55.5	185	500	04/26/2023 04:48	<a href="#">WG2048726</a>
trans-1,3-Dichloropropene	U		59.0	197	500	04/26/2023 04:48	<a href="#">WG2048726</a>
2,2-Dichloropropane	U		80.5	268	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Di-isopropyl ether	U		52.5	175	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Ethylbenzene	U		68.5	228	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Hexachloro-1,3-butadiene	U		169	563	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Isopropylbenzene	U		52.5	175	500	04/26/2023 04:48	<a href="#">WG2048726</a>
p-Isopropyltoluene	U		60.0	200	500	04/26/2023 04:48	<a href="#">WG2048726</a>
2-Butanone (MEK)	U		595	1980	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Methylene Chloride	U		215	717	500	04/26/2023 04:48	<a href="#">WG2048726</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	U		239	797	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Methyl tert-butyl ether	U		50.5	168	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Naphthalene	U		500	1670	500	04/26/2023 04:48	<a href="#">WG2048726</a>
n-Propylbenzene	U		49.7	166	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Styrene	U		59.0	197	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,1,1,2-Tetrachloroethane	U		73.5	245	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,1,2,2-Tetrachloroethane	U		66.5	222	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,1,2-Trichlorotrifluoroethane	U		90.0	300	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Tetrachloroethene	167	U	150	500	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Toluene	U		139	463	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,2,3-Trichlorobenzene	U		115	383	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,2,4-Trichlorobenzene	U		241	803	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,1,1-Trichloroethane	U		74.5	248	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,1,2-Trichloroethane	U		79.0	263	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Trichloroethene	210000		1900	6330	10000	05/01/2023 15:28	<a href="#">WG2051962</a>
Trichlorofluoromethane	U		80.0	267	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,2,3-Trichloropropane	U		119	397	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,2,4-Trimethylbenzene	U		161	537	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,2,3-Trimethylbenzene	U		52.0	173	500	04/26/2023 04:48	<a href="#">WG2048726</a>
1,3,5-Trimethylbenzene	U		52.0	173	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Vinyl chloride	11300		117	390	500	04/26/2023 04:48	<a href="#">WG2048726</a>
Xylenes, Total	131	U	87.0	290	500	04/26/2023 04:48	<a href="#">WG2048726</a>
(S) Toluene-d8	103			80.0-120		04/26/2023 04:48	<a href="#">WG2048726</a>
(S) Toluene-d8	102			80.0-120		05/01/2023 15:28	<a href="#">WG2051962</a>
(S) 4-Bromofluorobenzene	91.4			77.0-126		04/26/2023 04:48	<a href="#">WG2048726</a>
(S) 4-Bromofluorobenzene	102			77.0-126		05/01/2023 15:28	<a href="#">WG2051962</a>
(S) 1,2-Dichloroethane-d4	106			70.0-130		04/26/2023 04:48	<a href="#">WG2048726</a>
(S) 1,2-Dichloroethane-d4	98.8			70.0-130		05/01/2023 15:28	<a href="#">WG2051962</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1080000		2040	6800	20	04/26/2023 11:54	<a href="#">WG2047501</a>

## Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	12700		29.1	97.0	10	04/27/2023 16:24	<a href="#">WG2050192</a>
Ethane	52.7		4.07	13.6	1	04/27/2023 11:01	<a href="#">WG2049367</a>
Ethene	683		4.26	14.2	1	04/27/2023 11:01	<a href="#">WG2049367</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	75.6		11.3	37.7	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Acrylonitrile	U		0.671	2.24	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Benzene	0.152	J	0.0941	0.314	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Bromobenzene	U		0.118	0.393	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Bromodichloromethane	U		0.136	0.453	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Bromoform	U		0.129	0.430	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Bromomethane	U		0.605	2.02	1	04/26/2023 01:23	<a href="#">WG2048726</a>
n-Butylbenzene	U		0.157	0.523	1	04/26/2023 01:23	<a href="#">WG2048726</a>
sec-Butylbenzene	U		0.125	0.417	1	04/26/2023 01:23	<a href="#">WG2048726</a>
tert-Butylbenzene	U		0.127	0.423	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Carbon tetrachloride	U		0.128	0.427	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Chlorobenzene	U		0.116	0.387	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Chlorodibromomethane	U		0.140	0.467	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Chloroethane	U		0.192	0.640	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Chloroform	U		0.111	0.370	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Chloromethane	U		0.960	3.20	1	04/26/2023 01:23	<a href="#">WG2048726</a>
2-Chlorotoluene	U		0.106	0.353	1	04/26/2023 01:23	<a href="#">WG2048726</a>
4-Chlorotoluene	U		0.114	0.380	1	04/26/2023 01:23	<a href="#">WG2048726</a>
1,2-Dibromo-3-Chloropropane	U		0.276	0.920	1	04/26/2023 01:23	<a href="#">WG2048726</a>
1,2-Dibromoethane	U		0.126	0.420	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Dibromomethane	U		0.122	0.407	1	04/26/2023 01:23	<a href="#">WG2048726</a>
1,2-Dichlorobenzene	U		0.107	0.357	1	04/26/2023 01:23	<a href="#">WG2048726</a>
1,3-Dichlorobenzene	U		0.110	0.367	1	04/26/2023 01:23	<a href="#">WG2048726</a>
1,4-Dichlorobenzene	U		0.120	0.400	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Dichlorodifluoromethane	U		0.374	1.25	1	04/26/2023 01:23	<a href="#">WG2048726</a>
1,1-Dichloroethane	U		0.100	0.333	1	04/26/2023 01:23	<a href="#">WG2048726</a>
1,2-Dichloroethane	U		0.0819	0.273	1	04/26/2023 01:23	<a href="#">WG2048726</a>
1,1-Dichloroethene	U		0.188	0.627	1	04/26/2023 01:23	<a href="#">WG2048726</a>
cis-1,2-Dichloroethene	17.2		0.126	0.420	1	04/26/2023 01:23	<a href="#">WG2048726</a>
trans-1,2-Dichloroethene	4.81		0.149	0.497	1	04/26/2023 01:23	<a href="#">WG2048726</a>
1,2-Dichloropropane	U		0.149	0.497	1	04/26/2023 01:23	<a href="#">WG2048726</a>
1,1-Dichloropropene	U		0.142	0.473	1	04/26/2023 01:23	<a href="#">WG2048726</a>
1,3-Dichloropropane	U		0.110	0.367	1	04/26/2023 01:23	<a href="#">WG2048726</a>
cis-1,3-Dichloropropene	U		0.111	0.370	1	04/26/2023 01:23	<a href="#">WG2048726</a>
trans-1,3-Dichloropropene	U		0.118	0.393	1	04/26/2023 01:23	<a href="#">WG2048726</a>
2,2-Dichloropropane	U		0.161	0.537	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Di-isopropyl ether	U		0.105	0.350	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Ethylbenzene	U		0.137	0.457	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Hexachloro-1,3-butadiene	U		0.337	1.12	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Isopropylbenzene	U		0.105	0.350	1	04/26/2023 01:23	<a href="#">WG2048726</a>
p-Isopropyltoluene	U		0.120	0.400	1	04/26/2023 01:23	<a href="#">WG2048726</a>
2-Butanone (MEK)	390		1.19	3.97	1	04/26/2023 01:23	<a href="#">WG2048726</a>
Methylene Chloride	U		0.430	1.43	1	04/26/2023 01:23	<a href="#">WG2048726</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	0.779	J	0.478	1.59	1	04/26/2023 01:23	WG2048726
Methyl tert-butyl ether	U		0.101	0.337	1	04/26/2023 01:23	WG2048726
Naphthalene	U		1.00	3.33	1	04/26/2023 01:23	WG2048726
n-Propylbenzene	U		0.0993	0.331	1	04/26/2023 01:23	WG2048726
Styrene	U		0.118	0.393	1	04/26/2023 01:23	WG2048726
1,1,1,2-Tetrachloroethane	U		0.147	0.490	1	04/26/2023 01:23	WG2048726
1,1,2,2-Tetrachloroethane	U		0.133	0.443	1	04/26/2023 01:23	WG2048726
1,1,2-Trichlorotrifluoroethane	U		0.180	0.600	1	04/26/2023 01:23	WG2048726
Tetrachloroethene	U		0.300	1.00	1	04/26/2023 01:23	WG2048726
Toluene	U		0.278	0.927	1	04/26/2023 01:23	WG2048726
1,2,3-Trichlorobenzene	U		0.230	0.767	1	04/26/2023 01:23	WG2048726
1,2,4-Trichlorobenzene	U		0.481	1.60	1	04/26/2023 01:23	WG2048726
1,1,1-Trichloroethane	U		0.149	0.497	1	04/26/2023 01:23	WG2048726
1,1,2-Trichloroethane	U		0.158	0.527	1	04/26/2023 01:23	WG2048726
Trichloroethene	0.505	J	0.190	0.633	1	04/26/2023 01:23	WG2048726
Trichlorofluoromethane	U		0.160	0.533	1	04/26/2023 01:23	WG2048726
1,2,3-Trichloropropane	U		0.237	0.790	1	04/26/2023 01:23	WG2048726
1,2,4-Trimethylbenzene	U		0.322	1.07	1	04/26/2023 01:23	WG2048726
1,2,3-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 01:23	WG2048726
1,3,5-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 01:23	WG2048726
Vinyl chloride	17.0		0.234	0.780	1	04/26/2023 01:23	WG2048726
Xylenes, Total	U		0.174	0.580	1	04/26/2023 01:23	WG2048726
(S) Toluene-d8	98.1			80.0-120		04/26/2023 01:23	WG2048726
(S) 4-Bromofluorobenzene	99.6			77.0-126		04/26/2023 01:23	WG2048726
(S) 1,2-Dichloroethane-d4	101			70.0-130		04/26/2023 01:23	WG2048726

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	74.5		2.91	9.70	1	04/27/2023 11:18	<a href="#">WG2049367</a>
Ethane	U		4.07	13.6	1	04/27/2023 11:18	<a href="#">WG2049367</a>
Ethene	U		4.26	14.2	1	04/27/2023 11:18	<a href="#">WG2049367</a>

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	37.7	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Acrylonitrile	U		0.671	2.24	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Benzene	U		0.0941	0.314	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Bromobenzene	U		0.118	0.393	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Bromodichloromethane	U		0.136	0.453	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Bromoform	U		0.129	0.430	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Bromomethane	U		0.605	2.02	1	04/26/2023 01:44	<a href="#">WG2048726</a>
n-Butylbenzene	U		0.157	0.523	1	04/26/2023 01:44	<a href="#">WG2048726</a>
sec-Butylbenzene	U		0.125	0.417	1	04/26/2023 01:44	<a href="#">WG2048726</a>
tert-Butylbenzene	U		0.127	0.423	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Carbon tetrachloride	U		0.128	0.427	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Chlorobenzene	U		0.116	0.387	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Chlorodibromomethane	U		0.140	0.467	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Chloroethane	U		0.192	0.640	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Chloroform	U		0.111	0.370	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Chloromethane	U		0.960	3.20	1	04/26/2023 01:44	<a href="#">WG2048726</a>
2-Chlorotoluene	U		0.106	0.353	1	04/26/2023 01:44	<a href="#">WG2048726</a>
4-Chlorotoluene	U		0.114	0.380	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,2-Dibromo-3-Chloropropane	U		0.276	0.920	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,2-Dibromoethane	U		0.126	0.420	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Dibromomethane	U		0.122	0.407	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,2-Dichlorobenzene	U		0.107	0.357	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,3-Dichlorobenzene	U		0.110	0.367	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,4-Dichlorobenzene	U		0.120	0.400	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Dichlorodifluoromethane	0.987	U	0.374	1.25	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,1-Dichloroethane	0.165	U	0.100	0.333	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,2-Dichloroethane	U		0.0819	0.273	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,1-Dichloroethene	U		0.188	0.627	1	04/26/2023 01:44	<a href="#">WG2048726</a>
cis-1,2-Dichloroethene	73.3		0.126	0.420	1	04/26/2023 01:44	<a href="#">WG2048726</a>
trans-1,2-Dichloroethene	9.30		0.149	0.497	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,2-Dichloropropane	U		0.149	0.497	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,1-Dichloropropene	U		0.142	0.473	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,3-Dichloropropane	U		0.110	0.367	1	04/26/2023 01:44	<a href="#">WG2048726</a>
cis-1,3-Dichloropropene	U		0.111	0.370	1	04/26/2023 01:44	<a href="#">WG2048726</a>
trans-1,3-Dichloropropene	U		0.118	0.393	1	04/26/2023 01:44	<a href="#">WG2048726</a>
2,2-Dichloropropane	U		0.161	0.537	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Di-isopropyl ether	U		0.105	0.350	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Ethylbenzene	U		0.137	0.457	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Hexachloro-1,3-butadiene	U		0.337	1.12	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Isopropylbenzene	U		0.105	0.350	1	04/26/2023 01:44	<a href="#">WG2048726</a>
p-Isopropyltoluene	U		0.120	0.400	1	04/26/2023 01:44	<a href="#">WG2048726</a>
2-Butanone (MEK)	U		1.19	3.97	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Methylene Chloride	U		0.430	1.43	1	04/26/2023 01:44	<a href="#">WG2048726</a>
4-Methyl-2-pentanone (MIBK)	U		0.478	1.59	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Methyl tert-butyl ether	U		0.101	0.337	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Naphthalene	U		1.00	3.33	1	04/26/2023 01:44	<a href="#">WG2048726</a>
n-Propylbenzene	U		0.0993	0.331	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Styrene	U		0.118	0.393	1	04/26/2023 01:44	<a href="#">WG2048726</a>

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

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.147	0.490	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,1,2,2-Tetrachloroethane	U		0.133	0.443	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,1,2-Trichlorotrifluoroethane	U		0.180	0.600	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Tetrachloroethene	U		0.300	1.00	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Toluene	U		0.278	0.927	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,2,3-Trichlorobenzene	U		0.230	0.767	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,2,4-Trichlorobenzene	U		0.481	1.60	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,1,1-Trichloroethane	U		0.149	0.497	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,1,2-Trichloroethane	U		0.158	0.527	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Trichloroethene	1.08		0.190	0.633	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Trichlorofluoromethane	U		0.160	0.533	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,2,3-Trichloropropane	U		0.237	0.790	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,2,4-Trimethylbenzene	U		0.322	1.07	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,2,3-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 01:44	<a href="#">WG2048726</a>
1,3,5-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 01:44	<a href="#">WG2048726</a>
Vinyl chloride	656		4.68	15.6	20	05/01/2023 13:01	<a href="#">WG2051766</a>
Xylenes, Total	U		0.174	0.580	1	04/26/2023 01:44	<a href="#">WG2048726</a>
(S) Toluene-d8	102			80.0-120		04/26/2023 01:44	<a href="#">WG2048726</a>
(S) Toluene-d8	108			80.0-120		05/01/2023 13:01	<a href="#">WG2051766</a>
(S) 4-Bromofluorobenzene	95.0			77.0-126		04/26/2023 01:44	<a href="#">WG2048726</a>
(S) 4-Bromofluorobenzene	93.1			77.0-126		05/01/2023 13:01	<a href="#">WG2051766</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		04/26/2023 01:44	<a href="#">WG2048726</a>
(S) 1,2-Dichloroethane-d4	106			70.0-130		05/01/2023 13:01	<a href="#">WG2051766</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	305		2.91	9.70	1	04/27/2023 11:26	<a href="#">WG2049367</a>
Ethane	U		4.07	13.6	1	04/27/2023 11:26	<a href="#">WG2049367</a>
Ethene	U		4.26	14.2	1	04/27/2023 11:26	<a href="#">WG2049367</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	37.7	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Acrylonitrile	U		0.671	2.24	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Benzene	U		0.0941	0.314	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Bromobenzene	U		0.118	0.393	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Bromodichloromethane	U		0.136	0.453	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Bromoform	U		0.129	0.430	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Bromomethane	U		0.605	2.02	1	04/26/2023 02:04	<a href="#">WG2048726</a>
n-Butylbenzene	U		0.157	0.523	1	04/26/2023 02:04	<a href="#">WG2048726</a>
sec-Butylbenzene	U		0.125	0.417	1	04/26/2023 02:04	<a href="#">WG2048726</a>
tert-Butylbenzene	U		0.127	0.423	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Carbon tetrachloride	U		0.128	0.427	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Chlorobenzene	U		0.116	0.387	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Chlorodibromomethane	U		0.140	0.467	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Chloroethane	U		0.192	0.640	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Chloroform	U		0.111	0.370	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Chloromethane	U		0.960	3.20	1	04/26/2023 02:04	<a href="#">WG2048726</a>
2-Chlorotoluene	U		0.106	0.353	1	04/26/2023 02:04	<a href="#">WG2048726</a>
4-Chlorotoluene	U		0.114	0.380	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,2-Dibromo-3-Chloropropane	U		0.276	0.920	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,2-Dibromoethane	U		0.126	0.420	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Dibromomethane	U		0.122	0.407	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,2-Dichlorobenzene	U		0.107	0.357	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,3-Dichlorobenzene	U		0.110	0.367	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,4-Dichlorobenzene	U		0.120	0.400	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Dichlorodifluoromethane	26.3		0.374	1.25	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,1-Dichloroethane	U		0.100	0.333	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,2-Dichloroethane	U		0.0819	0.273	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,1-Dichloroethene	17.5		0.188	0.627	1	04/26/2023 02:04	<a href="#">WG2048726</a>
cis-1,2-Dichloroethene	260		1.26	4.20	10	05/01/2023 13:22	<a href="#">WG2051766</a>
trans-1,2-Dichloroethene	1.72		0.149	0.497	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,2-Dichloropropane	U		0.149	0.497	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,1-Dichloropropene	U		0.142	0.473	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,3-Dichloropropane	U		0.110	0.367	1	04/26/2023 02:04	<a href="#">WG2048726</a>
cis-1,3-Dichloropropene	U		0.111	0.370	1	04/26/2023 02:04	<a href="#">WG2048726</a>
trans-1,3-Dichloropropene	U		0.118	0.393	1	04/26/2023 02:04	<a href="#">WG2048726</a>
2,2-Dichloropropane	U		0.161	0.537	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Di-isopropyl ether	U		0.105	0.350	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Ethylbenzene	U		0.137	0.457	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Hexachloro-1,3-butadiene	U		0.337	1.12	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Isopropylbenzene	U		0.105	0.350	1	04/26/2023 02:04	<a href="#">WG2048726</a>
p-Isopropyltoluene	U		0.120	0.400	1	04/26/2023 02:04	<a href="#">WG2048726</a>
2-Butanone (MEK)	5.34		1.19	3.97	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Methylene Chloride	U		0.430	1.43	1	04/26/2023 02:04	<a href="#">WG2048726</a>
4-Methyl-2-pentanone (MIBK)	U		0.478	1.59	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Methyl tert-butyl ether	U		0.101	0.337	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Naphthalene	U		1.00	3.33	1	04/26/2023 02:04	<a href="#">WG2048726</a>
n-Propylbenzene	U		0.0993	0.331	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Styrene	U		0.118	0.393	1	04/26/2023 02:04	<a href="#">WG2048726</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.147	0.490	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,1,2,2-Tetrachloroethane	U		0.133	0.443	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,1,2-Trichlorotrifluoroethane	U		0.180	0.600	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Tetrachloroethene	U		0.300	1.00	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Toluene	U		0.278	0.927	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,2,3-Trichlorobenzene	U		0.230	0.767	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,2,4-Trichlorobenzene	U		0.481	1.60	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,1,1-Trichloroethane	U		0.149	0.497	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,1,2-Trichloroethane	U		0.158	0.527	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Trichloroethene	36.7		0.190	0.633	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Trichlorofluoromethane	U		0.160	0.533	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,2,3-Trichloropropane	U		0.237	0.790	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,2,4-Trimethylbenzene	U		0.322	1.07	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,2,3-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 02:04	<a href="#">WG2048726</a>
1,3,5-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Vinyl chloride	34.9		0.234	0.780	1	04/26/2023 02:04	<a href="#">WG2048726</a>
Xylenes, Total	U		0.174	0.580	1	04/26/2023 02:04	<a href="#">WG2048726</a>
(S) Toluene-d8	101			80.0-120		04/26/2023 02:04	<a href="#">WG2048726</a>
(S) Toluene-d8	110			80.0-120		05/01/2023 13:22	<a href="#">WG2051766</a>
(S) 4-Bromofluorobenzene	99.6			77.0-126		04/26/2023 02:04	<a href="#">WG2048726</a>
(S) 4-Bromofluorobenzene	97.5			77.0-126		05/01/2023 13:22	<a href="#">WG2051766</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		04/26/2023 02:04	<a href="#">WG2048726</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/01/2023 13:22	<a href="#">WG2051766</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	138		2.91	9.70	1	04/27/2023 11:32	<a href="#">WG2049367</a>
Ethane	59.3		4.07	13.6	1	04/27/2023 11:32	<a href="#">WG2049367</a>
Ethene	1030		4.26	14.2	1	04/27/2023 11:32	<a href="#">WG2049367</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	37.7	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Acrylonitrile	U		0.671	2.24	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Benzene	0.443		0.0941	0.314	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Bromobenzene	U		0.118	0.393	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Bromodichloromethane	U		0.136	0.453	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Bromoform	U		0.129	0.430	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Bromomethane	U		0.605	2.02	1	04/26/2023 02:25	<a href="#">WG2048726</a>
n-Butylbenzene	U		0.157	0.523	1	04/26/2023 02:25	<a href="#">WG2048726</a>
sec-Butylbenzene	U		0.125	0.417	1	04/26/2023 02:25	<a href="#">WG2048726</a>
tert-Butylbenzene	U		0.127	0.423	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Carbon tetrachloride	U		0.128	0.427	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Chlorobenzene	U		0.116	0.387	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Chlorodibromomethane	U		0.140	0.467	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Chloroethane	U		0.192	0.640	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Chloroform	0.949		0.111	0.370	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Chloromethane	U		0.960	3.20	1	04/26/2023 02:25	<a href="#">WG2048726</a>
2-Chlorotoluene	U		0.106	0.353	1	04/26/2023 02:25	<a href="#">WG2048726</a>
4-Chlorotoluene	U		0.114	0.380	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,2-Dibromo-3-Chloropropane	U		0.276	0.920	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,2-Dibromoethane	U		0.126	0.420	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Dibromomethane	U		0.122	0.407	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,2-Dichlorobenzene	U		0.107	0.357	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,3-Dichlorobenzene	U		0.110	0.367	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,4-Dichlorobenzene	U		0.120	0.400	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Dichlorodifluoromethane	191		18.7	62.3	50	05/01/2023 13:42	<a href="#">WG2051766</a>
1,1-Dichloroethane	0.128	J	0.100	0.333	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,2-Dichloroethane	2.63		0.0819	0.273	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,1-Dichloroethene	110		0.188	0.627	1	04/26/2023 02:25	<a href="#">WG2048726</a>
cis-1,2-Dichloroethene	1760		6.30	21.0	50	05/01/2023 13:42	<a href="#">WG2051766</a>
trans-1,2-Dichloroethene	93.3		7.45	24.8	50	05/01/2023 13:42	<a href="#">WG2051766</a>
1,2-Dichloropropane	U		0.149	0.497	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,1-Dichloropropene	U		0.142	0.473	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,3-Dichloropropane	U		0.110	0.367	1	04/26/2023 02:25	<a href="#">WG2048726</a>
cis-1,3-Dichloropropene	U		0.111	0.370	1	04/26/2023 02:25	<a href="#">WG2048726</a>
trans-1,3-Dichloropropene	U		0.118	0.393	1	04/26/2023 02:25	<a href="#">WG2048726</a>
2,2-Dichloropropane	U		0.161	0.537	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Di-isopropyl ether	U		0.105	0.350	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Ethylbenzene	U		0.137	0.457	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Hexachloro-1,3-butadiene	U		0.337	1.12	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Isopropylbenzene	U		0.105	0.350	1	04/26/2023 02:25	<a href="#">WG2048726</a>
p-Isopropyltoluene	U		0.120	0.400	1	04/26/2023 02:25	<a href="#">WG2048726</a>
2-Butanone (MEK)	9.89		1.19	3.97	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Methylene Chloride	0.680	J	0.430	1.43	1	04/26/2023 02:25	<a href="#">WG2048726</a>
4-Methyl-2-pentanone (MIBK)	3.78		0.478	1.59	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Methyl tert-butyl ether	U		0.101	0.337	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Naphthalene	U		1.00	3.33	1	04/26/2023 02:25	<a href="#">WG2048726</a>
n-Propylbenzene	U		0.0993	0.331	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Styrene	U		0.118	0.393	1	04/26/2023 02:25	<a href="#">WG2048726</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	U		0.147	0.490	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,1,2,2-Tetrachloroethane	U		0.133	0.443	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,1,2-Trichlorotrifluoroethane	U		0.180	0.600	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Tetrachloroethene	U		0.300	1.00	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Toluene	0.306	U	0.278	0.927	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,2,3-Trichlorobenzene	U		0.230	0.767	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,2,4-Trichlorobenzene	U		0.481	1.60	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,1,1-Trichloroethane	U		0.149	0.497	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,1,2-Trichloroethane	2.19		0.158	0.527	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Trichloroethene	U		0.190	0.633	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Trichlorofluoromethane	U		0.160	0.533	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,2,3-Trichloropropane	1.03		0.237	0.790	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,2,4-Trimethylbenzene	U		0.322	1.07	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,2,3-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 02:25	<a href="#">WG2048726</a>
1,3,5-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 02:25	<a href="#">WG2048726</a>
Vinyl chloride	527		11.7	39.0	50	05/01/2023 13:42	<a href="#">WG2051766</a>
Xylenes, Total	0.392	U	0.174	0.580	1	04/26/2023 02:25	<a href="#">WG2048726</a>
(S) Toluene-d8	102			80.0-120		04/26/2023 02:25	<a href="#">WG2048726</a>
(S) Toluene-d8	113			80.0-120		05/01/2023 13:42	<a href="#">WG2051766</a>
(S) 4-Bromofluorobenzene	99.2			77.0-126		04/26/2023 02:25	<a href="#">WG2048726</a>
(S) 4-Bromofluorobenzene	101			77.0-126		05/01/2023 13:42	<a href="#">WG2051766</a>
(S) 1,2-Dichloroethane-d4	106			70.0-130		04/26/2023 02:25	<a href="#">WG2048726</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		05/01/2023 13:42	<a href="#">WG2051766</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	37.7	1	04/26/2023 02:45	WG2048726
Acrylonitrile	U		0.671	2.24	1	04/26/2023 02:45	WG2048726
Benzene	0.114	J	0.0941	0.314	1	04/26/2023 02:45	WG2048726
Bromobenzene	U		0.118	0.393	1	04/26/2023 02:45	WG2048726
Bromodichloromethane	U		0.136	0.453	1	04/26/2023 02:45	WG2048726
Bromoform	U		0.129	0.430	1	04/26/2023 02:45	WG2048726
Bromomethane	U		0.605	2.02	1	04/26/2023 02:45	WG2048726
n-Butylbenzene	U		0.157	0.523	1	04/26/2023 02:45	WG2048726
sec-Butylbenzene	U		0.125	0.417	1	04/26/2023 02:45	WG2048726
tert-Butylbenzene	U		0.127	0.423	1	04/26/2023 02:45	WG2048726
Carbon tetrachloride	U		0.128	0.427	1	04/26/2023 02:45	WG2048726
Chlorobenzene	U		0.116	0.387	1	04/26/2023 02:45	WG2048726
Chlorodibromomethane	U		0.140	0.467	1	04/26/2023 02:45	WG2048726
Chloroethane	U		0.192	0.640	1	04/26/2023 02:45	WG2048726
Chloroform	U		0.111	0.370	1	04/26/2023 02:45	WG2048726
Chloromethane	U		0.960	3.20	1	04/26/2023 02:45	WG2048726
2-Chlorotoluene	U		0.106	0.353	1	04/26/2023 02:45	WG2048726
4-Chlorotoluene	U		0.114	0.380	1	04/26/2023 02:45	WG2048726
1,2-Dibromo-3-Chloropropane	U		0.276	0.920	1	04/26/2023 02:45	WG2048726
1,2-Dibromoethane	U		0.126	0.420	1	04/26/2023 02:45	WG2048726
Dibromomethane	U		0.122	0.407	1	04/26/2023 02:45	WG2048726
1,2-Dichlorobenzene	U		0.107	0.357	1	04/26/2023 02:45	WG2048726
1,3-Dichlorobenzene	U		0.110	0.367	1	04/26/2023 02:45	WG2048726
1,4-Dichlorobenzene	U		0.120	0.400	1	04/26/2023 02:45	WG2048726
Dichlorodifluoromethane	U		0.374	1.25	1	04/26/2023 02:45	WG2048726
1,1-Dichloroethane	1.10		0.100	0.333	1	04/26/2023 02:45	WG2048726
1,2-Dichloroethane	U		0.0819	0.273	1	04/26/2023 02:45	WG2048726
1,1-Dichloroethene	1.87		0.188	0.627	1	04/26/2023 02:45	WG2048726
cis-1,2-Dichloroethene	212		1.26	4.20	10	05/01/2023 14:03	WG2051766
trans-1,2-Dichloroethene	6.24		1.49	4.97	10	05/01/2023 14:03	WG2051766
1,2-Dichloropropane	U		0.149	0.497	1	04/26/2023 02:45	WG2048726
1,1-Dichloropropene	U		0.142	0.473	1	04/26/2023 02:45	WG2048726
1,3-Dichloropropane	U		0.110	0.367	1	04/26/2023 02:45	WG2048726
cis-1,3-Dichloropropene	U		0.111	0.370	1	04/26/2023 02:45	WG2048726
trans-1,3-Dichloropropene	U		0.118	0.393	1	04/26/2023 02:45	WG2048726
2,2-Dichloropropane	U		0.161	0.537	1	04/26/2023 02:45	WG2048726
Di-isopropyl ether	U		0.105	0.350	1	04/26/2023 02:45	WG2048726
Ethylbenzene	U		0.137	0.457	1	04/26/2023 02:45	WG2048726
Hexachloro-1,3-butadiene	U		0.337	1.12	1	04/26/2023 02:45	WG2048726
Isopropylbenzene	U		0.105	0.350	1	04/26/2023 02:45	WG2048726
p-Isopropyltoluene	U		0.120	0.400	1	04/26/2023 02:45	WG2048726
2-Butanone (MEK)	2.38	J	1.19	3.97	1	04/26/2023 02:45	WG2048726
Methylene Chloride	U		0.430	1.43	1	04/26/2023 02:45	WG2048726
4-Methyl-2-pentanone (MIBK)	0.734	J	0.478	1.59	1	04/26/2023 02:45	WG2048726
Methyl tert-butyl ether	U		0.101	0.337	1	04/26/2023 02:45	WG2048726
Naphthalene	U		1.00	3.33	1	04/26/2023 02:45	WG2048726
n-Propylbenzene	U		0.0993	0.331	1	04/26/2023 02:45	WG2048726
Styrene	U		0.118	0.393	1	04/26/2023 02:45	WG2048726
1,1,1,2-Tetrachloroethane	U		0.147	0.490	1	04/26/2023 02:45	WG2048726
1,1,2,2-Tetrachloroethane	U		0.133	0.443	1	04/26/2023 02:45	WG2048726
1,1,2-Trichlorotrifluoroethane	U		0.180	0.600	1	04/26/2023 02:45	WG2048726
Tetrachloroethene	U		0.300	1.00	1	04/26/2023 02:45	WG2048726
Toluene	U		0.278	0.927	1	04/26/2023 02:45	WG2048726
1,2,3-Trichlorobenzene	U		0.230	0.767	1	04/26/2023 02:45	WG2048726
1,2,4-Trichlorobenzene	U		0.481	1.60	1	04/26/2023 02:45	WG2048726
1,1,1-Trichloroethane	U		0.149	0.497	1	04/26/2023 02:45	WG2048726

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.158	0.527	1	04/26/2023 02:45	<a href="#">WG2048726</a>
Trichloroethene	53.9		0.190	0.633	1	04/26/2023 02:45	<a href="#">WG2048726</a>
Trichlorofluoromethane	U		0.160	0.533	1	04/26/2023 02:45	<a href="#">WG2048726</a>
1,2,3-Trichloropropane	U		0.237	0.790	1	04/26/2023 02:45	<a href="#">WG2048726</a>
1,2,4-Trimethylbenzene	U		0.322	1.07	1	04/26/2023 02:45	<a href="#">WG2048726</a>
1,2,3-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 02:45	<a href="#">WG2048726</a>
1,3,5-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 02:45	<a href="#">WG2048726</a>
Vinyl chloride	288		2.34	7.80	10	05/01/2023 14:03	<a href="#">WG2051766</a>
Xylenes, Total	U		0.174	0.580	1	04/26/2023 02:45	<a href="#">WG2048726</a>
(S) Toluene-d8	103			80.0-120		04/26/2023 02:45	<a href="#">WG2048726</a>
(S) Toluene-d8	108			80.0-120		05/01/2023 14:03	<a href="#">WG2051766</a>
(S) 4-Bromofluorobenzene	94.1			77.0-126		04/26/2023 02:45	<a href="#">WG2048726</a>
(S) 4-Bromofluorobenzene	92.9			77.0-126		05/01/2023 14:03	<a href="#">WG2051766</a>
(S) 1,2-Dichloroethane-d4	106			70.0-130		04/26/2023 02:45	<a href="#">WG2048726</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		05/01/2023 14:03	<a href="#">WG2051766</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	37.7	1	04/26/2023 03:06	WG2048726
Acrylonitrile	U		0.671	2.24	1	04/26/2023 03:06	WG2048726
Benzene	U		0.0941	0.314	1	04/26/2023 03:06	WG2048726
Bromobenzene	U		0.118	0.393	1	04/26/2023 03:06	WG2048726
Bromodichloromethane	U		0.136	0.453	1	04/26/2023 03:06	WG2048726
Bromoform	U		0.129	0.430	1	04/26/2023 03:06	WG2048726
Bromomethane	U		0.605	2.02	1	04/26/2023 03:06	WG2048726
n-Butylbenzene	U		0.157	0.523	1	04/26/2023 03:06	WG2048726
sec-Butylbenzene	U		0.125	0.417	1	04/26/2023 03:06	WG2048726
tert-Butylbenzene	U		0.127	0.423	1	04/26/2023 03:06	WG2048726
Carbon tetrachloride	U		0.128	0.427	1	04/26/2023 03:06	WG2048726
Chlorobenzene	U		0.116	0.387	1	04/26/2023 03:06	WG2048726
Chlorodibromomethane	U		0.140	0.467	1	04/26/2023 03:06	WG2048726
Chloroethane	U		0.192	0.640	1	04/26/2023 03:06	WG2048726
Chloroform	0.136	J	0.111	0.370	1	04/26/2023 03:06	WG2048726
Chloromethane	U		0.960	3.20	1	04/26/2023 03:06	WG2048726
2-Chlorotoluene	U		0.106	0.353	1	04/26/2023 03:06	WG2048726
4-Chlorotoluene	U		0.114	0.380	1	04/26/2023 03:06	WG2048726
1,2-Dibromo-3-Chloropropane	U		0.276	0.920	1	04/26/2023 03:06	WG2048726
1,2-Dibromoethane	U		0.126	0.420	1	04/26/2023 03:06	WG2048726
Dibromomethane	U		0.122	0.407	1	04/26/2023 03:06	WG2048726
1,2-Dichlorobenzene	U		0.107	0.357	1	04/26/2023 03:06	WG2048726
1,3-Dichlorobenzene	U		0.110	0.367	1	04/26/2023 03:06	WG2048726
1,4-Dichlorobenzene	U		0.120	0.400	1	04/26/2023 03:06	WG2048726
Dichlorodifluoromethane	U		0.374	1.25	1	04/26/2023 03:06	WG2048726
1,1-Dichloroethane	0.117	J	0.100	0.333	1	04/26/2023 03:06	WG2048726
1,2-Dichloroethane	U		0.0819	0.273	1	04/26/2023 03:06	WG2048726
1,1-Dichloroethene	U		0.188	0.627	1	04/26/2023 03:06	WG2048726
cis-1,2-Dichloroethene	13.6		0.126	0.420	1	05/01/2023 10:36	WG2051766
trans-1,2-Dichloroethene	0.468	J	0.149	0.497	1	05/01/2023 10:36	WG2051766
1,2-Dichloropropane	U		0.149	0.497	1	04/26/2023 03:06	WG2048726
1,1-Dichloropropene	U		0.142	0.473	1	04/26/2023 03:06	WG2048726
1,3-Dichloropropane	U		0.110	0.367	1	04/26/2023 03:06	WG2048726
cis-1,3-Dichloropropene	U		0.111	0.370	1	04/26/2023 03:06	WG2048726
trans-1,3-Dichloropropene	U		0.118	0.393	1	04/26/2023 03:06	WG2048726
2,2-Dichloropropane	U		0.161	0.537	1	04/26/2023 03:06	WG2048726
Di-isopropyl ether	U		0.105	0.350	1	04/26/2023 03:06	WG2048726
Ethylbenzene	U		0.137	0.457	1	04/26/2023 03:06	WG2048726
Hexachloro-1,3-butadiene	U		0.337	1.12	1	04/26/2023 03:06	WG2048726
Isopropylbenzene	U		0.105	0.350	1	04/26/2023 03:06	WG2048726
p-Isopropyltoluene	U		0.120	0.400	1	04/26/2023 03:06	WG2048726
2-Butanone (MEK)	U		1.19	3.97	1	04/26/2023 03:06	WG2048726
Methylene Chloride	U		0.430	1.43	1	04/26/2023 03:06	WG2048726
4-Methyl-2-pentanone (MIBK)	U		0.478	1.59	1	04/26/2023 03:06	WG2048726
Methyl tert-butyl ether	U		0.101	0.337	1	04/26/2023 03:06	WG2048726
Naphthalene	U		1.00	3.33	1	04/26/2023 03:06	WG2048726
n-Propylbenzene	U		0.0993	0.331	1	04/26/2023 03:06	WG2048726
Styrene	U		0.118	0.393	1	04/26/2023 03:06	WG2048726
1,1,1,2-Tetrachloroethane	U		0.147	0.490	1	04/26/2023 03:06	WG2048726
1,1,2,2-Tetrachloroethane	U		0.133	0.443	1	04/26/2023 03:06	WG2048726
1,1,2-Trichlorotrifluoroethane	U		0.180	0.600	1	04/26/2023 03:06	WG2048726
Tetrachloroethene	U		0.300	1.00	1	04/26/2023 03:06	WG2048726
Toluene	U		0.278	0.927	1	04/26/2023 03:06	WG2048726
1,2,3-Trichlorobenzene	U		0.230	0.767	1	04/26/2023 03:06	WG2048726
1,2,4-Trichlorobenzene	U		0.481	1.60	1	04/26/2023 03:06	WG2048726
1,1,1-Trichloroethane	U		0.149	0.497	1	04/26/2023 03:06	WG2048726

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.158	0.527	1	04/26/2023 03:06	<a href="#">WG2048726</a>
Trichloroethene	17.0		0.190	0.633	1	04/26/2023 03:06	<a href="#">WG2048726</a>
Trichlorofluoromethane	U		0.160	0.533	1	04/26/2023 03:06	<a href="#">WG2048726</a>
1,2,3-Trichloropropane	U		0.237	0.790	1	04/26/2023 03:06	<a href="#">WG2048726</a>
1,2,4-Trimethylbenzene	U		0.322	1.07	1	04/26/2023 03:06	<a href="#">WG2048726</a>
1,2,3-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 03:06	<a href="#">WG2048726</a>
1,3,5-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 03:06	<a href="#">WG2048726</a>
Vinyl chloride	U		0.234	0.780	1	05/01/2023 10:36	<a href="#">WG2051766</a>
Xylenes, Total	U		0.174	0.580	1	04/26/2023 03:06	<a href="#">WG2048726</a>
(S) Toluene-d8	101			80.0-120		04/26/2023 03:06	<a href="#">WG2048726</a>
(S) Toluene-d8	151	<u>J1</u>		80.0-120		05/01/2023 10:36	<a href="#">WG2051766</a>
(S) 4-Bromofluorobenzene	95.5			77.0-126		04/26/2023 03:06	<a href="#">WG2048726</a>
(S) 4-Bromofluorobenzene	138	<u>J1</u>		77.0-126		05/01/2023 10:36	<a href="#">WG2051766</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		04/26/2023 03:06	<a href="#">WG2048726</a>
(S) 1,2-Dichloroethane-d4	110			70.0-130		05/01/2023 10:36	<a href="#">WG2051766</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	33.9	J	11.3	37.7	1	04/26/2023 03:26	WG2048726
Acrylonitrile	U		0.671	2.24	1	04/26/2023 03:26	WG2048726
Benzene	0.148	J	0.0941	0.314	1	04/26/2023 03:26	WG2048726
Bromobenzene	U		0.118	0.393	1	04/26/2023 03:26	WG2048726
Bromodichloromethane	U		0.136	0.453	1	04/26/2023 03:26	WG2048726
Bromoform	U		0.129	0.430	1	04/26/2023 03:26	WG2048726
Bromomethane	U		0.605	2.02	1	04/26/2023 03:26	WG2048726
n-Butylbenzene	U		0.157	0.523	1	04/26/2023 03:26	WG2048726
sec-Butylbenzene	U		0.125	0.417	1	04/26/2023 03:26	WG2048726
tert-Butylbenzene	U		0.127	0.423	1	04/26/2023 03:26	WG2048726
Carbon tetrachloride	U		0.128	0.427	1	04/26/2023 03:26	WG2048726
Chlorobenzene	U		0.116	0.387	1	04/26/2023 03:26	WG2048726
Chlorodibromomethane	U		0.140	0.467	1	04/26/2023 03:26	WG2048726
Chloroethane	0.766		0.192	0.640	1	04/26/2023 03:26	WG2048726
Chloroform	U		0.111	0.370	1	04/26/2023 03:26	WG2048726
Chloromethane	U		0.960	3.20	1	04/26/2023 03:26	WG2048726
2-Chlorotoluene	U		0.106	0.353	1	04/26/2023 03:26	WG2048726
4-Chlorotoluene	U		0.114	0.380	1	04/26/2023 03:26	WG2048726
1,2-Dibromo-3-Chloropropane	U		0.276	0.920	1	04/26/2023 03:26	WG2048726
1,2-Dibromoethane	U		0.126	0.420	1	04/26/2023 03:26	WG2048726
Dibromomethane	U		0.122	0.407	1	04/26/2023 03:26	WG2048726
1,2-Dichlorobenzene	U		0.107	0.357	1	04/26/2023 03:26	WG2048726
1,3-Dichlorobenzene	U		0.110	0.367	1	04/26/2023 03:26	WG2048726
1,4-Dichlorobenzene	U		0.120	0.400	1	04/26/2023 03:26	WG2048726
Dichlorodifluoromethane	U		0.374	1.25	1	04/26/2023 03:26	WG2048726
1,1-Dichloroethane	7.14		0.100	0.333	1	04/26/2023 03:26	WG2048726
1,2-Dichloroethane	U		0.0819	0.273	1	04/26/2023 03:26	WG2048726
1,1-Dichloroethene	U		0.188	0.627	1	04/26/2023 03:26	WG2048726
cis-1,2-Dichloroethene	3.03		0.126	0.420	1	05/01/2023 10:57	WG2051766
trans-1,2-Dichloroethene	1.71		0.149	0.497	1	04/26/2023 03:26	WG2048726
1,2-Dichloropropane	U		0.149	0.497	1	04/26/2023 03:26	WG2048726
1,1-Dichloropropene	U		0.142	0.473	1	04/26/2023 03:26	WG2048726
1,3-Dichloropropane	U		0.110	0.367	1	04/26/2023 03:26	WG2048726
cis-1,3-Dichloropropene	U		0.111	0.370	1	04/26/2023 03:26	WG2048726
trans-1,3-Dichloropropene	U		0.118	0.393	1	04/26/2023 03:26	WG2048726
2,2-Dichloropropane	U		0.161	0.537	1	04/26/2023 03:26	WG2048726
Di-isopropyl ether	U		0.105	0.350	1	04/26/2023 03:26	WG2048726
Ethylbenzene	U		0.137	0.457	1	04/26/2023 03:26	WG2048726
Hexachloro-1,3-butadiene	U		0.337	1.12	1	04/26/2023 03:26	WG2048726
Isopropylbenzene	U		0.105	0.350	1	04/26/2023 03:26	WG2048726
p-Isopropyltoluene	U		0.120	0.400	1	04/26/2023 03:26	WG2048726
2-Butanone (MEK)	149		1.19	3.97	1	04/26/2023 03:26	WG2048726
Methylene Chloride	U		0.430	1.43	1	04/26/2023 03:26	WG2048726
4-Methyl-2-pentanone (MIBK)	0.641	J	0.478	1.59	1	04/26/2023 03:26	WG2048726
Methyl tert-butyl ether	U		0.101	0.337	1	04/26/2023 03:26	WG2048726
Naphthalene	U		1.00	3.33	1	04/26/2023 03:26	WG2048726
n-Propylbenzene	U		0.0993	0.331	1	04/26/2023 03:26	WG2048726
Styrene	U		0.118	0.393	1	04/26/2023 03:26	WG2048726
1,1,1,2-Tetrachloroethane	U		0.147	0.490	1	04/26/2023 03:26	WG2048726
1,1,2,2-Tetrachloroethane	U		0.133	0.443	1	04/26/2023 03:26	WG2048726
1,1,2-Trichlorotrifluoroethane	U		0.180	0.600	1	04/26/2023 03:26	WG2048726
Tetrachloroethene	U		0.300	1.00	1	04/26/2023 03:26	WG2048726
Toluene	U		0.278	0.927	1	04/26/2023 03:26	WG2048726
1,2,3-Trichlorobenzene	U		0.230	0.767	1	04/26/2023 03:26	WG2048726
1,2,4-Trichlorobenzene	U		0.481	1.60	1	04/26/2023 03:26	WG2048726
1,1,1-Trichloroethane	0.155	J	0.149	0.497	1	04/26/2023 03:26	WG2048726

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.158	0.527	1	04/26/2023 03:26	<a href="#">WG2048726</a>
Trichloroethene	0.395	J	0.190	0.633	1	04/26/2023 03:26	<a href="#">WG2048726</a>
Trichlorofluoromethane	U		0.160	0.533	1	04/26/2023 03:26	<a href="#">WG2048726</a>
1,2,3-Trichloropropane	U		0.237	0.790	1	04/26/2023 03:26	<a href="#">WG2048726</a>
1,2,4-Trimethylbenzene	U		0.322	1.07	1	04/26/2023 03:26	<a href="#">WG2048726</a>
1,2,3-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 03:26	<a href="#">WG2048726</a>
1,3,5-Trimethylbenzene	U		0.104	0.347	1	04/26/2023 03:26	<a href="#">WG2048726</a>
Vinyl chloride	3.27		0.234	0.780	1	04/26/2023 03:26	<a href="#">WG2048726</a>
Xylenes, Total	U		0.174	0.580	1	04/26/2023 03:26	<a href="#">WG2048726</a>
(S) Toluene-d8	98.6			80.0-120		04/26/2023 03:26	<a href="#">WG2048726</a>
(S) Toluene-d8	108			80.0-120		05/01/2023 10:57	<a href="#">WG2051766</a>
(S) 4-Bromofluorobenzene	99.1			77.0-126		04/26/2023 03:26	<a href="#">WG2048726</a>
(S) 4-Bromofluorobenzene	100			77.0-126		05/01/2023 10:57	<a href="#">WG2051766</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		04/26/2023 03:26	<a href="#">WG2048726</a>
(S) 1,2-Dichloroethane-d4	106			70.0-130		05/01/2023 10:57	<a href="#">WG2051766</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

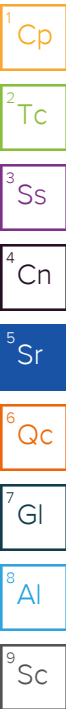
7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		282	940	25	04/26/2023 05:09	WG2048726
Acrylonitrile	U		16.8	56.0	25	04/26/2023 05:09	WG2048726
Benzene	U		2.35	7.83	25	04/26/2023 05:09	WG2048726
Bromobenzene	U		2.95	9.83	25	04/26/2023 05:09	WG2048726
Bromodichloromethane	U		3.40	11.3	25	04/26/2023 05:09	WG2048726
Bromoform	U		3.22	10.7	25	04/26/2023 05:09	WG2048726
Bromomethane	U		15.1	50.3	25	04/26/2023 05:09	WG2048726
n-Butylbenzene	U		3.93	13.1	25	04/26/2023 05:09	WG2048726
sec-Butylbenzene	U		3.13	10.4	25	04/26/2023 05:09	WG2048726
tert-Butylbenzene	U		3.18	10.6	25	04/26/2023 05:09	WG2048726
Carbon tetrachloride	U		3.20	10.7	25	04/26/2023 05:09	WG2048726
Chlorobenzene	U		2.90	9.67	25	04/26/2023 05:09	WG2048726
Chlorodibromomethane	U		3.50	11.7	25	04/26/2023 05:09	WG2048726
Chloroethane	U		4.80	16.0	25	04/26/2023 05:09	WG2048726
Chloroform	U		2.78	9.27	25	04/26/2023 05:09	WG2048726
Chloromethane	U		24.0	80.0	25	04/26/2023 05:09	WG2048726
2-Chlorotoluene	U		2.65	8.83	25	04/26/2023 05:09	WG2048726
4-Chlorotoluene	U		2.85	9.50	25	04/26/2023 05:09	WG2048726
1,2-Dibromo-3-Chloropropane	U		6.90	23.0	25	04/26/2023 05:09	WG2048726
1,2-Dibromoethane	U		3.15	10.5	25	04/26/2023 05:09	WG2048726
Dibromomethane	U		3.05	10.2	25	04/26/2023 05:09	WG2048726
1,2-Dichlorobenzene	U		2.68	8.93	25	04/26/2023 05:09	WG2048726
1,3-Dichlorobenzene	U		2.75	9.17	25	04/26/2023 05:09	WG2048726
1,4-Dichlorobenzene	U		3.00	10.0	25	04/26/2023 05:09	WG2048726
Dichlorodifluoromethane	U		9.35	31.2	25	04/26/2023 05:09	WG2048726
1,1-Dichloroethane	U		2.50	8.33	25	04/26/2023 05:09	WG2048726
1,2-Dichloroethane	3.33	J	2.05	6.83	25	04/26/2023 05:09	WG2048726
1,1-Dichloroethene	20.6		4.70	15.7	25	04/26/2023 05:09	WG2048726
cis-1,2-Dichloroethene	9830		126	420	1000	05/01/2023 14:24	WG2051766
trans-1,2-Dichloroethene	601		3.73	12.4	25	04/26/2023 05:09	WG2048726
1,2-Dichloropropane	U		3.73	12.4	25	04/26/2023 05:09	WG2048726
1,1-Dichloropropene	U		3.55	11.8	25	04/26/2023 05:09	WG2048726
1,3-Dichloropropane	U		2.75	9.17	25	04/26/2023 05:09	WG2048726
cis-1,3-Dichloropropene	U		2.78	9.27	25	04/26/2023 05:09	WG2048726
trans-1,3-Dichloropropene	U		2.95	9.83	25	04/26/2023 05:09	WG2048726
2,2-Dichloropropane	U		4.03	13.4	25	04/26/2023 05:09	WG2048726
Di-isopropyl ether	U		2.63	8.77	25	04/26/2023 05:09	WG2048726
Ethylbenzene	U		3.43	11.4	25	04/26/2023 05:09	WG2048726
Hexachloro-1,3-butadiene	U		8.43	28.1	25	04/26/2023 05:09	WG2048726
Isopropylbenzene	U		2.63	8.77	25	04/26/2023 05:09	WG2048726
p-Isopropyltoluene	U		3.00	10.0	25	04/26/2023 05:09	WG2048726
2-Butanone (MEK)	686		29.8	99.3	25	04/26/2023 05:09	WG2048726
Methylene Chloride	U		10.7	35.7	25	04/26/2023 05:09	WG2048726
4-Methyl-2-pentanone (MIBK)	U		12.0	40.0	25	04/26/2023 05:09	WG2048726
Methyl tert-butyl ether	U		2.53	8.43	25	04/26/2023 05:09	WG2048726
Naphthalene	U		25.0	83.3	25	04/26/2023 05:09	WG2048726
n-Propylbenzene	U		2.48	8.27	25	04/26/2023 05:09	WG2048726
Styrene	U		2.95	9.83	25	04/26/2023 05:09	WG2048726
1,1,1,2-Tetrachloroethane	U		3.68	12.3	25	04/26/2023 05:09	WG2048726
1,1,2,2-Tetrachloroethane	U		3.33	11.1	25	04/26/2023 05:09	WG2048726
1,1,2-Trichlorotrifluoroethane	U		4.50	15.0	25	04/26/2023 05:09	WG2048726
Tetrachloroethene	U		7.50	25.0	25	04/26/2023 05:09	WG2048726
Toluene	U		6.95	23.2	25	04/26/2023 05:09	WG2048726
1,2,3-Trichlorobenzene	U		5.75	19.2	25	04/26/2023 05:09	WG2048726
1,2,4-Trichlorobenzene	U		12.0	40.0	25	04/26/2023 05:09	WG2048726
1,1,1-Trichloroethane	U		3.73	12.4	25	04/26/2023 05:09	WG2048726



## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		3.95	13.2	25	04/26/2023 05:09	<a href="#">WG2048726</a>
Trichloroethene	U		190	633	1000	05/01/2023 14:24	<a href="#">WG2051766</a>
Trichlorofluoromethane	U		4.00	13.3	25	04/26/2023 05:09	<a href="#">WG2048726</a>
1,2,3-Trichloropropane	U		5.93	19.8	25	04/26/2023 05:09	<a href="#">WG2048726</a>
1,2,4-Trimethylbenzene	U		8.05	26.8	25	04/26/2023 05:09	<a href="#">WG2048726</a>
1,2,3-Trimethylbenzene	U		2.60	8.67	25	04/26/2023 05:09	<a href="#">WG2048726</a>
1,3,5-Trimethylbenzene	U		2.60	8.67	25	04/26/2023 05:09	<a href="#">WG2048726</a>
Vinyl chloride	46100		234	780	1000	05/01/2023 14:24	<a href="#">WG2051766</a>
Xylenes, Total	U		4.35	14.5	25	04/26/2023 05:09	<a href="#">WG2048726</a>
(S) Toluene-d8	102			80.0-120		04/26/2023 05:09	<a href="#">WG2048726</a>
(S) Toluene-d8	99.9			80.0-120		05/01/2023 14:24	<a href="#">WG2051766</a>
(S) 4-Bromofluorobenzene	99.7			77.0-126		04/26/2023 05:09	<a href="#">WG2048726</a>
(S) 4-Bromofluorobenzene	90.9			77.0-126		05/01/2023 14:24	<a href="#">WG2051766</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		04/26/2023 05:09	<a href="#">WG2048726</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		05/01/2023 14:24	<a href="#">WG2051766</a>

## Sample Narrative:

L1608438-14 WG2048726: Target compounds too high to run at a lower dilution.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	37.7	1	04/25/2023 22:40	WG2048726
Acrylonitrile	U		0.671	2.24	1	04/25/2023 22:40	WG2048726
Benzene	U		0.0941	0.314	1	04/25/2023 22:40	WG2048726
Bromobenzene	U		0.118	0.393	1	04/25/2023 22:40	WG2048726
Bromodichloromethane	U		0.136	0.453	1	04/25/2023 22:40	WG2048726
Bromoform	U		0.129	0.430	1	04/25/2023 22:40	WG2048726
Bromomethane	U		0.605	2.02	1	04/25/2023 22:40	WG2048726
n-Butylbenzene	U		0.157	0.523	1	04/25/2023 22:40	WG2048726
sec-Butylbenzene	U		0.125	0.417	1	04/25/2023 22:40	WG2048726
tert-Butylbenzene	U		0.127	0.423	1	04/25/2023 22:40	WG2048726
Carbon tetrachloride	U		0.128	0.427	1	04/25/2023 22:40	WG2048726
Chlorobenzene	U		0.116	0.387	1	04/25/2023 22:40	WG2048726
Chlorodibromomethane	U		0.140	0.467	1	04/25/2023 22:40	WG2048726
Chloroethane	U		0.192	0.640	1	04/25/2023 22:40	WG2048726
Chloroform	U		0.111	0.370	1	04/25/2023 22:40	WG2048726
Chloromethane	U		0.960	3.20	1	04/25/2023 22:40	WG2048726
2-Chlorotoluene	U		0.106	0.353	1	04/25/2023 22:40	WG2048726
4-Chlorotoluene	U		0.114	0.380	1	04/25/2023 22:40	WG2048726
1,2-Dibromo-3-Chloropropane	U		0.276	0.920	1	04/25/2023 22:40	WG2048726
1,2-Dibromoethane	U		0.126	0.420	1	04/25/2023 22:40	WG2048726
Dibromomethane	U		0.122	0.407	1	04/25/2023 22:40	WG2048726
1,2-Dichlorobenzene	U		0.107	0.357	1	04/25/2023 22:40	WG2048726
1,3-Dichlorobenzene	U		0.110	0.367	1	04/25/2023 22:40	WG2048726
1,4-Dichlorobenzene	U		0.120	0.400	1	04/25/2023 22:40	WG2048726
Dichlorodifluoromethane	U		0.374	1.25	1	04/25/2023 22:40	WG2048726
1,1-Dichloroethane	U		0.100	0.333	1	04/25/2023 22:40	WG2048726
1,2-Dichloroethane	U		0.0819	0.273	1	04/25/2023 22:40	WG2048726
1,1-Dichloroethene	U		0.188	0.627	1	04/25/2023 22:40	WG2048726
cis-1,2-Dichloroethene	U		0.126	0.420	1	04/25/2023 22:40	WG2048726
trans-1,2-Dichloroethene	U		0.149	0.497	1	04/25/2023 22:40	WG2048726
1,2-Dichloropropane	U		0.149	0.497	1	04/25/2023 22:40	WG2048726
1,1-Dichloropropene	U		0.142	0.473	1	04/25/2023 22:40	WG2048726
1,3-Dichloropropane	U		0.110	0.367	1	04/25/2023 22:40	WG2048726
cis-1,3-Dichloropropene	U		0.111	0.370	1	04/25/2023 22:40	WG2048726
trans-1,3-Dichloropropene	U		0.118	0.393	1	04/25/2023 22:40	WG2048726
2,2-Dichloropropane	U		0.161	0.537	1	04/25/2023 22:40	WG2048726
Di-isopropyl ether	U		0.105	0.350	1	04/25/2023 22:40	WG2048726
Ethylbenzene	U		0.137	0.457	1	04/25/2023 22:40	WG2048726
Hexachloro-1,3-butadiene	U		0.337	1.12	1	04/25/2023 22:40	WG2048726
Isopropylbenzene	U		0.105	0.350	1	04/25/2023 22:40	WG2048726
p-Isopropyltoluene	U		0.120	0.400	1	04/25/2023 22:40	WG2048726
2-Butanone (MEK)	U		1.19	3.97	1	04/25/2023 22:40	WG2048726
Methylene Chloride	U		0.430	1.43	1	04/25/2023 22:40	WG2048726
4-Methyl-2-pentanone (MIBK)	U		0.478	1.59	1	04/25/2023 22:40	WG2048726
Methyl tert-butyl ether	U		0.101	0.337	1	04/25/2023 22:40	WG2048726
Naphthalene	U		1.00	3.33	1	04/25/2023 22:40	WG2048726
n-Propylbenzene	U		0.0993	0.331	1	04/25/2023 22:40	WG2048726
Styrene	U		0.118	0.393	1	04/25/2023 22:40	WG2048726
1,1,1,2-Tetrachloroethane	U		0.147	0.490	1	04/25/2023 22:40	WG2048726
1,1,2,2-Tetrachloroethane	U		0.133	0.443	1	04/25/2023 22:40	WG2048726
1,1,2-Trichlorotrifluoroethane	U		0.180	0.600	1	04/25/2023 22:40	WG2048726
Tetrachloroethene	U		0.300	1.00	1	04/25/2023 22:40	WG2048726
Toluene	U		0.278	0.927	1	04/25/2023 22:40	WG2048726
1,2,3-Trichlorobenzene	U		0.230	0.767	1	04/25/2023 22:40	WG2048726
1,2,4-Trichlorobenzene	U		0.481	1.60	1	04/25/2023 22:40	WG2048726
1,1,1-Trichloroethane	U		0.149	0.497	1	04/25/2023 22:40	WG2048726

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

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.158	0.527	1	04/25/2023 22:40	<a href="#">WG2048726</a>
Trichloroethene	U		0.190	0.633	1	04/25/2023 22:40	<a href="#">WG2048726</a>
Trichlorofluoromethane	U		0.160	0.533	1	04/25/2023 22:40	<a href="#">WG2048726</a>
1,2,3-Trichloropropane	U		0.237	0.790	1	04/25/2023 22:40	<a href="#">WG2048726</a>
1,2,4-Trimethylbenzene	U		0.322	1.07	1	04/25/2023 22:40	<a href="#">WG2048726</a>
1,2,3-Trimethylbenzene	U		0.104	0.347	1	04/25/2023 22:40	<a href="#">WG2048726</a>
1,3,5-Trimethylbenzene	U		0.104	0.347	1	04/25/2023 22:40	<a href="#">WG2048726</a>
Vinyl chloride	U		0.234	0.780	1	04/25/2023 22:40	<a href="#">WG2048726</a>
Xylenes, Total	U		0.174	0.580	1	04/25/2023 22:40	<a href="#">WG2048726</a>
(S) Toluene-d8	99.8			80.0-120		04/25/2023 22:40	<a href="#">WG2048726</a>
(S) 4-Bromofluorobenzene	93.7			77.0-126		04/25/2023 22:40	<a href="#">WG2048726</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		04/25/2023 22:40	<a href="#">WG2048726</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3917757-2 04/26/23 00:09

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC (Total Organic Carbon)	126	↓	102	340

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

L1607116-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1607116-01 04/26/23 03:46 • (DUP) R3917757-5 04/26/23 04:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	1250	1160	1	7.07		20

L1608192-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1608192-01 04/26/23 07:51 • (DUP) R3917757-6 04/26/23 08:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC (Total Organic Carbon)	7110	6390	1	10.7		20

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3917757-1 04/25/23 23:54

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC (Total Organic Carbon)	75000	71900	95.8	85.0-115	

L1606528-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1606528-19 04/26/23 02:48 • (MS) R3917757-3 04/26/23 03:10 • (MSD) R3917757-4 04/26/23 03:32

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	50000	U	48000	48100	96.0	96.3	1	80.0-120			0.229	20

L1607984-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1607984-06 04/26/23 14:52 • (MS) R3917757-7 04/26/23 15:18 • (MSD) R3917757-8 04/26/23 15:45

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC (Total Organic Carbon)	500000	416000	897000	898000	96.2	96.3	10	80.0-120			0.0334	20

Method Blank (MB)

(MB) R3918063-2 04/27/23 09:10

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		2.91	9.70
Ethane	U		4.07	13.6
Ethene	U		4.26	14.2

L1608310-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1608310-01 04/27/23 09:14 • (DUP) R3918063-3 04/27/23 10:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	442	444	1	0.451		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1608438-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1608438-02 04/27/23 10:37 • (DUP) R3918063-4 04/27/23 11:38

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	62.4	64.0	1	2.53		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

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

(LCS) R3918063-1 04/27/23 09:07 • (LCSD) R3918063-5 04/27/23 11:43

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	64.5	60.8	95.1	89.7	85.0-115			5.91	20
Ethane	129	115	110	89.1	85.3	85.0-115			4.44	20
Ethene	127	116	111	91.3	87.4	85.0-115			4.41	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3918315-2 04/27/23 15:42

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		2.91	9.70
Ethene	U		4.26	14.2

L1608438-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1608438-01 04/27/23 16:13 • (DUP) R3918315-3 04/27/23 16:29

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	7690	6760	10	12.9		20
Ethene	U	U	10	0.000		20

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

(LCS) R3918315-1 04/27/23 15:38 • (LCSD) R3918315-4 04/27/23 16:45

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	64.0	62.4	94.4	92.0	85.0-115			2.53	20
Ethene	127	112	113	88.2	89.0	85.0-115			0.889	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3919306-2 04/25/23 21:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	37.7
Acrylonitrile	U		0.671	2.24
Benzene	U		0.0941	0.314
Bromobenzene	U		0.118	0.393
Bromodichloromethane	U		0.136	0.453
Bromoform	U		0.129	0.430
Bromomethane	U		0.605	2.02
n-Butylbenzene	U		0.157	0.523
sec-Butylbenzene	U		0.125	0.417
tert-Butylbenzene	U		0.127	0.423
Carbon tetrachloride	U		0.128	0.427
Chlorobenzene	U		0.116	0.387
Chlorodibromomethane	U		0.140	0.467
Chloroethane	U		0.192	0.640
Chloroform	U		0.111	0.370
Chloromethane	U		0.960	3.20
2-Chlorotoluene	U		0.106	0.353
4-Chlorotoluene	U		0.114	0.380
1,2-Dibromo-3-Chloropropane	U		0.276	0.920
1,2-Dibromoethane	U		0.126	0.420
Dibromomethane	U		0.122	0.407
1,2-Dichlorobenzene	U		0.107	0.357
1,3-Dichlorobenzene	U		0.110	0.367
1,4-Dichlorobenzene	U		0.120	0.400
Dichlorodifluoromethane	U		0.374	1.25
1,1-Dichloroethane	U		0.100	0.333
1,2-Dichloroethane	U		0.0819	0.273
1,1-Dichloroethene	U		0.188	0.627
cis-1,2-Dichloroethene	U		0.126	0.420
trans-1,2-Dichloroethene	U		0.149	0.497
1,2-Dichloropropane	U		0.149	0.497
1,1-Dichloropropene	U		0.142	0.473
1,3-Dichloropropane	U		0.110	0.367
cis-1,3-Dichloropropene	U		0.111	0.370
trans-1,3-Dichloropropene	U		0.118	0.393
2,2-Dichloropropane	U		0.161	0.537
Di-isopropyl ether	U		0.105	0.350
Ethylbenzene	U		0.137	0.457
Hexachloro-1,3-butadiene	U		0.337	1.12
Isopropylbenzene	U		0.105	0.350

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3919306-2 04/25/23 21:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
p-Isopropyltoluene	U		0.120	0.400
2-Butanone (MEK)	U		1.19	3.97
Methylene Chloride	U		0.430	1.43
4-Methyl-2-pentanone (MIBK)	U		0.478	1.59
Methyl tert-butyl ether	U		0.101	0.337
Naphthalene	U		1.00	3.33
n-Propylbenzene	U		0.0993	0.331
Styrene	U		0.118	0.393
1,1,1,2-Tetrachloroethane	U		0.147	0.490
1,1,2,2-Tetrachloroethane	U		0.133	0.443
1,1,2-Trichlorotrifluoroethane	U		0.180	0.600
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	0.927
1,2,3-Trichlorobenzene	U		0.230	0.767
1,2,4-Trichlorobenzene	U		0.481	1.60
1,1,1-Trichloroethane	U		0.149	0.497
1,1,2-Trichloroethane	U		0.158	0.527
Trichloroethene	U		0.190	0.633
Trichlorofluoromethane	U		0.160	0.533
1,2,3-Trichloropropane	U		0.237	0.790
1,2,4-Trimethylbenzene	U		0.322	1.07
1,2,3-Trimethylbenzene	U		0.104	0.347
1,3,5-Trimethylbenzene	U		0.104	0.347
Vinyl chloride	U		0.234	0.780
Xylenes, Total	U		0.174	0.580
(S) Toluene-d8	106			80.0-120
(S) 4-Bromofluorobenzene	96.9			77.0-126
(S) 1,2-Dichloroethane-d4	106			70.0-130

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS)

(LCS) R3919306-1 04/25/23 20:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	27.2	109	19.0-160	
Acrylonitrile	25.0	22.1	88.4	55.0-149	
Benzene	5.00	5.05	101	70.0-123	
Bromobenzene	5.00	4.54	90.8	73.0-121	
Bromodichloromethane	5.00	4.88	97.6	75.0-120	

Laboratory Control Sample (LCS)

(LCS) R3919306-1 04/25/23 20:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Bromoform	5.00	4.16	83.2	68.0-132	
Bromomethane	5.00	3.27	65.4	10.0-160	
n-Butylbenzene	5.00	4.04	80.8	73.0-125	
sec-Butylbenzene	5.00	4.16	83.2	75.0-125	
tert-Butylbenzene	5.00	4.61	92.2	76.0-124	
Carbon tetrachloride	5.00	5.73	115	68.0-126	
Chlorobenzene	5.00	4.86	97.2	80.0-121	
Chlorodibromomethane	5.00	4.63	92.6	77.0-125	
Chloroethane	5.00	6.43	129	47.0-150	
Chloroform	5.00	5.17	103	73.0-120	
Chloromethane	5.00	4.59	91.8	41.0-142	
2-Chlorotoluene	5.00	4.65	93.0	76.0-123	
4-Chlorotoluene	5.00	4.68	93.6	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	3.98	79.6	58.0-134	
1,2-Dibromoethane	5.00	4.55	91.0	80.0-122	
Dibromomethane	5.00	4.85	97.0	80.0-120	
1,2-Dichlorobenzene	5.00	4.43	88.6	79.0-121	
1,3-Dichlorobenzene	5.00	4.70	94.0	79.0-120	
1,4-Dichlorobenzene	5.00	4.80	96.0	79.0-120	
Dichlorodifluoromethane	5.00	6.31	126	51.0-149	
1,1-Dichloroethane	5.00	4.96	99.2	70.0-126	
1,2-Dichloroethane	5.00	5.05	101	70.0-128	
1,1-Dichloroethene	5.00	5.32	106	71.0-124	
cis-1,2-Dichloroethene	5.00	5.32	106	73.0-120	
trans-1,2-Dichloroethene	5.00	5.35	107	73.0-120	
1,2-Dichloropropane	5.00	4.64	92.8	77.0-125	
1,1-Dichloropropene	5.00	5.16	103	74.0-126	
1,3-Dichloropropane	5.00	4.31	86.2	80.0-120	
cis-1,3-Dichloropropene	5.00	4.74	94.8	80.0-123	
trans-1,3-Dichloropropene	5.00	4.40	88.0	78.0-124	
2,2-Dichloropropane	5.00	5.35	107	58.0-130	
Di-isopropyl ether	5.00	4.63	92.6	58.0-138	
Ethylbenzene	5.00	4.91	98.2	79.0-123	
Hexachloro-1,3-butadiene	5.00	3.48	69.6	54.0-138	
Isopropylbenzene	5.00	4.80	96.0	76.0-127	
p-Isopropyltoluene	5.00	4.34	86.8	76.0-125	
2-Butanone (MEK)	25.0	24.7	98.8	44.0-160	
Methylene Chloride	5.00	5.38	108	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	21.3	85.2	68.0-142	
Methyl tert-butyl ether	5.00	4.79	95.8	68.0-125	

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS)

(LCS) R3919306-1 04/25/23 20:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Naphthalene	5.00	3.87	77.4	54.0-135	
n-Propylbenzene	5.00	4.51	90.2	77.0-124	
Styrene	5.00	4.44	88.8	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.03	101	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.03	80.6	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	5.12	102	69.0-132	
Tetrachloroethene	5.00	5.27	105	72.0-132	
Toluene	5.00	5.01	100	79.0-120	
1,2,3-Trichlorobenzene	5.00	3.97	79.4	50.0-138	
1,2,4-Trichlorobenzene	5.00	3.77	75.4	57.0-137	
1,1,1-Trichloroethane	5.00	5.91	118	73.0-124	
1,1,2-Trichloroethane	5.00	4.24	84.8	80.0-120	
Trichloroethene	5.00	5.28	106	78.0-124	
Trichlorofluoromethane	5.00	5.99	120	59.0-147	
1,2,3-Trichloropropane	5.00	4.63	92.6	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.50	90.0	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.30	86.0	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.55	91.0	76.0-122	
Vinyl chloride	5.00	5.95	119	67.0-131	
Xylenes, Total	15.0	14.1	94.0	79.0-123	
<i>(S) Toluene-d8</i>			98.7	80.0-120	
<i>(S) 4-Bromofluorobenzene</i>			95.3	77.0-126	
<i>(S) 1,2-Dichloroethane-d4</i>			106	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3919508-3 05/01/23 09:11

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.0941	0.314
Dichlorodifluoromethane	U		0.374	1.25
cis-1,2-Dichloroethene	U		0.126	0.420
trans-1,2-Dichloroethene	U		0.149	0.497
Trichloroethene	U		0.190	0.633
Vinyl chloride	U		0.234	0.780
(S) Toluene-d8	110			80.0-120
(S) 4-Bromofluorobenzene	97.2			77.0-126
(S) 1,2-Dichloroethane-d4	107			70.0-130

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

(LCS) R3919508-1 05/01/23 08:09 • (LCSD) R3919508-2 05/01/23 08:29

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Benzene	5.00	4.86	4.84	97.2	96.8	70.0-123			0.412	20
Dichlorodifluoromethane	5.00	5.15	4.91	103	98.2	51.0-149			4.77	20
cis-1,2-Dichloroethene	5.00	4.60	4.82	92.0	96.4	73.0-120			4.67	20
trans-1,2-Dichloroethene	5.00	4.85	5.23	97.0	105	73.0-120			7.54	20
Trichloroethene	5.00	5.17	4.83	103	96.6	78.0-124			6.80	20
Vinyl chloride	5.00	4.78	4.71	95.6	94.2	67.0-131			1.48	20
(S) Toluene-d8				108	109	80.0-120				
(S) 4-Bromofluorobenzene				95.2	98.1	77.0-126				
(S) 1,2-Dichloroethane-d4				109	109	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3919551-5 05/01/23 14:30

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Trichloroethene	U		0.190	0.633
Vinyl chloride	U		0.234	0.780
(S) Toluene-d8	104			80.0-120
(S) 4-Bromofluorobenzene	104			77.0-126
(S) 1,2-Dichloroethane-d4	92.2			70.0-130

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

(LCS) R3919551-1 05/01/23 12:45 • (LCSD) R3919551-2 05/01/23 13:06

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Trichloroethene	5.00	5.13	5.59	103	112	78.0-124			8.58	20
Vinyl chloride	5.00	5.43	5.61	109	112	67.0-131			3.26	20
(S) Toluene-d8				100	100	80.0-120				
(S) 4-Bromofluorobenzene				102	103	77.0-126				
(S) 1,2-Dichloroethane-d4				92.7	94.1	70.0-130				

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>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.
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.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
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.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# ACCREDITATIONS & LOCATIONS

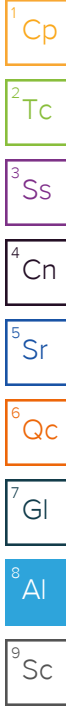
## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	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 <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	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 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.



Company Name/Address:  
**EMC - Evansville, IN**  
 825 N Capitol Avenue  
 Indianapolis, IN 46204

Billing Information:  
 Attn: Accounts Payable  
 427 Main St.  
 Evansville, IN 47708

Analysis / Container / Preservative  
 Pres Chk

Chain of Custody Page 1 of 2  
  
 PEOPLE ADVANCING SCIENCE

Report to:  
**Nicolette Morris**

Email To:  
 nmorris@enviroforensics.com; rspowell@enviro

Project Description:  
**Jagemann Plating**

City/State Collected: **Manitowoc, WI**

Please Circle:  
 PT MT **CT** ET

Phone: **812-272-4480**

Client Project #  
**2023-0103**

Lab Project #  
**ENVFORIIN-20230103**

Collected by (print):  
**Luke Moran**

Site/Facility ID #  
**200032**

P.O. #  
**2023-0103**

Collected by (signature):  
*Luke Moran*  
 Immediately  
 Packed on Ice N    Y X

**Rush?** (Lab MUST Be Notified)  
 \_\_\_ Same Day X Five Day  
 \_\_\_ Next Day \_\_\_ 5 Day (Rad Only)  
 \_\_\_ Two Day \_\_\_ 10 Day (Rad Only)  
 \_\_\_ Three Day

Quote #  
 Date Results Needed

RSK175 40mlAmb HCl  
 TOC 250mlAmb-HCl by SM 5310C  
 V8260 40mlAmb-HCl

**MT JULIET, TN**  
 12065 Lebanon Rd Mount Juliet, TN 37122  
 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>

SDG # **L1608438**  
**G131**

Acctnum: **ENVFORIIN**  
 Template: **T228262**  
 Prelogin: **P992655**  
 PM: **134 - Mark W. Beasley**  
 PB: **BF 4/12/23**

Shipped Via: **FedEX Ground**  
 Remarks Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs												
200032-MW-1	Grab	GW	3.5-13.5	4/20/23	0835	6	✓	✓	✓									- 01
200032-MW-3	Grab	GW	3-13	4/20/23	0931	5	✓		✓									- 02
200032-MW-8	Grab	GW	3.5-13.5	4/20/23	1009	5	✓		✓									- 03
200032-MW-14	Grab	GW	3-13	4/20/23	1049	6	✓	✓	✓									- 04
200032-MW-15	Grab	GW	2.5-12.5	4/20/23	1124	5	✓		✓									- 05
200032-TW-20	Grab	GW	2-12	4/21/23	0915	6	✓	✓	✓									- 06
200032-TW-21	Grab	GW	1.5-11.5	4/20/23	1327	6	✓	✓	✓									- 07
200032-TW-22	Grab	GW	2-12	4/20/23	1458	5	✓		✓									- 08
200032-TW-23	Grab	GW	1.55-11.55	4/20/23	1611	5	✓		✓									- 09
200032-TW-24	Grab	GW	1.45-11.45	4/20/23	1649	5	✓		✓									- 10

\* Matrix:  
 SS - Soil AIR - Air F - Filter  
 GW - Groundwater B - Bioassay  
 WW - WasteWater  
 DW - Drinking Water  
 OT - Other \_\_\_\_\_

Remarks:  
 Samples returned via:  
 \_\_\_ UPS \_\_\_ FedEx \_\_\_ Courier \_\_\_\_\_  
 Tracking # **6337 2243 2535**

**Sample Receipt Checklist**  
 COC Seal Present/Intact:  Y  N  
 COC Signed/Accurate:  Y  N  
 Bottles arrive intact:  Y  N  
 Correct bottles used:  Y  N  
 Sufficient volume sent:  Y  N  
**If Applicable**  
 VOA Zero Headspace:  Y  N  
 Preservation Correct/Checked:  Y  N  
 RAD Screen <0.5 mR/hr:  Y  N

Relinquished by: (Signature)  
*Luke Moran*

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: (Signature)  
 \_\_\_\_\_

Trip Blank Received:  Yes  No  
 HCl / MeOH  
 TBR

Relinquished by: (Signature)  
 \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: (Signature)  
 \_\_\_\_\_

Temp: **15.6** °C  
**5.710-5.7**  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_

Bottles Received: **66**  
 If preservation required by Login: Date/Time

Relinquished by: (Signature)  
 \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received for lab by: (Signature)  
*[Signature]* **(14)**

Date: **4/22/23** Time: **900**

Hold: \_\_\_\_\_ Condition: **(NCF) / OK**

Company Name/Address:  
**EMC - Evansville, IN**  
 825 N Capitol Avenue  
 Indianapolis, IN 46204

Billing Information:  
 Attn: Accounts Payable  
 427 Main St.  
 Evansville, IN 47708

Analysis / Container / Preservative									



**MT JULIET, TN**  
 12065 Lebanon Rd Mount Juliet, TN 37122  
 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:  
**Nicolette Morris**

Email To:  
 nmorris@enviroforensics.com; rspowell@enviro

Project Description:  
**Jagemann Plating**

City/State Collected:  
**Manitowoc, WI**

Please Circle:  
 PT MT **ET**

Phone: **812-272-4480**

Client Project #  
**2023-0103**

Lab Project #  
**ENVFORIIN-20230103**

Collected by (print):  
**Luke Moran**

Site/Facility ID #  
**200032**

P.O. #  
**2023-0103**

Collected by (signature):  
*Luke Moran*  
 Immediately  
 Packed on Ice N    Y X

**Rush?** (Lab MUST Be Notified)  
 Same Day  Five Day  
 Next Day  5 Day (Rad Only)  
 Two Day  10 Day (Rad Only)  
 Three Day

Quote #  
 Date Results Needed

RSK175 40mlAmb-HCl	TOC 250mlAmb-HCl	V8260 40mlAmb-HCl																					

SDG # **L1608438**  
 Table #  
 Acctnum: **ENVFORIIN**  
 Template: **T228262**  
 Prelogin: **P992655**  
 PM: **134 - Mark W. Beasley**  
 PB: **BF 4/12/23**  
 Shipped Via: **FedEX Ground**

Remarks	Sample # (lab only)
	<b>11</b>
	<b>12</b>
	<b>13</b>
	<b>14</b>
	<b>15</b>

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
200032-SUMP-1	Grab	GW	—	4/21/23	0950	3
200032-SUMP-2	Grab	GW	—	4/21/23	0940	3
200032-DUP-1	Grab	GW	—	—	—	3
200032-DUP-2	Grab	GW	—	—	—	3
TRIP BLANK	—	GW	—	—	—	3
		GW				3
		GW				3
		GW				3
		GW				3
		GW				3

\* Matrix:  
 SS - Soil AIR - Air F - Filter  
 GW - Groundwater B - Bioassay  
 WW - WasteWater  
 DW - Drinking Water  
 OT - Other \_\_\_\_\_

Remarks:  
 pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:  
 UPS  FedEx  Courier \_\_\_\_\_

Tracking # \_\_\_\_\_

Sample Receipt Checklist	
COC Seal Present/Intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
COC Signed/Accurate:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Bottles arrive intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Correct bottles used:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Sufficient volume sent:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
If Applicable	
VOA Zero Headspace:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Preservation Correct/Checked:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Relinquished by: (Signature)  
*Luke Moran*

Relinquished by: (Signature)  
 \_\_\_\_\_

Relinquished by: (Signature)  
 \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: (Signature)  
 \_\_\_\_\_

Received by: (Signature)  
 \_\_\_\_\_

Received for lab by: (Signature)  
*MW*

Trip Blank Received:  Yes /  No  
 HGL / MeoH  
 TBR

Temp: **13.6°C**  
**5.740-5.7**

Date: **4/23/23** Time: **9:00**

Bottles Received: **66**

If preservation required by Login: Date/Time

Hold: \_\_\_\_\_

Condition: **(NCF) / OK**

Time estimate: oh

Time spent: oh

Grouping date: 23 April 2023

Members

Robert Rountree (responsible)

- Parameter(s) past holding time
- Temperature not in range
- Improper container type
- pH not in range
- Insufficient sample volume
- Sample is biphasic
- Vials received with headspace
- Broken container
- Sufficient sample remains
- If broken container: Insufficient packing material around container
- If broken container: Insufficient packing material inside cooler
- If broken container: Improper handling by carrier: \_\_\_\_\_
- If broken container: Sample was frozen
- If broken container: Container lid not intact
- Client informed by Call
- Client informed by Email
- Client informed by Voicemail
- Date/Time: \_\_\_\_\_
- PM initials: \_\_\_\_\_
- Client Contact: \_\_\_\_\_

Comments

*Robert Rountree* *23 April 2023 3:03 AM*  
One of trip blanks in cooler received broken, other vial remains.