

CTEH - ER

Sample Delivery Group: L1704438
Samples Received: 02/10/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0207MC001 L1704438-01 Air

				Collected by DA	Collected date/time 02/07/24 22:30	Received date/time 02/10/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2224184	1	02/11/24 12:15	02/11/24 12:15	MNP	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

MTWA0207MC002 L1704438-02 Air

				Collected by DA	Collected date/time 02/07/24 22:48	Received date/time 02/10/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2224184	1	02/11/24 13:01	02/11/24 13:01	MNP	Mt. Juliet, TN

MTWA0207MC003 L1704438-03 Air

				Collected by DA	Collected date/time 02/07/24 23:06	Received date/time 02/10/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2224184	1	02/11/24 13:48	02/11/24 13:48	MNP	Mt. Juliet, TN

MTWA0207MC004 L1704438-04 Air

				Collected by DA	Collected date/time 02/07/24 23:22	Received date/time 02/10/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2224184	1	02/11/24 14:35	02/11/24 14:35	MNP	Mt. Juliet, TN

MTWA0207MC001B L1704438-05 Air

				Collected by DA	Collected date/time 02/08/24 16:40	Received date/time 02/10/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2224184	1	02/11/24 15:55	02/11/24 15:55	MNP	Mt. Juliet, TN

MTWA0207MC002B L1704438-06 Air

				Collected by DA	Collected date/time 02/08/24 16:52	Received date/time 02/10/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2224184	1	02/11/24 16:41	02/11/24 16:41	MNP	Mt. Juliet, TN

MTWA0207MC003B L1704438-07 Air

				Collected by DA	Collected date/time 02/08/24 17:03	Received date/time 02/10/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2224184	1	02/11/24 17:28	02/11/24 17:28	MNP	Mt. Juliet, TN

MTWA0207MC004B L1704438-08 Air

				Collected by DA	Collected date/time 02/08/24 17:12	Received date/time 02/10/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2224184	1	02/11/24 18:14	02/11/24 18:14	MNP	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilutio n	Batch
MTWA0207MC001	L1704438-01	Acetone	67-64-1	58.10	1.25	2.97	2.77	6.58		1	WG2224184
MTWA0207MC001	L1704438-01	Benzene	71-43-2	78.10	0.200	0.639	0.227	0.725		1	WG2224184
MTWA0207MC001	L1704438-01	Butane	106-97-8	58	0.200	0.474	1.14	2.70		1	WG2224184
MTWA0207MC001	L1704438-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.581	1.20		1	WG2224184
MTWA0207MC001	L1704438-01	Ethanol	64-17-5	46.10	2.50	4.71	38.7	73.0		1	WG2224184
MTWA0207MC001	L1704438-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.268	1.51		1	WG2224184
MTWA0207MC001	L1704438-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.264	1.31		1	WG2224184
MTWA0207MC001	L1704438-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.251	0.872		1	WG2224184
MTWA0207MC001	L1704438-01	Pentane	109-66-0	72.15	0.200	0.590	0.460	1.36		1	WG2224184
MTWA0207MC001	L1704438-01	2-Propanol	67-63-0	60.10	1.25	3.07	1.46	3.59		1	WG2224184
MTWA0207MC002	L1704438-02	Acetone	67-64-1	58.10	1.25	2.97	2.44	5.80		1	WG2224184
MTWA0207MC002	L1704438-02	Butane	106-97-8	58	0.200	0.474	0.958	2.27		1	WG2224184
MTWA0207MC002	L1704438-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.597	1.23		1	WG2224184
MTWA0207MC002	L1704438-02	Ethanol	64-17-5	46.10	2.50	4.71	23.0	43.4		1	WG2224184
MTWA0207MC002	L1704438-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.250	1.40		1	WG2224184
MTWA0207MC002	L1704438-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.273	1.35		1	WG2224184
MTWA0207MC002	L1704438-02	Pentane	109-66-0	72.15	0.200	0.590	0.402	1.19		1	WG2224184
MTWA0207MC002	L1704438-02	2-Propanol	67-63-0	60.10	1.25	3.07	1.30	3.20		1	WG2224184
MTWA0207MC003	L1704438-03	Acetone	67-64-1	58.10	1.25	2.97	4.71	11.2		1	WG2224184
MTWA0207MC003	L1704438-03	Acetonitrile	75-05-8	41.05	5.00	8.39	14.7	24.7		1	WG2224184
MTWA0207MC003	L1704438-03	Butane	106-97-8	58	0.200	0.474	1.36	3.23		1	WG2224184
MTWA0207MC003	L1704438-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.601	1.24		1	WG2224184
MTWA0207MC003	L1704438-03	Ethanol	64-17-5	46.10	2.50	4.71	80.8	152		1	WG2224184
MTWA0207MC003	L1704438-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.242	1.36		1	WG2224184
MTWA0207MC003	L1704438-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.340	1.68		1	WG2224184
MTWA0207MC003	L1704438-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.348	1.21		1	WG2224184
MTWA0207MC003	L1704438-03	Pentane	109-66-0	72.15	0.200	0.590	4.64	13.7		1	WG2224184
MTWA0207MC003	L1704438-03	2-Propanol	67-63-0	60.10	1.25	3.07	5.46	13.4		1	WG2224184
MTWA0207MC004	L1704438-04	Acetone	67-64-1	58.10	1.25	2.97	3.36	7.98		1	WG2224184
MTWA0207MC004	L1704438-04	Benzene	71-43-2	78.10	0.200	0.639	0.204	0.652		1	WG2224184
MTWA0207MC004	L1704438-04	Butane	106-97-8	58	0.200	0.474	1.04	2.47		1	WG2224184
MTWA0207MC004	L1704438-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.557	1.15		1	WG2224184
MTWA0207MC004	L1704438-04	Ethanol	64-17-5	46.10	2.50	4.71	24.1	45.4		1	WG2224184
MTWA0207MC004	L1704438-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.228	1.28		1	WG2224184
MTWA0207MC004	L1704438-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.261	1.29		1	WG2224184
MTWA0207MC004	L1704438-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.207	0.719		1	WG2224184
MTWA0207MC004	L1704438-04	Pentane	109-66-0	72.15	0.200	0.590	0.423	1.25		1	WG2224184
MTWA0207MC001B	L1704438-05	Acetone	67-64-1	58.10	1.25	2.97	2.28	5.42		1	WG2224184
MTWA0207MC001B	L1704438-05	Butane	106-97-8	58	0.200	0.474	1.08	2.56		1	WG2224184
MTWA0207MC001B	L1704438-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.520	1.07		1	WG2224184
MTWA0207MC001B	L1704438-05	Ethanol	64-17-5	46.10	2.50	4.71	46.1	86.9		1	WG2224184
MTWA0207MC001B	L1704438-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.237	1.33		1	WG2224184
MTWA0207MC001B	L1704438-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.262	1.30		1	WG2224184
MTWA0207MC001B	L1704438-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.222	0.771		1	WG2224184
MTWA0207MC001B	L1704438-05	Pentane	109-66-0	72.15	0.200	0.590	0.401	1.18		1	WG2224184
MTWA0207MC002B	L1704438-06	Acetone	67-64-1	58.10	1.25	2.97	3.64	8.65		1	WG2224184
MTWA0207MC002B	L1704438-06	Benzene	71-43-2	78.10	0.200	0.639	0.237	0.757		1	WG2224184
MTWA0207MC002B	L1704438-06	Butane	106-97-8	58	0.200	0.474	0.888	2.11		1	WG2224184
MTWA0207MC002B	L1704438-06	Chloromethane	74-87-3	50.50	0.200	0.413	0.624	1.29		1	WG2224184
MTWA0207MC002B	L1704438-06	Ethanol	64-17-5	46.10	2.50	4.71	29.3	55.2		1	WG2224184
MTWA0207MC002B	L1704438-06	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.226	1.27		1	WG2224184
MTWA0207MC002B	L1704438-06	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.267	1.32		1	WG2224184
MTWA0207MC002B	L1704438-06	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.210	0.729		1	WG2224184
MTWA0207MC002B	L1704438-06	Pentane	109-66-0	72.15	0.200	0.590	0.609	1.80		1	WG2224184



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilutio n	Batch
MTWA0207MC003B	L1704438-07	Acetone	67-64-1	58.10	1.25	2.97	2.23	5.30		1	WG2224184
MTWA0207MC003B	L1704438-07	Benzene	71-43-2	78.10	0.200	0.639	0.230	0.735		1	WG2224184
MTWA0207MC003B	L1704438-07	Butane	106-97-8	58	0.200	0.474	1.04	2.47		1	WG2224184
MTWA0207MC003B	L1704438-07	Chloroethane	75-00-3	64.50	0.200	0.528	0.424	1.12		1	WG2224184
MTWA0207MC003B	L1704438-07	Chloromethane	74-87-3	50.50	0.200	0.413	0.630	1.30		1	WG2224184
MTWA0207MC003B	L1704438-07	Ethanol	64-17-5	46.10	2.50	4.71	25.0	47.1		1	WG2224184
MTWA0207MC003B	L1704438-07	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.236	1.33		1	WG2224184
MTWA0207MC003B	L1704438-07	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.282	1.39		1	WG2224184
MTWA0207MC003B	L1704438-07	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.269	0.934		1	WG2224184
MTWA0207MC003B	L1704438-07	Pentane	109-66-0	72.15	0.200	0.590	0.617	1.82		1	WG2224184
MTWA0207MC004B	L1704438-08	Acetone	67-64-1	58.10	1.25	2.97	5.84	13.9		1	WG2224184
MTWA0207MC004B	L1704438-08	Benzene	71-43-2	78.10	0.200	0.639	0.380	1.21		1	WG2224184
MTWA0207MC004B	L1704438-08	Butane	106-97-8	58	0.200	0.474	0.984	2.33		1	WG2224184
MTWA0207MC004B	L1704438-08	Chloroethane	75-00-3	64.50	0.200	0.528	0.682	1.80		1	WG2224184
MTWA0207MC004B	L1704438-08	Chloromethane	74-87-3	50.50	0.200	0.413	0.651	1.34		1	WG2224184
MTWA0207MC004B	L1704438-08	Ethanol	64-17-5	46.10	2.50	4.71	33.9	63.9		1	WG2224184
MTWA0207MC004B	L1704438-08	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.223	1.25		1	WG2224184
MTWA0207MC004B	L1704438-08	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.227	1.12		1	WG2224184
MTWA0207MC004B	L1704438-08	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.324	1.13		1	WG2224184
MTWA0207MC004B	L1704438-08	Pentane	109-66-0	72.15	0.200	0.590	0.439	1.30		1	WG2224184

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	1.25	2.97	2.77	6.58		1	WG2224184
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2224184
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2224184
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2224184
Benzene	71-43-2	78.10	0.200	0.639	0.227	0.725		1	WG2224184
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2224184
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2224184
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2224184
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2224184
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2224184
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2224184
Butane	106-97-8	58	0.200	0.474	1.14	2.70		1	WG2224184
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2224184
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2224184
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2224184
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2224184
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2224184
Chloromethane	74-87-3	50.50	0.200	0.413	0.581	1.20		1	WG2224184
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2224184
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2224184
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2224184
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2224184
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2224184
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2224184
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2224184
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2224184
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2224184
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2224184
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2224184
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2224184
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2224184
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2224184
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2224184
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2224184
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2224184
Ethanol	64-17-5	46.10	2.50	4.71	38.7	73.0		1	WG2224184
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2224184
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2224184
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.268	1.51		1	WG2224184
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.264	1.31		1	WG2224184
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2224184
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2224184
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2224184
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2224184
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2224184
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2224184
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.251	0.872		1	WG2224184
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2224184
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2224184
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2224184
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2224184
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2224184
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2224184
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2224184
Pentane	109-66-0	72.15	0.200	0.590	0.460	1.36		1	WG2224184
2-Propanol	67-63-0	60.10	1.25	3.07	1.46	3.59		1	WG2224184

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2224184
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2224184
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2224184
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2224184
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2224184
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2224184
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2224184
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2224184
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2224184
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2224184
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2224184
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2224184
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2224184
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2224184
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2224184
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2224184
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2224184
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2224184
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.0				WG2224184

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.44	5.80		1	WG2224184
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2224184
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2224184
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2224184
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2224184
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2224184
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2224184
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2224184
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2224184
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2224184
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2224184
Butane	106-97-8	58	0.200	0.474	0.958	2.27		1	WG2224184
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2224184
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2224184
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2224184
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2224184
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2224184
Chloromethane	74-87-3	50.50	0.200	0.413	0.597	1.23		1	WG2224184
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2224184
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2224184
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2224184
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2224184
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2224184
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2224184
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2224184
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2224184
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2224184
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2224184
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2224184
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2224184
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2224184
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2224184
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2224184
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2224184
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2224184
Ethanol	64-17-5	46.10	2.50	4.71	23.0	43.4		1	WG2224184
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2224184
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2224184
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.250	1.40		1	WG2224184
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.273	1.35		1	WG2224184
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2224184
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2224184
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2224184
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2224184
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2224184
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2224184
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2224184
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2224184
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2224184
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2224184
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2224184
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2224184
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2224184
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2224184
Pentane	109-66-0	72.15	0.200	0.590	0.402	1.19		1	WG2224184
2-Propanol	67-63-0	60.10	1.25	3.07	1.30	3.20		1	WG2224184

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2224184
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2224184
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2224184
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2224184
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2224184
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2224184
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2224184
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2224184
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2224184
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2224184
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2224184
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2224184
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2224184
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2224184
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2224184
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2224184
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2224184
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2224184
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				WG2224184

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.71	11.2		1	WG2224184
Acetonitrile	75-05-8	41.05	5.00	8.39	14.7	24.7		1	WG2224184
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2224184
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2224184
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2224184
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2224184
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2224184
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2224184
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2224184
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2224184
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2224184
Butane	106-97-8	58	0.200	0.474	1.36	3.23		1	WG2224184
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2224184
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2224184
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2224184
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2224184
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2224184
Chloromethane	74-87-3	50.50	0.200	0.413	0.601	1.24		1	WG2224184
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2224184
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2224184
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2224184
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2224184
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2224184
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2224184
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2224184
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2224184
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2224184
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2224184
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2224184
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2224184
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2224184
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2224184
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2224184
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2224184
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2224184
Ethanol	64-17-5	46.10	2.50	4.71	80.8	152		1	WG2224184
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2224184
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2224184
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.242	1.36		1	WG2224184
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.340	1.68		1	WG2224184
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2224184
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2224184
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2224184
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2224184
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2224184
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2224184
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.348	1.21		1	WG2224184
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2224184
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2224184
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2224184
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2224184
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2224184
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2224184
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2224184
Pentane	109-66-0	72.15	0.200	0.590	4.64	13.7		1	WG2224184
2-Propanol	67-63-0	60.10	1.25	3.07	5.46	13.4		1	WG2224184

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2224184
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2224184
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2224184
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2224184
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2224184
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2224184
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2224184
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2224184
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2224184
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2224184
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2224184
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2224184
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2224184
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2224184
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2224184
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2224184
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2224184
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2224184
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				WG2224184

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.36	7.98		1	WG2224184
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2224184
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2224184
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2224184
Benzene	71-43-2	78.10	0.200	0.639	0.204	0.652		1	WG2224184
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2224184
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2224184
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2224184
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2224184
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2224184
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2224184
Butane	106-97-8	58	0.200	0.474	1.04	2.47		1	WG2224184
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2224184
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2224184
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2224184
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2224184
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2224184
Chloromethane	74-87-3	50.50	0.200	0.413	0.557	1.15		1	WG2224184
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2224184
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2224184
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2224184
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2224184
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2224184
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2224184
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2224184
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2224184
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2224184
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2224184
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2224184
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2224184
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2224184
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2224184
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2224184
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2224184
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2224184
Ethanol	64-17-5	46.10	2.50	4.71	24.1	45.4		1	WG2224184
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2224184
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2224184
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.228	1.28		1	WG2224184
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.261	1.29		1	WG2224184
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2224184
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2224184
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2224184
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2224184
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2224184
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2224184
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.207	0.719		1	WG2224184
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2224184
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2224184
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2224184
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2224184
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2224184
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2224184
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2224184
Pentane	109-66-0	72.15	0.200	0.590	0.423	1.25		1	WG2224184
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2224184

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2224184
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2224184
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2224184
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2224184
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2224184
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2224184
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2224184
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2224184
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2224184
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2224184
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2224184
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2224184
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2224184
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2224184
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2224184
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2224184
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2224184
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2224184
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				WG2224184

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.28	5.42		1	WG2224184
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2224184
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2224184
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2224184
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2224184
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2224184
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2224184
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2224184
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2224184
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2224184
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2224184
Butane	106-97-8	58	0.200	0.474	1.08	2.56		1	WG2224184
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2224184
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2224184
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2224184
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2224184
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2224184
Chloromethane	74-87-3	50.50	0.200	0.413	0.520	1.07		1	WG2224184
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2224184
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2224184
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2224184
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2224184
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2224184
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2224184
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2224184
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2224184
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2224184
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2224184
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2224184
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2224184
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2224184
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2224184
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2224184
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2224184
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2224184
Ethanol	64-17-5	46.10	2.50	4.71	46.1	86.9		1	WG2224184
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2224184
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2224184
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.237	1.33		1	WG2224184
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.262	1.30		1	WG2224184
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2224184
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2224184
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2224184
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2224184
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2224184
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2224184
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.222	0.771		1	WG2224184
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2224184
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2224184
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2224184
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2224184
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2224184
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2224184
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2224184
Pentane	109-66-0	72.15	0.200	0.590	0.401	1.18		1	WG2224184
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2224184

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2224184
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2224184
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2224184
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2224184
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2224184
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2224184
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2224184
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2224184
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2224184
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2224184
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2224184
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2224184
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2224184
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2224184
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2224184
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2224184
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2224184
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2224184
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG2224184

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.64	8.65		1	WG2224184
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2224184
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2224184
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2224184
Benzene	71-43-2	78.10	0.200	0.639	0.237	0.757		1	WG2224184
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2224184
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2224184
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2224184
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2224184
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2224184
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2224184
Butane	106-97-8	58	0.200	0.474	0.888	2.11		1	WG2224184
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2224184
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2224184
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2224184
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2224184
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2224184
Chloromethane	74-87-3	50.50	0.200	0.413	0.624	1.29		1	WG2224184
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2224184
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2224184
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2224184
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2224184
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2224184
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2224184
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2224184
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2224184
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2224184
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2224184
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2224184
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2224184
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2224184
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2224184
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2224184
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2224184
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2224184
Ethanol	64-17-5	46.10	2.50	4.71	29.3	55.2		1	WG2224184
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2224184
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2224184
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.226	1.27		1	WG2224184
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.267	1.32		1	WG2224184
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2224184
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2224184
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2224184
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2224184
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2224184
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2224184
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.210	0.729		1	WG2224184
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2224184
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2224184
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2224184
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2224184
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2224184
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2224184
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2224184
Pentane	109-66-0	72.15	0.200	0.590	0.609	1.80		1	WG2224184
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2224184

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2224184
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2224184
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2224184
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2224184
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2224184
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2224184
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2224184
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2224184
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2224184
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2224184
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2224184
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2224184
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2224184
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2224184
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2224184
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2224184
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2224184
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2224184
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG2224184

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	1.25	2.97	2.23	5.30		1	WG2224184
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2224184
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2224184
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2224184
Benzene	71-43-2	78.10	0.200	0.639	0.230	0.735		1	WG2224184
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2224184
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2224184
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2224184
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2224184
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2224184
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2224184
Butane	106-97-8	58	0.200	0.474	1.04	2.47		1	WG2224184
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2224184
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2224184
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2224184
Chloroethane	75-00-3	64.50	0.200	0.528	0.424	1.12		1	WG2224184
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2224184
Chloromethane	74-87-3	50.50	0.200	0.413	0.630	1.30		1	WG2224184
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2224184
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2224184
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2224184
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2224184
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2224184
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2224184
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2224184
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2224184
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2224184
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2224184
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2224184
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2224184
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2224184
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2224184
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2224184
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2224184
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2224184
Ethanol	64-17-5	46.10	2.50	4.71	25.0	47.1		1	WG2224184
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2224184
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2224184
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.236	1.33		1	WG2224184
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.282	1.39		1	WG2224184
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2224184
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2224184
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2224184
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2224184
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2224184
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2224184
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.269	0.934		1	WG2224184
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2224184
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2224184
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2224184
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2224184
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2224184
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2224184
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2224184
Pentane	109-66-0	72.15	0.200	0.590	0.617	1.82		1	WG2224184
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2224184

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2224184
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2224184
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2224184
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2224184
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2224184
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2224184
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2224184
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2224184
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2224184
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2224184
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2224184
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2224184
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2224184
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2224184
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2224184
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2224184
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2224184
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2224184
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				WG2224184

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.84	13.9		1	WG2224184
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2224184
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2224184
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2224184
Benzene	71-43-2	78.10	0.200	0.639	0.380	1.21		1	WG2224184
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2224184
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2224184
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2224184
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2224184
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2224184
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2224184
Butane	106-97-8	58	0.200	0.474	0.984	2.33		1	WG2224184
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2224184
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2224184
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2224184
Chloroethane	75-00-3	64.50	0.200	0.528	0.682	1.80		1	WG2224184
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2224184
Chloromethane	74-87-3	50.50	0.200	0.413	0.651	1.34		1	WG2224184
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2224184
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2224184
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2224184
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2224184
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2224184
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2224184
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2224184
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2224184
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2224184
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2224184
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2224184
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2224184
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2224184
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2224184
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2224184
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2224184
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2224184
Ethanol	64-17-5	46.10	2.50	4.71	33.9	63.9		1	WG2224184
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2224184
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2224184
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.223	1.25		1	WG2224184
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.227	1.12		1	WG2224184
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2224184
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2224184
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2224184
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2224184
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2224184
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2224184
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.324	1.13		1	WG2224184
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2224184
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2224184
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2224184
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2224184
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2224184
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2224184
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2224184
Pentane	109-66-0	72.15	0.200	0.590	0.439	1.30		1	WG2224184
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2224184

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2224184
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2224184
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2224184
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2224184
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2224184
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2224184
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2224184
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2224184
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2224184
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2224184
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2224184
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2224184
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2224184
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2224184
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2224184
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2224184
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2224184
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2224184
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG2224184

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4032446-3 02/11/24 10:58

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4032446-3 02/11/24 10:58

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	99.3			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4032446-1 02/11/24 09:23 • (LCSD) R4032446-2 02/11/24 10:12

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.92	4.10	105	109	70.0-130			4.49	25
Acetonitrile	18.8	21.8	21.9	116	116	70.0-130			0.458	25
Acrylonitrile	3.75	4.19	4.26	112	114	70.0-130			1.66	25
Allyl chloride	3.75	4.18	4.20	111	112	70.0-130			0.477	25
Benzene	3.75	4.10	4.08	109	109	70.0-130			0.489	25
Benzyl Chloride	3.75	3.90	3.99	104	106	70.0-152			2.28	25
Bromodichloromethane	3.75	4.32	4.15	115	111	70.0-130			4.01	25
Bromoform	3.75	3.88	3.99	103	106	70.0-130			2.80	25
Bromomethane	3.75	3.84	3.91	102	104	70.0-130			1.81	25
Bromoethane	3.75	3.92	3.96	105	106	70.0-130			1.02	25
1,3-Butadiene	3.75	3.95	4.03	105	107	70.0-130			2.01	25
Butane	3.75	4.25	4.34	113	116	70.0-130			2.10	25
Carbon disulfide	3.75	3.96	4.06	106	108	70.0-130			2.49	25
Carbon tetrachloride	3.75	4.20	4.22	112	113	70.0-130			0.475	25
Chlorobenzene	3.75	4.15	3.98	111	106	70.0-130			4.18	25
Chloroethane	3.75	4.19	4.15	112	111	70.0-130			0.959	25
Chloroform	3.75	4.21	4.12	112	110	70.0-130			2.16	25
Chloromethane	3.75	4.13	4.15	110	111	70.0-130			0.483	25
2-Chlorotoluene	3.75	4.03	4.11	107	110	70.0-130			1.97	25
Cyclohexane	3.75	4.05	4.06	108	108	70.0-130			0.247	25
n-Decane	3.75	4.29	4.41	114	118	70.0-130			2.76	25
Dibromochloromethane	3.75	4.17	4.08	111	109	70.0-130			2.18	25
1,2-Dibromoethane	3.75	4.07	4.04	109	108	70.0-130			0.740	25
1,2-Dichlorobenzene	3.75	3.96	3.97	106	106	70.0-130			0.252	25
1,3-Dichlorobenzene	3.75	3.85	3.92	103	105	70.0-130			1.80	25
1,4-Dichlorobenzene	3.75	3.88	4.00	103	107	70.0-130			3.05	25
1,2-Dichloroethane	3.75	4.39	4.45	117	119	70.0-130			1.36	25
1,1-Dichloroethane	3.75	4.11	4.20	110	112	70.0-130			2.17	25
1,1-Dichloroethene	3.75	4.12	4.05	110	108	70.0-130			1.71	25
cis-1,2-Dichloroethene	3.75	4.08	4.11	109	110	70.0-130			0.733	25
trans-1,2-Dichloroethene	3.75	4.09	4.15	109	111	70.0-130			1.46	25
1,2-Dichloropropane	3.75	4.16	4.07	111	109	70.0-130			2.19	25
cis-1,3-Dichloropropene	3.75	4.13	4.01	110	107	70.0-130			2.95	25
trans-1,3-Dichloropropene	3.75	4.16	4.17	111	111	70.0-130			0.240	25
1,4-Dioxane	3.75	3.94	3.80	105	101	70.0-140			3.62	25
Ethanol	3.75	4.00	4.42	107	118	55.0-148			9.98	25
Ethylbenzene	3.75	4.10	4.13	109	110	70.0-130			0.729	25
4-Ethyltoluene	3.75	3.99	4.05	106	108	70.0-130			1.49	25
Trichlorofluoromethane	3.75	4.05	4.13	108	110	70.0-130			1.96	25
Dichlorodifluoromethane	3.75	3.57	3.32	95.2	88.5	64.0-139			7.26	25

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4032446-1 02/11/24 09:23 • (LCSD) R4032446-2 02/11/24 10:12

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.89	3.97	104	106	70.0-130			2.04	25
1,2-Dichlorotetrafluoroethane	3.75	4.13	4.10	110	109	70.0-130			0.729	25
Heptane	3.75	4.39	4.35	117	116	70.0-130			0.915	25
Hexachloro-1,3-butadiene	3.75	3.82	3.79	102	101	70.0-151			0.788	25
n-Hexane	3.75	4.08	4.18	109	111	70.0-130			2.42	25
Isopropylbenzene	3.75	4.01	4.05	107	108	70.0-130			0.993	25
Methylene Chloride	3.75	4.13	4.17	110	111	70.0-130			0.964	25
Methyl Butyl Ketone	3.75	4.40	4.28	117	114	70.0-149			2.76	25
2-Butanone (MEK)	3.75	4.30	4.38	115	117	70.0-130			1.84	25
4-Methyl-2-pentanone (MIBK)	3.75	4.39	4.42	117	118	70.0-139			0.681	25
Methyl methacrylate	3.75	3.76	3.80	100	101	70.0-130			1.06	25
MTBE	3.75	4.03	4.07	107	109	70.0-130			0.988	25
Naphthalene	3.75	3.72	3.80	99.2	101	70.0-159			2.13	25
Nonane	3.75	4.18	4.23	111	113	70.0-130			1.19	25
Pentane	3.75	4.00	4.05	107	108	70.0-130			1.24	25
2-Propanol	3.75	4.00	3.98	107	106	70.0-139			0.501	25
Propene	3.75	4.03	4.13	107	110	64.0-144			2.45	25
Styrene	3.75	3.98	4.00	106	107	70.0-130			0.501	25
1,1,2,2-Tetrachloroethane	3.75	3.93	3.90	105	104	70.0-130			0.766	25
Tetrachloroethylene	3.75	4.06	4.01	108	107	70.0-130			1.24	25
Tetrahydrofuran	3.75	4.30	4.41	115	118	70.0-137			2.53	25
Toluene	3.75	4.16	4.07	111	109	70.0-130			2.19	25
1,2,4-Trichlorobenzene	3.75	3.73	3.74	99.5	99.7	70.0-160			0.268	25
1,1,1-Trichloroethane	3.75	4.13	4.11	110	110	70.0-130			0.485	25
1,1,2-Trichloroethane	3.75	4.04	4.09	108	109	70.0-130			1.23	25
Trichloroethylene	3.75	4.13	4.11	110	110	70.0-130			0.485	25
1,2,4-Trimethylbenzene	3.75	4.05	4.07	108	109	70.0-130			0.493	25
1,3,5-Trimethylbenzene	3.75	4.07	4.15	109	111	70.0-130			1.95	25
2,2,4-Trimethylpentane	3.75	4.19	4.19	112	112	70.0-130			0.000	25
Vinyl chloride	3.75	4.03	3.94	107	105	70.0-130			2.26	25
Vinyl Bromide	3.75	3.93	4.00	105	107	70.0-130			1.77	25
Vinyl acetate	3.75	4.31	4.45	115	119	70.0-130			3.20	25
m&p-Xylene	7.50	8.11	8.19	108	109	70.0-130			0.982	25
o-Xylene	3.75	3.98	4.11	106	110	70.0-130			3.21	25
(S) 1,4-Bromofluorobenzene				96.0	98.7	60.0-140				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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





CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

Sample Receipt Checklist
COC Seal Present/Intact: ☒ Y ☐ N Airs _____
COC Signed/Accurate: ☒ Y ☐ N Size: ☒ 1L _____ 6L _____ 1.4L _____
Bottles arrive intact: ☒ Y ☐ N Tag Color: G _____ W _____ P _____ B _____
Correct bottles used: ☒ Y ☐ N Tubing _____ Shunt _____

T/ID: _____

1221

Send Report to ahenault@cteh.com, mreilly@cteh.com
Company CTEH, LLC
Address 5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone (501)801-8500
e-mail labresults@cteh.com
Accounting Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☐ Same Day ☒ Next Day

☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☒

Retain w/ storage fees after 2X hold time ☐

11704438

Lab Contact Information	Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method				Matrix
											TO-15				
	MTWA0207MC001	010261	015432	02/07/24	0440	02/07/24	2230	-28	-8	DA	✓				A -01
	MTWA0207MC002	028071	009474	02/07/24	0500	02/07/24	2248	-28	-8	DA	✓				A -02
	MTWA0207MC003	014079	015638	02/07/24	0520	02/07/24	2306	-28	-8	DA	✓				A -03
	MTWA0207MC004	028026	023516	02/07/24	0539	02/07/24	2322	-28	-8	DA	✓				A -04
	MTWA0207MC001B	011255	023562	02/07/24	2235	02/08/24	1640	-28	-8	DA	✓				A -05
	MTWA0207MC002B	010243	029289	02/07/24	2253	02/08/24	1652	-29	-9	DA	✓				A -06
	MTWA0207MC003B	014153	013564	02/07/24	2312	02/08/24	1703	-29	-7	DA	✓				A -07
	MTWA0207MC004B	029335	015702	02/07/24	2328	02/08/24	1712	-28	-9	DA	✓				A -08

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
<i>Cody Khoades</i>	2/9/24 0840	<i>Brad White</i>	2/9/24 840	
<i>Brad White</i>	2/9/24 1000	<i>Foley</i>	2/9/24 1000	
SDG # MTWA0207MC		<i>W. H.</i>	2/10 0900	

February 14, 2024

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

CTEH - ER

Sample Delivery Group: L1704847
Samples Received: 02/13/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

MTWA0208MC001 L1704847-01 Air

				Collected by DA	Collected date/time 02/09/24 10:50	Received date/time 02/13/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2225241	1	02/13/24 12:39	02/13/24 12:39	MNP	Mt. Juliet, TN

MTWA0208MC002 L1704847-02 Air

				Collected by DA	Collected date/time 02/09/24 11:02	Received date/time 02/13/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2225241	1	02/13/24 13:08	02/13/24 13:08	MNP	Mt. Juliet, TN

MTWA0208MC003 L1704847-03 Air

				Collected by DA	Collected date/time 02/09/24 11:19	Received date/time 02/13/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2225241	1	02/13/24 13:37	02/13/24 13:37	MNP	Mt. Juliet, TN

MTWA0208MC004 L1704847-04 Air

				Collected by DA	Collected date/time 02/09/24 11:26	Received date/time 02/13/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2225241	1	02/13/24 14:06	02/13/24 14:06	MNP	Mt. Juliet, TN



CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2225241	L1704847-02	Ethanol



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA0208MC001	L1704847-01	Acetone	67-64-1	58.10	1.25	2.97	3.37	8.01		1	WG2225241
MTWA0208MC001	L1704847-01	Benzene	71-43-2	78.10	0.200	0.639	0.214	0.684		1	WG2225241
MTWA0208MC001	L1704847-01	Butane	106-97-8	58	0.200	0.474	0.809	1.92		1	WG2225241
MTWA0208MC001	L1704847-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.556	1.15		1	WG2225241
MTWA0208MC001	L1704847-01	Ethanol	64-17-5	46.10	2.50	4.71	12.7	23.9		1	WG2225241
MTWA0208MC001	L1704847-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.264	1.48		1	WG2225241
MTWA0208MC001	L1704847-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.560	2.77		1	WG2225241
MTWA0208MC001	L1704847-01	Pentane	109-66-0	72.15	0.200	0.590	0.279	0.823		1	WG2225241
MTWA0208MC001	L1704847-01	Toluene	108-88-3	92.10	0.500	1.88	1.14	4.29		1	WG2225241
MTWA0208MC002	L1704847-02	Acetone	67-64-1	58.10	1.25	2.97	9.92	23.6		1	WG2225241
MTWA0208MC002	L1704847-02	Acetonitrile	75-05-8	41.05	5.00	8.39	25.0	42.0		1	WG2225241
MTWA0208MC002	L1704847-02	Butane	106-97-8	58	0.200	0.474	5.30	12.6		1	WG2225241
MTWA0208MC002	L1704847-02	Chlorobenzene	108-90-7	113	0.200	0.924	1.44	6.66		1	WG2225241
MTWA0208MC002	L1704847-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.743	1.53		1	WG2225241
MTWA0208MC002	L1704847-02	Ethanol	64-17-5	46.10	2.50	4.71	361	681	E	1	WG2225241
MTWA0208MC002	L1704847-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.269	1.51		1	WG2225241
MTWA0208MC002	L1704847-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.550	2.72		1	WG2225241
MTWA0208MC002	L1704847-02	n-Hexane	110-54-3	86.20	0.630	2.22	1.03	3.63		1	WG2225241
MTWA0208MC002	L1704847-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	12.7	44.1		1	WG2225241
MTWA0208MC002	L1704847-02	Pentane	109-66-0	72.15	0.200	0.590	5.15	15.2		1	WG2225241
MTWA0208MC002	L1704847-02	2-Propanol	67-63-0	60.10	1.25	3.07	39.6	97.3		1	WG2225241
MTWA0208MC002	L1704847-02	Toluene	108-88-3	92.10	0.500	1.88	1.53	5.76		1	WG2225241
MTWA0208MC003	L1704847-03	Acetone	67-64-1	58.10	1.25	2.97	2.24	5.32		1	WG2225241
MTWA0208MC003	L1704847-03	Butane	106-97-8	58	0.200	0.474	1.08	2.56		1	WG2225241
MTWA0208MC003	L1704847-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.521	1.08		1	WG2225241
MTWA0208MC003	L1704847-03	Ethanol	64-17-5	46.10	2.50	4.71	21.6	40.7		1	WG2225241
MTWA0208MC003	L1704847-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.273	1.53		1	WG2225241
MTWA0208MC003	L1704847-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.506	2.50		1	WG2225241
MTWA0208MC003	L1704847-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.833	2.89		1	WG2225241
MTWA0208MC003	L1704847-03	Pentane	109-66-0	72.15	0.200	0.590	0.894	2.64		1	WG2225241
MTWA0208MC003	L1704847-03	2-Propanol	67-63-0	60.10	1.25	3.07	2.57	6.32		1	WG2225241
MTWA0208MC004	L1704847-04	Acetone	67-64-1	58.10	1.25	2.97	3.86	9.17		1	WG2225241
MTWA0208MC004	L1704847-04	Benzene	71-43-2	78.10	0.200	0.639	0.281	0.898		1	WG2225241
MTWA0208MC004	L1704847-04	Butane	106-97-8	58	0.200	0.474	0.789	1.87		1	WG2225241
MTWA0208MC004	L1704847-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.535	1.11		1	WG2225241
MTWA0208MC004	L1704847-04	Ethanol	64-17-5	46.10	2.50	4.71	13.0	24.5		1	WG2225241
MTWA0208MC004	L1704847-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.259	1.46		1	WG2225241
MTWA0208MC004	L1704847-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.594	2.94		1	WG2225241
MTWA0208MC004	L1704847-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.269	0.934		1	WG2225241
MTWA0208MC004	L1704847-04	Pentane	109-66-0	72.15	0.200	0.590	0.244	0.720		1	WG2225241
MTWA0208MC004	L1704847-04	Toluene	108-88-3	92.10	0.500	1.88	1.08	4.07		1	WG2225241

¹ Cp² Tc³ Ss⁴ Cn⁵ Ds⁶ Sr⁷ Qc⁸ Gl⁹ Al¹⁰ Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.37	8.01		1	WG2225241
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2225241
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2225241
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2225241
Benzene	71-43-2	78.10	0.200	0.639	0.214	0.684		1	WG2225241
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2225241
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2225241
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2225241
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2225241
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2225241
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2225241
Butane	106-97-8	58	0.200	0.474	0.809	1.92		1	WG2225241
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2225241
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2225241
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2225241
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2225241
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2225241
Chloromethane	74-87-3	50.50	0.200	0.413	0.556	1.15		1	WG2225241
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2225241
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2225241
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2225241
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2225241
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2225241
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2225241
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2225241
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2225241
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2225241
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2225241
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2225241
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2225241
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2225241
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2225241
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2225241
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2225241
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2225241
Ethanol	64-17-5	46.10	2.50	4.71	12.7	23.9		1	WG2225241
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2225241
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2225241
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.264	1.48		1	WG2225241
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.560	2.77		1	WG2225241
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2225241
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2225241
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2225241
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2225241
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2225241
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2225241
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2225241
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2225241
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2225241
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2225241
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2225241
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2225241
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2225241
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2225241
Pentane	109-66-0	72.15	0.200	0.590	0.279	0.823		1	WG2225241
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2225241

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2225241
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2225241
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2225241
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2225241
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2225241
Toluene	108-88-3	92.10	0.500	1.88	1.14	4.29		1	WG2225241
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2225241
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2225241
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2225241
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2225241
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2225241
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2225241
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2225241
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2225241
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2225241
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2225241
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2225241
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2225241
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.7				WG2225241

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	1.25	2.97	9.92	23.6		1	WG2225241
Acetonitrile	75-05-8	41.05	5.00	8.39	25.0	42.0		1	WG2225241
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2225241
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2225241
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2225241
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2225241
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2225241
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2225241
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2225241
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2225241
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2225241
Butane	106-97-8	58	0.200	0.474	5.30	12.6		1	WG2225241
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2225241
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2225241
Chlorobenzene	108-90-7	113	0.200	0.924	1.44	6.66		1	WG2225241
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2225241
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2225241
Chloromethane	74-87-3	50.50	0.200	0.413	0.743	1.53		1	WG2225241
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2225241
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2225241
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2225241
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2225241
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2225241
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2225241
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2225241
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2225241
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2225241
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2225241
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2225241
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2225241
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2225241
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2225241
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2225241
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2225241
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2225241
Ethanol	64-17-5	46.10	2.50	4.71	361	681	E	1	WG2225241
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2225241
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2225241
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.269	1.51		1	WG2225241
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.550	2.72		1	WG2225241
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2225241
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2225241
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2225241
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2225241
n-Hexane	110-54-3	86.20	0.630	2.22	1.03	3.63		1	WG2225241
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2225241
Methylene Chloride	75-09-2	84.90	0.200	0.694	12.7	44.1		1	WG2225241
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2225241
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2225241
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2225241
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2225241
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2225241
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2225241
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2225241
Pentane	109-66-0	72.15	0.200	0.590	5.15	15.2		1	WG2225241
2-Propanol	67-63-0	60.10	1.25	3.07	39.6	97.3		1	WG2225241

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2225241
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2225241
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2225241
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2225241
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2225241
Toluene	108-88-3	92.10	0.500	1.88	1.53	5.76		1	WG2225241
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2225241
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2225241
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2225241
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2225241
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2225241
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2225241
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2225241
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2225241
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2225241
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2225241
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2225241
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2225241
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.4				WG2225241

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.24	5.32		1	WG2225241
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2225241
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2225241
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2225241
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2225241
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2225241
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2225241
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2225241
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2225241
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2225241
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2225241
Butane	106-97-8	58	0.200	0.474	1.08	2.56		1	WG2225241
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2225241
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2225241
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2225241
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2225241
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2225241
Chloromethane	74-87-3	50.50	0.200	0.413	0.521	1.08		1	WG2225241
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2225241
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2225241
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2225241
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2225241
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2225241
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2225241
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2225241
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2225241
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2225241
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2225241
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2225241
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2225241
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2225241
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2225241
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2225241
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2225241
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2225241
Ethanol	64-17-5	46.10	2.50	4.71	21.6	40.7		1	WG2225241
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2225241
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2225241
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.273	1.53		1	WG2225241
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.506	2.50		1	WG2225241
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2225241
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2225241
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2225241
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2225241
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2225241
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2225241
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.833	2.89		1	WG2225241
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2225241
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2225241
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2225241
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2225241
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2225241
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2225241
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2225241
Pentane	109-66-0	72.15	0.200	0.590	0.894	2.64		1	WG2225241
2-Propanol	67-63-0	60.10	1.25	3.07	2.57	6.32		1	WG2225241

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2225241
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2225241
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2225241
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2225241
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2225241
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2225241
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2225241
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2225241
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2225241
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2225241
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2225241
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2225241
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2225241
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2225241
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2225241
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2225241
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2225241
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2225241
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.9				WG2225241

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.86	9.17		1	WG2225241
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2225241
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2225241
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2225241
Benzene	71-43-2	78.10	0.200	0.639	0.281	0.898		1	WG2225241
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2225241
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2225241
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2225241
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2225241
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2225241
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2225241
Butane	106-97-8	58	0.200	0.474	0.789	1.87		1	WG2225241
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2225241
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2225241
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2225241
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2225241
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2225241
Chloromethane	74-87-3	50.50	0.200	0.413	0.535	1.11		1	WG2225241
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2225241
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2225241
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2225241
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2225241
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2225241
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2225241
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2225241
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2225241
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2225241
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2225241
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2225241
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2225241
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2225241
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2225241
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2225241
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2225241
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2225241
Ethanol	64-17-5	46.10	2.50	4.71	13.0	24.5		1	WG2225241
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2225241
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2225241
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.259	1.46		1	WG2225241
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.594	2.94		1	WG2225241
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2225241
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2225241
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2225241
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2225241
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2225241
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2225241
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.269	0.934		1	WG2225241
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2225241
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2225241
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2225241
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2225241
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2225241
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2225241
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2225241
Pentane	109-66-0	72.15	0.200	0.590	0.244	0.720		1	WG2225241
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2225241

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2225241
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2225241
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2225241
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2225241
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2225241
Toluene	108-88-3	92.10	0.500	1.88	1.08	4.07		1	WG2225241
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2225241
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2225241
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2225241
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2225241
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2225241
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2225241
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2225241
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2225241
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2225241
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2225241
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2225241
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2225241
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.7				WG2225241

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4033161-3 02/13/24 09:46

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4033161-3 02/13/24 09:46

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	98.2			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4033161-1 02/13/24 08:47 • (LCSD) R4033161-2 02/13/24 09:18

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.46	3.43	92.3	91.5	70.0-130			0.871	25
Acetonitrile	18.8	17.8	17.8	94.7	94.7	70.0-130			0.000	25
Acrylonitrile	3.75	3.61	3.79	96.3	101	70.0-130			4.86	25
Allyl chloride	3.75	3.77	3.71	101	98.9	70.0-130			1.60	25
Benzene	3.75	3.83	3.77	102	101	70.0-130			1.58	25
Benzyl Chloride	3.75	3.84	3.77	102	101	70.0-152			1.84	25
Bromodichloromethane	3.75	3.94	3.89	105	104	70.0-130			1.28	25
Bromoform	3.75	4.09	4.02	109	107	70.0-130			1.73	25
Bromomethane	3.75	4.05	3.94	108	105	70.0-130			2.75	25
Bromoethane	3.75	3.97	4.04	106	108	70.0-130			1.75	25
1,3-Butadiene	3.75	3.78	3.73	101	99.5	70.0-130			1.33	25
Butane	3.75	3.84	3.78	102	101	70.0-130			1.57	25
Carbon disulfide	3.75	3.96	3.93	106	105	70.0-130			0.760	25
Carbon tetrachloride	3.75	4.17	4.22	111	113	70.0-130			1.19	25
Chlorobenzene	3.75	4.05	3.94	108	105	70.0-130			2.75	25
Chloroethane	3.75	3.93	3.91	105	104	70.0-130			0.510	25
Chloroform	3.75	4.08	4.02	109	107	70.0-130			1.48	25
Chloromethane	3.75	3.70	3.62	98.7	96.5	70.0-130			2.19	25
2-Chlorotoluene	3.75	4.10	3.90	109	104	70.0-130			5.00	25
Cyclohexane	3.75	3.79	3.82	101	102	70.0-130			0.788	25
n-Decane	3.75	3.80	3.67	101	97.9	70.0-130			3.48	25
Dibromochloromethane	3.75	4.22	4.09	113	109	70.0-130			3.13	25
1,2-Dibromoethane	3.75	3.86	3.86	103	103	70.0-130			0.000	25
1,2-Dichlorobenzene	3.75	4.22	4.18	113	111	70.0-130			0.952	25
1,3-Dichlorobenzene	3.75	4.26	4.15	114	111	70.0-130			2.62	25
1,4-Dichlorobenzene	3.75	4.15	4.09	111	109	70.0-130			1.46	25
1,2-Dichloroethane	3.75	4.22	4.13	113	110	70.0-130			2.16	25
1,1-Dichloroethane	3.75	3.99	3.86	106	103	70.0-130			3.31	25
1,1-Dichloroethene	3.75	3.97	3.89	106	104	70.0-130			2.04	25
cis-1,2-Dichloroethene	3.75	3.77	3.79	101	101	70.0-130			0.529	25
trans-1,2-Dichloroethene	3.75	3.96	3.99	106	106	70.0-130			0.755	25
1,2-Dichloropropane	3.75	3.73	3.50	99.5	93.3	70.0-130			6.36	25
cis-1,3-Dichloropropene	3.75	3.76	3.78	100	101	70.0-130			0.531	25
trans-1,3-Dichloropropene	3.75	4.05	3.83	108	102	70.0-130			5.58	25
1,4-Dioxane	3.75	3.95	3.28	105	87.5	70.0-140			18.5	25
Ethanol	3.75	3.39	3.00	90.4	80.0	55.0-148			12.2	25
Ethylbenzene	3.75	3.98	3.90	106	104	70.0-130			2.03	25
4-Ethyltoluene	3.75	4.28	4.16	114	111	70.0-130			2.84	25
Trichlorofluoromethane	3.75	4.38	4.34	117	116	70.0-130			0.917	25
Dichlorodifluoromethane	3.75	4.30	4.28	115	114	64.0-139			0.466	25

1Cp

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5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4033161-1 02/13/24 08:47 • (LCSD) R4033161-2 02/13/24 09:18

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.19	4.13	112	110	70.0-130			1.44	25
1,2-Dichlorotetrafluoroethane	3.75	4.22	3.98	113	106	70.0-130			5.85	25
Heptane	3.75	3.27	3.28	87.2	87.5	70.0-130			0.305	25
Hexachloro-1,3-butadiene	3.75	4.23	4.20	113	112	70.0-151			0.712	25
n-Hexane	3.75	3.67	3.57	97.9	95.2	70.0-130			2.76	25
Isopropylbenzene	3.75	4.28	4.10	114	109	70.0-130			4.30	25
Methylene Chloride	3.75	3.79	3.61	101	96.3	70.0-130			4.86	25
Methyl Butyl Ketone	3.75	3.74	3.70	99.7	98.7	70.0-149			1.08	25
2-Butanone (MEK)	3.75	3.92	4.26	105	114	70.0-130			8.31	25
4-Methyl-2-pentanone (MIBK)	3.75	3.66	3.71	97.6	98.9	70.0-139			1.36	25
Methyl methacrylate	3.75	3.64	3.64	97.1	97.1	70.0-130			0.000	25
MTBE	3.75	4.16	4.02	111	107	70.0-130			3.42	25
Naphthalene	3.75	4.24	4.10	113	109	70.0-159			3.36	25
Nonane	3.75	3.59	3.60	95.7	96.0	70.0-130			0.278	25
Pentane	3.75	3.50	3.65	93.3	97.3	70.0-130			4.20	25
2-Propanol	3.75	3.50	3.55	93.3	94.7	70.0-139			1.42	25
Propene	3.75	3.63	3.55	96.8	94.7	64.0-144			2.23	25
Styrene	3.75	4.12	4.05	110	108	70.0-130			1.71	25
1,1,2,2-Tetrachloroethane	3.75	3.98	3.77	106	101	70.0-130			5.42	25
Tetrachloroethylene	3.75	4.15	4.06	111	108	70.0-130			2.19	25
Tetrahydrofuran	3.75	3.39	3.25	90.4	86.7	70.0-137			4.22	25
Toluene	3.75	3.84	3.88	102	103	70.0-130			1.04	25
1,2,4-Trichlorobenzene	3.75	4.05	3.94	108	105	70.0-160			2.75	25
1,1,1-Trichloroethane	3.75	4.18	4.03	111	107	70.0-130			3.65	25
1,1,2-Trichloroethane	3.75	3.93	3.77	105	101	70.0-130			4.16	25
Trichloroethylene	3.75	4.02	4.01	107	107	70.0-130			0.249	25
1,2,4-Trimethylbenzene	3.75	4.32	4.17	115	111	70.0-130			3.53	25
1,3,5-Trimethylbenzene	3.75	4.21	4.23	112	113	70.0-130			0.474	25
2,2,4-Trimethylpentane	3.75	3.53	3.59	94.1	95.7	70.0-130			1.69	25
Vinyl chloride	3.75	3.75	3.84	100	102	70.0-130			2.37	25
Vinyl Bromide	3.75	4.02	4.06	107	108	70.0-130			0.990	25
Vinyl acetate	3.75	3.23	3.17	86.1	84.5	70.0-130			1.87	25
m&p-Xylene	7.50	8.46	8.06	113	107	70.0-130			4.84	25
o-Xylene	3.75	4.29	4.09	114	109	70.0-130			4.77	25
(S) 1,4-Bromofluorobenzene				101	100	60.0-140				

¹Cp

²Tc

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⁷Qc

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GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier Description

E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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





A221

Page 1 of 1

February 14, 2024

CTEH - ER

Sample Delivery Group: L1704849
Samples Received: 02/13/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0209MC001 L1704849-01 Air

				Collected by DA	Collected date/time 02/10/24 04:41	Received date/time 02/13/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2225241	1	02/13/24 14:35	02/13/24 14:35	MNP	Mt. Juliet, TN

¹Cp

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MTWA0209MC002 L1704849-02 Air

				Collected by DA	Collected date/time 02/10/24 05:09	Received date/time 02/13/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2225241	1	02/13/24 15:04	02/13/24 15:04	MNP	Mt. Juliet, TN

MTWA0209MC002CL L1704849-03 Air

				Collected by DA	Collected date/time 02/10/24 05:26	Received date/time 02/13/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2225241	1	02/13/24 15:33	02/13/24 15:33	MNP	Mt. Juliet, TN

MTWA0209MC003 L1704849-04 Air

				Collected by DA	Collected date/time 02/10/24 05:41	Received date/time 02/13/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2225241	1	02/13/24 16:01	02/13/24 16:01	MNP	Mt. Juliet, TN

MTWA0209MC004 L1704849-05 Air

				Collected by DA	Collected date/time 02/10/24 05:55	Received date/time 02/13/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2225241	1	02/13/24 16:30	02/13/24 16:30	MNP	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilutio n	Batch
MTWA0209MC001	L1704849-01	Acetone	67-64-1	58.10	1.25	2.97	6.85	16.3		1	WG2225241
MTWA0209MC001	L1704849-01	Benzene	71-43-2	78.10	0.200	0.639	0.426	1.36		1	WG2225241
MTWA0209MC001	L1704849-01	Butane	106-97-8	58	0.200	0.474	0.780	1.85		1	WG2225241
MTWA0209MC001	L1704849-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.766	1.58		1	WG2225241
MTWA0209MC001	L1704849-01	Ethanol	64-17-5	46.10	2.50	4.71	16.0	30.2		1	WG2225241
MTWA0209MC001	L1704849-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.264	1.48		1	WG2225241
MTWA0209MC001	L1704849-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.522	2.58		1	WG2225241
MTWA0209MC001	L1704849-01	Pentane	109-66-0	72.15	0.200	0.590	0.284	0.838		1	WG2225241
MTWA0209MC001	L1704849-01	Toluene	108-88-3	92.10	0.500	1.88	0.727	2.74		1	WG2225241
MTWA0209MC002	L1704849-02	Acetone	67-64-1	58.10	1.25	2.97	3.47	8.25		1	WG2225241
MTWA0209MC002	L1704849-02	Benzene	71-43-2	78.10	0.200	0.639	0.264	0.843		1	WG2225241
MTWA0209MC002	L1704849-02	Butane	106-97-8	58	0.200	0.474	1.47	3.49		1	WG2225241
MTWA0209MC002	L1704849-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.462	0.954		1	WG2225241
MTWA0209MC002	L1704849-02	Ethanol	64-17-5	46.10	2.50	4.71	13.4	25.3		1	WG2225241
MTWA0209MC002	L1704849-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.249	1.40		1	WG2225241
MTWA0209MC002	L1704849-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.522	2.58		1	WG2225241
MTWA0209MC002	L1704849-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.219	0.760		1	WG2225241
MTWA0209MC002	L1704849-02	Pentane	109-66-0	72.15	0.200	0.590	1.63	4.81		1	WG2225241
MTWA0209MC002	L1704849-02	2-Propanol	67-63-0	60.10	1.25	3.07	2.23	5.48		1	WG2225241
MTWA0209MC002	L1704849-02	Toluene	108-88-3	92.10	0.500	1.88	0.602	2.27		1	WG2225241
MTWA0209MC002CL	L1704849-03	Acetone	67-64-1	58.10	1.25	2.97	1.94	4.61		1	WG2225241
MTWA0209MC002CL	L1704849-03	Butane	106-97-8	58	0.200	0.474	0.825	1.96		1	WG2225241
MTWA0209MC002CL	L1704849-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.437	0.903		1	WG2225241
MTWA0209MC002CL	L1704849-03	Ethanol	64-17-5	46.10	2.50	4.71	16.0	30.2		1	WG2225241
MTWA0209MC002CL	L1704849-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2225241
MTWA0209MC002CL	L1704849-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.538	2.66		1	WG2225241
MTWA0209MC002CL	L1704849-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.228	0.792		1	WG2225241
MTWA0209MC002CL	L1704849-03	Pentane	109-66-0	72.15	0.200	0.590	0.628	1.85		1	WG2225241
MTWA0209MC002CL	L1704849-03	2-Propanol	67-63-0	60.10	1.25	3.07	1.57	3.86		1	WG2225241
MTWA0209MC003	L1704849-04	Acetone	67-64-1	58.10	1.25	2.97	2.57	6.11		1	WG2225241
MTWA0209MC003	L1704849-04	Butane	106-97-8	58	0.200	0.474	0.745	1.77		1	WG2225241
MTWA0209MC003	L1704849-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.470	0.971		1	WG2225241
MTWA0209MC003	L1704849-04	Ethanol	64-17-5	46.10	2.50	4.71	7.96	15.0		1	WG2225241
MTWA0209MC003	L1704849-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.279	1.57		1	WG2225241
MTWA0209MC003	L1704849-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.548	2.71		1	WG2225241
MTWA0209MC003	L1704849-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.208	0.722		1	WG2225241
MTWA0209MC003	L1704849-04	Pentane	109-66-0	72.15	0.200	0.590	0.398	1.17		1	WG2225241
MTWA0209MC004	L1704849-05	Acetone	67-64-1	58.10	1.25	2.97	7.55	17.9		1	WG2225241
MTWA0209MC004	L1704849-05	Benzene	71-43-2	78.10	0.200	0.639	0.427	1.36		1	WG2225241
MTWA0209MC004	L1704849-05	Butane	106-97-8	58	0.200	0.474	0.760	1.80		1	WG2225241
MTWA0209MC004	L1704849-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.787	1.63		1	WG2225241
MTWA0209MC004	L1704849-05	Ethanol	64-17-5	46.10	2.50	4.71	10.7	20.2		1	WG2225241
MTWA0209MC004	L1704849-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.269	1.51		1	WG2225241
MTWA0209MC004	L1704849-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.569	2.81		1	WG2225241
MTWA0209MC004	L1704849-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.250	0.868		1	WG2225241
MTWA0209MC004	L1704849-05	Pentane	109-66-0	72.15	0.200	0.590	0.343	1.01		1	WG2225241
MTWA0209MC004	L1704849-05	Toluene	108-88-3	92.10	0.500	1.88	1.43	5.39		1	WG2225241



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.85	16.3		1	WG2225241
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2225241
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2225241
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2225241
Benzene	71-43-2	78.10	0.200	0.639	0.426	1.36		1	WG2225241
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2225241
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2225241
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2225241
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2225241
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2225241
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2225241
Butane	106-97-8	58	0.200	0.474	0.780	1.85		1	WG2225241
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2225241
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2225241
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2225241
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2225241
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2225241
Chloromethane	74-87-3	50.50	0.200	0.413	0.766	1.58		1	WG2225241
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2225241
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2225241
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2225241
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2225241
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2225241
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2225241
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2225241
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2225241
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2225241
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2225241
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2225241
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2225241
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2225241
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2225241
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2225241
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2225241
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2225241
Ethanol	64-17-5	46.10	2.50	4.71	16.0	30.2		1	WG2225241
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2225241
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2225241
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.264	1.48		1	WG2225241
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.522	2.58		1	WG2225241
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2225241
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2225241
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2225241
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2225241
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2225241
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2225241
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2225241
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2225241
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2225241
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2225241
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2225241
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2225241
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2225241
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2225241
Pentane	109-66-0	72.15	0.200	0.590	0.284	0.838		1	WG2225241
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2225241



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2225241
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2225241
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2225241
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2225241
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2225241
Toluene	108-88-3	92.10	0.500	1.88	0.727	2.74		1	WG2225241
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2225241
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2225241
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2225241
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2225241
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2225241
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2225241
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2225241
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2225241
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2225241
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2225241
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2225241
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2225241
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.2				WG2225241

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.47	8.25		1	WG2225241
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2225241
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2225241
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2225241
Benzene	71-43-2	78.10	0.200	0.639	0.264	0.843		1	WG2225241
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2225241
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2225241
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2225241
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2225241
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2225241
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2225241
Butane	106-97-8	58	0.200	0.474	1.47	3.49		1	WG2225241
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2225241
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2225241
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2225241
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2225241
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2225241
Chloromethane	74-87-3	50.50	0.200	0.413	0.462	0.954		1	WG2225241
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2225241
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2225241
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2225241
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2225241
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2225241
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2225241
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2225241
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2225241
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2225241
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2225241
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2225241
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2225241
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2225241
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2225241
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2225241
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2225241
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2225241
Ethanol	64-17-5	46.10	2.50	4.71	13.4	25.3		1	WG2225241
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2225241
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2225241
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.249	1.40		1	WG2225241
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.522	2.58		1	WG2225241
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2225241
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2225241
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2225241
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2225241
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2225241
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2225241
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.219	0.760		1	WG2225241
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2225241
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2225241
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2225241
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2225241
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2225241
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2225241
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2225241
Pentane	109-66-0	72.15	0.200	0.590	1.63	4.81		1	WG2225241
2-Propanol	67-63-0	60.10	1.25	3.07	2.23	5.48		1	WG2225241



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2225241
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2225241
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2225241
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2225241
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2225241
Toluene	108-88-3	92.10	0.500	1.88	0.602	2.27		1	WG2225241
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2225241
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2225241
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2225241
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2225241
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2225241
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2225241
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2225241
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2225241
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2225241
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2225241
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2225241
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2225241
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.8				WG2225241

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	1.94	4.61		1	WG2225241
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2225241
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2225241
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2225241
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2225241
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2225241
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2225241
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2225241
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2225241
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2225241
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2225241
Butane	106-97-8	58	0.200	0.474	0.825	1.96		1	WG2225241
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2225241
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2225241
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2225241
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2225241
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2225241
Chloromethane	74-87-3	50.50	0.200	0.413	0.437	0.903		1	WG2225241
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2225241
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2225241
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2225241
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2225241
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2225241
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2225241
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2225241
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2225241
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2225241
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2225241
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2225241
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2225241
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2225241
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2225241
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2225241
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2225241
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2225241
Ethanol	64-17-5	46.10	2.50	4.71	16.0	30.2		1	WG2225241
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2225241
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2225241
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2225241
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.538	2.66		1	WG2225241
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2225241
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2225241
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2225241
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2225241
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2225241
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2225241
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.228	0.792		1	WG2225241
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2225241
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2225241
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2225241
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2225241
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2225241
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2225241
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2225241
Pentane	109-66-0	72.15	0.200	0.590	0.628	1.85		1	WG2225241
2-Propanol	67-63-0	60.10	1.25	3.07	1.57	3.86		1	WG2225241

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2225241
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2225241
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2225241
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2225241
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2225241
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2225241
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2225241
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2225241
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2225241
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2225241
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2225241
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2225241
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2225241
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2225241
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2225241
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2225241
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2225241
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2225241
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.8				WG2225241

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.57	6.11		1	WG2225241
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2225241
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2225241
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2225241
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2225241
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2225241
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2225241
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2225241
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2225241
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2225241
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2225241
Butane	106-97-8	58	0.200	0.474	0.745	1.77		1	WG2225241
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2225241
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2225241
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2225241
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2225241
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2225241
Chloromethane	74-87-3	50.50	0.200	0.413	0.470	0.971		1	WG2225241
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2225241
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2225241
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2225241
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2225241
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2225241
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2225241
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2225241
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2225241
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2225241
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2225241
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2225241
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2225241
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2225241
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2225241
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2225241
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2225241
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2225241
Ethanol	64-17-5	46.10	2.50	4.71	7.96	15.0		1	WG2225241
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2225241
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2225241
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.279	1.57		1	WG2225241
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.548	2.71		1	WG2225241
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2225241
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2225241
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2225241
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2225241
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2225241
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2225241
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.208	0.722		1	WG2225241
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2225241
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2225241
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2225241
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2225241
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2225241
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2225241
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2225241
Pentane	109-66-0	72.15	0.200	0.590	0.398	1.17		1	WG2225241
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2225241



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2225241
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2225241
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2225241
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2225241
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2225241
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2225241
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2225241
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2225241
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2225241
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2225241
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2225241
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2225241
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2225241
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2225241
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2225241
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2225241
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2225241
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2225241
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.5				WG2225241

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.55	17.9		1	WG2225241
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2225241
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2225241
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2225241
Benzene	71-43-2	78.10	0.200	0.639	0.427	1.36		1	WG2225241
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2225241
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2225241
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2225241
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2225241
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2225241
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2225241
Butane	106-97-8	58	0.200	0.474	0.760	1.80		1	WG2225241
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2225241
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2225241
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2225241
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2225241
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2225241
Chloromethane	74-87-3	50.50	0.200	0.413	0.787	1.63		1	WG2225241
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2225241
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2225241
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2225241
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2225241
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2225241
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2225241
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2225241
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2225241
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2225241
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2225241
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2225241
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2225241
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2225241
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2225241
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2225241
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2225241
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2225241
Ethanol	64-17-5	46.10	2.50	4.71	10.7	20.2		1	WG2225241
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2225241
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2225241
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.269	1.51		1	WG2225241
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.569	2.81		1	WG2225241
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2225241
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2225241
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2225241
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2225241
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2225241
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2225241
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.250	0.868		1	WG2225241
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2225241
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2225241
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2225241
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2225241
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2225241
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2225241
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2225241
Pentane	109-66-0	72.15	0.200	0.590	0.343	1.01		1	WG2225241
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2225241

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2225241
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2225241
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2225241
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2225241
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2225241
Toluene	108-88-3	92.10	0.500	1.88	1.43	5.39		1	WG2225241
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2225241
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2225241
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2225241
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2225241
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2225241
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2225241
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2225241
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2225241
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2225241
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2225241
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2225241
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2225241
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.1				WG2225241

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4033161-3 02/13/24 09:46

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4033161-3 02/13/24 09:46

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	98.2			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4033161-1 02/13/24 08:47 • (LCSD) R4033161-2 02/13/24 09:18

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	3.46	3.43	92.3	91.5	70.0-130			0.871	25
Acetonitrile	18.8	17.8	17.8	94.7	94.7	70.0-130			0.000	25
Acrylonitrile	3.75	3.61	3.79	96.3	101	70.0-130			4.86	25
Allyl chloride	3.75	3.77	3.71	101	98.9	70.0-130			1.60	25
Benzene	3.75	3.83	3.77	102	101	70.0-130			1.58	25
Benzyl Chloride	3.75	3.84	3.77	102	101	70.0-152			1.84	25
Bromodichloromethane	3.75	3.94	3.89	105	104	70.0-130			1.28	25
Bromoform	3.75	4.09	4.02	109	107	70.0-130			1.73	25
Bromomethane	3.75	4.05	3.94	108	105	70.0-130			2.75	25
Bromoethane	3.75	3.97	4.04	106	108	70.0-130			1.75	25
1,3-Butadiene	3.75	3.78	3.73	101	99.5	70.0-130			1.33	25
Butane	3.75	3.84	3.78	102	101	70.0-130			1.57	25
Carbon disulfide	3.75	3.96	3.93	106	105	70.0-130			0.760	25
Carbon tetrachloride	3.75	4.17	4.22	111	113	70.0-130			1.19	25
Chlorobenzene	3.75	4.05	3.94	108	105	70.0-130			2.75	25
Chloroethane	3.75	3.93	3.91	105	104	70.0-130			0.510	25
Chloroform	3.75	4.08	4.02	109	107	70.0-130			1.48	25
Chloromethane	3.75	3.70	3.62	98.7	96.5	70.0-130			2.19	25
2-Chlorotoluene	3.75	4.10	3.90	109	104	70.0-130			5.00	25
Cyclohexane	3.75	3.79	3.82	101	102	70.0-130			0.788	25
n-Decane	3.75	3.80	3.67	101	97.9	70.0-130			3.48	25
Dibromochloromethane	3.75	4.22	4.09	113	109	70.0-130			3.13	25
1,2-Dibromoethane	3.75	3.86	3.86	103	103	70.0-130			0.000	25
1,2-Dichlorobenzene	3.75	4.22	4.18	113	111	70.0-130			0.952	25
1,3-Dichlorobenzene	3.75	4.26	4.15	114	111	70.0-130			2.62	25
1,4-Dichlorobenzene	3.75	4.15	4.09	111	109	70.0-130			1.46	25
1,2-Dichloroethane	3.75	4.22	4.13	113	110	70.0-130			2.16	25
1,1-Dichloroethane	3.75	3.99	3.86	106	103	70.0-130			3.31	25
1,1-Dichloroethene	3.75	3.97	3.89	106	104	70.0-130			2.04	25
cis-1,2-Dichloroethene	3.75	3.77	3.79	101	101	70.0-130			0.529	25
trans-1,2-Dichloroethene	3.75	3.96	3.99	106	106	70.0-130			0.755	25
1,2-Dichloropropane	3.75	3.73	3.50	99.5	93.3	70.0-130			6.36	25
cis-1,3-Dichloropropene	3.75	3.76	3.78	100	101	70.0-130			0.531	25
trans-1,3-Dichloropropene	3.75	4.05	3.83	108	102	70.0-130			5.58	25
1,4-Dioxane	3.75	3.95	3.28	105	87.5	70.0-140			18.5	25
Ethanol	3.75	3.39	3.00	90.4	80.0	55.0-148			12.2	25
Ethylbenzene	3.75	3.98	3.90	106	104	70.0-130			2.03	25
4-Ethyltoluene	3.75	4.28	4.16	114	111	70.0-130			2.84	25
Trichlorofluoromethane	3.75	4.38	4.34	117	116	70.0-130			0.917	25
Dichlorodifluoromethane	3.75	4.30	4.28	115	114	64.0-139			0.466	25

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Cp

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Sc

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

(LCS) R4033161-1 02/13/24 08:47 • (LCSD) R4033161-2 02/13/24 09:18

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.19	4.13	112	110	70.0-130			1.44	25
1,2-Dichlorotetrafluoroethane	3.75	4.22	3.98	113	106	70.0-130			5.85	25
Heptane	3.75	3.27	3.28	87.2	87.5	70.0-130			0.305	25
Hexachloro-1,3-butadiene	3.75	4.23	4.20	113	112	70.0-151			0.712	25
n-Hexane	3.75	3.67	3.57	97.9	95.2	70.0-130			2.76	25
Isopropylbenzene	3.75	4.28	4.10	114	109	70.0-130			4.30	25
Methylene Chloride	3.75	3.79	3.61	101	96.3	70.0-130			4.86	25
Methyl Butyl Ketone	3.75	3.74	3.70	99.7	98.7	70.0-149			1.08	25
2-Butanone (MEK)	3.75	3.92	4.26	105	114	70.0-130			8.31	25
4-Methyl-2-pentanone (MIBK)	3.75	3.66	3.71	97.6	98.9	70.0-139			1.36	25
Methyl methacrylate	3.75	3.64	3.64	97.1	97.1	70.0-130			0.000	25
MTBE	3.75	4.16	4.02	111	107	70.0-130			3.42	25
Naphthalene	3.75	4.24	4.10	113	109	70.0-159			3.36	25
Nonane	3.75	3.59	3.60	95.7	96.0	70.0-130			0.278	25
Pentane	3.75	3.50	3.65	93.3	97.3	70.0-130			4.20	25
2-Propanol	3.75	3.50	3.55	93.3	94.7	70.0-139			1.42	25
Propene	3.75	3.63	3.55	96.8	94.7	64.0-144			2.23	25
Styrene	3.75	4.12	4.05	110	108	70.0-130			1.71	25
1,1,2,2-Tetrachloroethane	3.75	3.98	3.77	106	101	70.0-130			5.42	25
Tetrachloroethylene	3.75	4.15	4.06	111	108	70.0-130			2.19	25
Tetrahydrofuran	3.75	3.39	3.25	90.4	86.7	70.0-137			4.22	25
Toluene	3.75	3.84	3.88	102	103	70.0-130			1.04	25
1,2,4-Trichlorobenzene	3.75	4.05	3.94	108	105	70.0-160			2.75	25
1,1,1-Trichloroethane	3.75	4.18	4.03	111	107	70.0-130			3.65	25
1,1,2-Trichloroethane	3.75	3.93	3.77	105	101	70.0-130			4.16	25
Trichloroethylene	3.75	4.02	4.01	107	107	70.0-130			0.249	25
1,2,4-Trimethylbenzene	3.75	4.32	4.17	115	111	70.0-130			3.53	25
1,3,5-Trimethylbenzene	3.75	4.21	4.23	112	113	70.0-130			0.474	25
2,2,4-Trimethylpentane	3.75	3.53	3.59	94.1	95.7	70.0-130			1.69	25
Vinyl chloride	3.75	3.75	3.84	100	102	70.0-130			2.37	25
Vinyl Bromide	3.75	4.02	4.06	107	108	70.0-130			0.990	25
Vinyl acetate	3.75	3.23	3.17	86.1	84.5	70.0-130			1.87	25
m&p-Xylene	7.50	8.46	8.06	113	107	70.0-130			4.84	25
o-Xylene	3.75	4.29	4.09	114	109	70.0-130			4.77	25
(S) 1,4-Bromofluorobenzene				101	100	60.0-140				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



Send Report to	ahenault@cteh.com , mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

Retain w/ storage fees after 2X hold time

U1704849

Lab Contact Information	Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method				Matrix	
											TO-15				A = air B = bulk S = soil SW = wipe T = tape W = water	
	MTWA0209MC001	023781	029208	02/09/24	1055	02/10/24	0441	-29	-9	DA	✓					A
	MTWA0209MC002	028985	021253	02/09/24	1106	02/10/24	0509	-29	-11	DA	✓					A
	MTWA0209MC002CL	015694	021257	02/09/24	1106	02/10/24	0526	-29	-9	DA	✓					A
	MTWA0209MC003	015606	009504	02/09/24	1122	02/10/24	0541	-30	-7	DA	✓					A
	MTWA0209MC004	015671	023509	02/09/24	1129	02/10/24	0555	-29	-9	DA	✓					A

Sample Receipt Checklist

COC Seal Present/Intact: Y N Size

COC Signed/Accurate: Y N Size: 1L 6L 1.4L

Bottles arrive intact: Y N Page Color: G P B

Correct bottles used: Y N Tubing Shunt

T/P#:

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Cody Rhoades	2/12/24 0830	~~Jeff~~ Patton	2/12/24 0830	7241 0703 5671
Shirrell Walters	2/12/24 0945	FEDEx	2/12/24 0945	11. Javien 2/13/24 0900

SPG # MTWA0209MC

Page 1 of 1

CTEH - ER

Sample Delivery Group: L1705508
Samples Received: 02/14/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0210MC001 L1705508-01 Air

				Collected by DA	Collected date/time 02/10/24 22:32	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226907	1	02/15/24 11:26	02/15/24 11:26	SDS	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

MTWA0210MC002 L1705508-02 Air

				Collected by DA	Collected date/time 02/10/24 22:52	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226907	1	02/15/24 11:55	02/15/24 11:55	DAH	Mt. Juliet, TN

MTWA0210MC003 L1705508-03 Air

				Collected by DA	Collected date/time 02/10/24 23:09	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226907	1	02/15/24 12:26	02/15/24 12:26	DAH	Mt. Juliet, TN

MTWA0210MC004 L1705508-04 Air

				Collected by DA	Collected date/time 02/10/24 23:22	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226907	1	02/15/24 12:56	02/15/24 12:56	DAH	Mt. Juliet, TN

MTWA0210MC001B L1705508-05 Air

				Collected by DA	Collected date/time 02/11/24 16:48	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226907	1	02/15/24 13:24	02/15/24 13:24	DAH	Mt. Juliet, TN

MTWA0210MC002B L1705508-06 Air

				Collected by DA	Collected date/time 02/11/24 16:58	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226907	1	02/15/24 13:54	02/15/24 13:54	DAH	Mt. Juliet, TN

MTWA0210MC003B L1705508-07 Air

				Collected by DA	Collected date/time 02/11/24 17:09	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226907	1	02/15/24 14:23	02/15/24 14:23	DAH	Mt. Juliet, TN

MTWA0210MC004B L1705508-08 Air

				Collected by DA	Collected date/time 02/11/24 17:15	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226907	1	02/15/24 14:53	02/15/24 14:53	DAH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2226907	L1705508-01	Ethanol

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
MTWA0210MC001	L1705508-01	Acetone	67-64-1	58.10	1.25	2.97	6.62	15.7	E	1	WG2226907
MTWA0210MC001	L1705508-01	Benzene	71-43-2	78.10	0.200	0.639	0.300	0.958		1	WG2226907
MTWA0210MC001	L1705508-01	Butane	106-97-8	58	0.200	0.474	0.953	2.26		1	WG2226907
MTWA0210MC001	L1705508-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.579	1.20		1	WG2226907
MTWA0210MC001	L1705508-01	Ethanol	64-17-5	46.10	2.50	4.71	163	307		1	WG2226907
MTWA0210MC001	L1705508-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.247	1.39		1	WG2226907
MTWA0210MC001	L1705508-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.488	2.41		1	WG2226907
MTWA0210MC001	L1705508-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.279	0.969		1	WG2226907
MTWA0210MC001	L1705508-01	Pentane	109-66-0	72.15	0.200	0.590	1.79	5.28		1	WG2226907
MTWA0210MC001	L1705508-01	2-Propanol	67-63-0	60.10	1.25	3.07	2.13	5.24		1	WG2226907
MTWA0210MC001	L1705508-01	Toluene	108-88-3	92.10	0.500	1.88	0.696	2.62		1	WG2226907
MTWA0210MC002	L1705508-02	Acetone	67-64-1	58.10	1.25	2.97	2.89	6.87	E	1	WG2226907
MTWA0210MC002	L1705508-02	Butane	106-97-8	58	0.200	0.474	0.826	1.96		1	WG2226907
MTWA0210MC002	L1705508-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.550	1.14		1	WG2226907
MTWA0210MC002	L1705508-02	Ethanol	64-17-5	46.10	2.50	4.71	16.6	31.3		1	WG2226907
MTWA0210MC002	L1705508-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.239	1.34		1	WG2226907
MTWA0210MC002	L1705508-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.504	2.49		1	WG2226907
MTWA0210MC002	L1705508-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.322	1.12		1	WG2226907
MTWA0210MC002	L1705508-02	Pentane	109-66-0	72.15	0.200	0.590	0.359	1.06		1	WG2226907
MTWA0210MC002	L1705508-02	2-Propanol	67-63-0	60.10	1.25	3.07	2.08	5.11		1	WG2226907
MTWA0210MC003	L1705508-03	Acetone	67-64-1	58.10	1.25	2.97	10.8	25.7		1	WG2226907
MTWA0210MC003	L1705508-03	Benzene	71-43-2	78.10	0.200	0.639	0.758	2.42	E	1	WG2226907
MTWA0210MC003	L1705508-03	Butane	106-97-8	58	0.200	0.474	0.912	2.16		1	WG2226907
MTWA0210MC003	L1705508-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.959	1.98		1	WG2226907
MTWA0210MC003	L1705508-03	Ethanol	64-17-5	46.10	2.50	4.71	14.4	27.2		1	WG2226907
MTWA0210MC003	L1705508-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.243	1.37		1	WG2226907
MTWA0210MC003	L1705508-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.499	2.47		1	WG2226907
MTWA0210MC003	L1705508-03	Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.280	1.38		1	WG2226907
MTWA0210MC003	L1705508-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.285	0.990		1	WG2226907
MTWA0210MC003	L1705508-03	Pentane	109-66-0	72.15	0.200	0.590	0.514	1.52		1	WG2226907
MTWA0210MC003	L1705508-03	Toluene	108-88-3	92.10	0.500	1.88	1.04	3.92		1	WG2226907
MTWA0210MC004	L1705508-04	Acetone	67-64-1	58.10	1.25	2.97	9.60	22.8	E	1	WG2226907
MTWA0210MC004	L1705508-04	Benzene	71-43-2	78.10	0.200	0.639	0.234	0.747		1	WG2226907
MTWA0210MC004	L1705508-04	Butane	106-97-8	58	0.200	0.474	0.914	2.17		1	WG2226907
MTWA0210MC004	L1705508-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.567	1.17		1	WG2226907
MTWA0210MC004	L1705508-04	Ethanol	64-17-5	46.10	2.50	4.71	12.8	24.1		1	WG2226907
MTWA0210MC004	L1705508-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2226907
MTWA0210MC004	L1705508-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.524	2.59		1	WG2226907
MTWA0210MC004	L1705508-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.301	1.05		1	WG2226907
MTWA0210MC004	L1705508-04	Pentane	109-66-0	72.15	0.200	0.590	1.04	3.07		1	WG2226907
MTWA0210MC004	L1705508-04	2-Propanol	67-63-0	60.10	1.25	3.07	4.04	9.93		1	WG2226907
MTWA0210MC004	L1705508-04	Toluene	108-88-3	92.10	0.500	1.88	0.983	3.70		1	WG2226907
MTWA0210MC001B	L1705508-05	Acetone	67-64-1	58.10	1.25	2.97	7.21	17.1	E	1	WG2226907
MTWA0210MC001B	L1705508-05	Butane	106-97-8	58	0.200	0.474	0.698	1.66		1	WG2226907
MTWA0210MC001B	L1705508-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.616	1.27		1	WG2226907
MTWA0210MC001B	L1705508-05	Ethanol	64-17-5	46.10	2.50	4.71	44.9	84.7		1	WG2226907
MTWA0210MC001B	L1705508-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.236	1.33		1	WG2226907
MTWA0210MC001B	L1705508-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.511	2.53		1	WG2226907
MTWA0210MC001B	L1705508-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.238	0.826		1	WG2226907
MTWA0210MC001B	L1705508-05	Pentane	109-66-0	72.15	0.200	0.590	0.399	1.18		1	WG2226907
MTWA0210MC001B	L1705508-05	2-Propanol	67-63-0	60.10	1.25	3.07	2.03	4.99		1	WG2226907



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilutio n	Batch
MTWA0210MC002B	L1705508-06	Acetone	67-64-1	58.10	1.25	2.97	7.27	17.3		1	WG2226907
MTWA0210MC002B	L1705508-06	Butane	106-97-8	58	0.200	0.474	0.702	1.67		1	WG2226907
MTWA0210MC002B	L1705508-06	Chloromethane	74-87-3	50.50	0.200	0.413	0.640	1.32		1	WG2226907
MTWA0210MC002B	L1705508-06	Ethanol	64-17-5	46.10	2.50	4.71	75.5	142		1	WG2226907
MTWA0210MC002B	L1705508-06	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.238	1.34		1	WG2226907
MTWA0210MC002B	L1705508-06	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.503	2.49		1	WG2226907
MTWA0210MC002B	L1705508-06	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.272	0.944		1	WG2226907
MTWA0210MC002B	L1705508-06	Pentane	109-66-0	72.15	0.200	0.590	0.370	1.09		1	WG2226907
MTWA0210MC002B	L1705508-06	2-Propanol	67-63-0	60.10	1.25	3.07	2.03	4.99		1	WG2226907
MTWA0210MC003B	L1705508-07	Acetone	67-64-1	58.10	1.25	2.97	12.5	29.7		1	WG2226907
MTWA0210MC003B	L1705508-07	Benzene	71-43-2	78.10	0.200	0.639	0.705	2.25		1	WG2226907
MTWA0210MC003B	L1705508-07	Butane	106-97-8	58	0.200	0.474	0.688	1.63		1	WG2226907
MTWA0210MC003B	L1705508-07	Chloromethane	74-87-3	50.50	0.200	0.413	1.29	2.66		1	WG2226907
MTWA0210MC003B	L1705508-07	Ethanol	64-17-5	46.10	2.50	4.71	33.4	63.0		1	WG2226907
MTWA0210MC003B	L1705508-07	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.249	1.40		1	WG2226907
MTWA0210MC003B	L1705508-07	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.523	2.59		1	WG2226907
MTWA0210MC003B	L1705508-07	Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.239	1.17		1	WG2226907
MTWA0210MC003B	L1705508-07	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.280	0.972		1	WG2226907
MTWA0210MC003B	L1705508-07	Pentane	109-66-0	72.15	0.200	0.590	0.372	1.10		1	WG2226907
MTWA0210MC003B	L1705508-07	2-Propanol	67-63-0	60.10	1.25	3.07	4.97	12.2		1	WG2226907
MTWA0210MC003B	L1705508-07	Toluene	108-88-3	92.10	0.500	1.88	1.45	5.46		1	WG2226907
MTWA0210MC004B	L1705508-08	Acetone	67-64-1	58.10	1.25	2.97	4.30	10.2		1	WG2226907
MTWA0210MC004B	L1705508-08	Butane	106-97-8	58	0.200	0.474	0.885	2.10		1	WG2226907
MTWA0210MC004B	L1705508-08	Chloromethane	74-87-3	50.50	0.200	0.413	0.641	1.32		1	WG2226907
MTWA0210MC004B	L1705508-08	Cyclohexane	110-82-7	84.20	0.200	0.689	0.277	0.954		1	WG2226907
MTWA0210MC004B	L1705508-08	Ethanol	64-17-5	46.10	2.50	4.71	44.6	84.1		1	WG2226907
MTWA0210MC004B	L1705508-08	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.247	1.39		1	WG2226907
MTWA0210MC004B	L1705508-08	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.526	2.60		1	WG2226907
MTWA0210MC004B	L1705508-08	Heptane	142-82-5	100	0.200	0.818	0.618	2.53		1	WG2226907
MTWA0210MC004B	L1705508-08	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.310	1.08		1	WG2226907
MTWA0210MC004B	L1705508-08	Nonane	111-84-2	128.26	0.200	1.05	0.461	2.42		1	WG2226907
MTWA0210MC004B	L1705508-08	Pentane	109-66-0	72.15	0.200	0.590	0.343	1.01		1	WG2226907
MTWA0210MC004B	L1705508-08	2-Propanol	67-63-0	60.10	1.25	3.07	2.57	6.32		1	WG2226907



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.62	15.7		1	WG2226907
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226907
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226907
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2226907
Benzene	71-43-2	78.10	0.200	0.639	0.300	0.958		1	WG2226907
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226907
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226907
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226907
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226907
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226907
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226907
Butane	106-97-8	58	0.200	0.474	0.953	2.26		1	WG2226907
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226907
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226907
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226907
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226907
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226907
Chloromethane	74-87-3	50.50	0.200	0.413	0.579	1.20		1	WG2226907
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226907
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2226907
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226907
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226907
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226907
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226907
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226907
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226907
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226907
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226907
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226907
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226907
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226907
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226907
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226907
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226907
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226907
Ethanol	64-17-5	46.10	2.50	4.71	163	307	E	1	WG2226907
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226907
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226907
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.247	1.39		1	WG2226907
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.488	2.41		1	WG2226907
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226907
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226907
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2226907
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2226907
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2226907
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2226907
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.279	0.969		1	WG2226907
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226907
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226907
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226907
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226907
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226907
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2226907
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226907
Pentane	109-66-0	72.15	0.200	0.590	1.79	5.28		1	WG2226907
2-Propanol	67-63-0	60.10	1.25	3.07	2.13	5.24		1	WG2226907



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226907
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226907
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226907
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226907
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226907
Toluene	108-88-3	92.10	0.500	1.88	0.696	2.62		1	WG2226907
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2226907
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226907
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226907
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226907
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226907
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226907
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2226907
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226907
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226907
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226907
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226907
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226907
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		94.7				WG2226907

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.89	6.87		1	WG2226907
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226907
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226907
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2226907
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2226907
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226907
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226907
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226907
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226907
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226907
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226907
Butane	106-97-8	58	0.200	0.474	0.826	1.96		1	WG2226907
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226907
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226907
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226907
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226907
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226907
Chloromethane	74-87-3	50.50	0.200	0.413	0.550	1.14		1	WG2226907
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226907
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2226907
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226907
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226907
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226907
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226907
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226907
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226907
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226907
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226907
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226907
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226907
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226907
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226907
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226907
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226907
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226907
Ethanol	64-17-5	46.10	2.50	4.71	16.6	31.3		1	WG2226907
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226907
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226907
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.239	1.34		1	WG2226907
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.504	2.49		1	WG2226907
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226907
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226907
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2226907
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2226907
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2226907
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2226907
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.322	1.12		1	WG2226907
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226907
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226907
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226907
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226907
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226907
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2226907
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226907
Pentane	109-66-0	72.15	0.200	0.590	0.359	1.06		1	WG2226907
2-Propanol	67-63-0	60.10	1.25	3.07	2.08	5.11		1	WG2226907

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226907
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226907
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226907
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226907
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226907
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2226907
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2226907
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226907
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226907
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226907
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226907
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226907
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2226907
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226907
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226907
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226907
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226907
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226907
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.2				WG2226907

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	10.8	25.7		1	WG2226907
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226907
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226907
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2226907
Benzene	71-43-2	78.10	0.200	0.639	0.758	2.42		1	WG2226907
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226907
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226907
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226907
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226907
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226907
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226907
Butane	106-97-8	58	0.200	0.474	0.912	2.16		1	WG2226907
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226907
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226907
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226907
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226907
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226907
Chloromethane	74-87-3	50.50	0.200	0.413	0.959	1.98		1	WG2226907
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226907
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2226907
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226907
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226907
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226907
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226907
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226907
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226907
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226907
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226907
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226907
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226907
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226907
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226907
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226907
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226907
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226907
Ethanol	64-17-5	46.10	2.50	4.71	14.4	27.2		1	WG2226907
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226907
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226907
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.243	1.37		1	WG2226907
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.499	2.47		1	WG2226907
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226907
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226907
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2226907
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2226907
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2226907
Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.280	1.38		1	WG2226907
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.285	0.990		1	WG2226907
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226907
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226907
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226907
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226907
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226907
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2226907
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226907
Pentane	109-66-0	72.15	0.200	0.590	0.514	1.52		1	WG2226907
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2226907

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226907
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226907
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226907
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226907
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226907
Toluene	108-88-3	92.10	0.500	1.88	1.04	3.92		1	WG2226907
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2226907
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226907
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226907
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226907
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226907
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226907
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2226907
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226907
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226907
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226907
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226907
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226907
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		94.1				WG2226907

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	9.60	22.8		1	WG2226907
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226907
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226907
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2226907
Benzene	71-43-2	78.10	0.200	0.639	0.234	0.747		1	WG2226907
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226907
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226907
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226907
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226907
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226907
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226907
Butane	106-97-8	58	0.200	0.474	0.914	2.17		1	WG2226907
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226907
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226907
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226907
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226907
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226907
Chloromethane	74-87-3	50.50	0.200	0.413	0.567	1.17		1	WG2226907
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226907
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2226907
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226907
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226907
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226907
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226907
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226907
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226907
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226907
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226907
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226907
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226907
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226907
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226907
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226907
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226907
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226907
Ethanol	64-17-5	46.10	2.50	4.71	12.8	24.1		1	WG2226907
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226907
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226907
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.244	1.37		1	WG2226907
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.524	2.59		1	WG2226907
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226907
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226907
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2226907
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2226907
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2226907
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2226907
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.301	1.05		1	WG2226907
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226907
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226907
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226907
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226907
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226907
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2226907
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226907
Pentane	109-66-0	72.15	0.200	0.590	1.04	3.07		1	WG2226907
2-Propanol	67-63-0	60.10	1.25	3.07	4.04	9.93		1	WG2226907

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226907
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226907
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226907
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226907
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226907
Toluene	108-88-3	92.10	0.500	1.88	0.983	3.70		1	WG2226907
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2226907
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226907
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226907
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226907
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226907
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226907
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2226907
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226907
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226907
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226907
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226907
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226907
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.9				WG2226907

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.21	17.1		1	WG2226907
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226907
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226907
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2226907
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2226907
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226907
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226907
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226907
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226907
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226907
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226907
Butane	106-97-8	58	0.200	0.474	0.698	1.66		1	WG2226907
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226907
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226907
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226907
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226907
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226907
Chloromethane	74-87-3	50.50	0.200	0.413	0.616	1.27		1	WG2226907
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226907
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2226907
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226907
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226907
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226907
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226907
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226907
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226907
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226907
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226907
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226907
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226907
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226907
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226907
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226907
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226907
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226907
Ethanol	64-17-5	46.10	2.50	4.71	44.9	84.7		1	WG2226907
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226907
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226907
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.236	1.33		1	WG2226907
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.511	2.53		1	WG2226907
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226907
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226907
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2226907
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2226907
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2226907
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2226907
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.238	0.826		1	WG2226907
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226907
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226907
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226907
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226907
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226907
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2226907
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226907
Pentane	109-66-0	72.15	0.200	0.590	0.399	1.18		1	WG2226907
2-Propanol	67-63-0	60.10	1.25	3.07	2.03	4.99		1	WG2226907

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226907
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226907
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226907
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226907
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226907
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2226907
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2226907
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226907
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226907
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226907
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226907
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226907
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2226907
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226907
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226907
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226907
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226907
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226907
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		94.3				WG2226907

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.27	17.3		1	WG2226907
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226907
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226907
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2226907
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2226907
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226907
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226907
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226907
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226907
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226907
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226907
Butane	106-97-8	58	0.200	0.474	0.702	1.67		1	WG2226907
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226907
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226907
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226907
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226907
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226907
Chloromethane	74-87-3	50.50	0.200	0.413	0.640	1.32		1	WG2226907
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226907
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2226907
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226907
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226907
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226907
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226907
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226907
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226907
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226907
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226907
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226907
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226907
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226907
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226907
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226907
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226907
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226907
Ethanol	64-17-5	46.10	2.50	4.71	75.5	142		1	WG2226907
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226907
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226907
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.238	1.34		1	WG2226907
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.503	2.49		1	WG2226907
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226907
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226907
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2226907
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2226907
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2226907
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2226907
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.272	0.944		1	WG2226907
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226907
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226907
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226907
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226907
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226907
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2226907
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226907
Pentane	109-66-0	72.15	0.200	0.590	0.370	1.09		1	WG2226907
2-Propanol	67-63-0	60.10	1.25	3.07	2.03	4.99		1	WG2226907



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226907
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226907
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226907
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226907
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226907
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2226907
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2226907
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226907
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226907
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226907
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226907
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226907
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2226907
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226907
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226907
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226907
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226907
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226907
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				WG2226907

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	12.5	29.7		1	WG2226907
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226907
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226907
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2226907
Benzene	71-43-2	78.10	0.200	0.639	0.705	2.25		1	WG2226907
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226907
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226907
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226907
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226907
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226907
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226907
Butane	106-97-8	58	0.200	0.474	0.688	1.63		1	WG2226907
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226907
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226907
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226907
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226907
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226907
Chloromethane	74-87-3	50.50	0.200	0.413	1.29	2.66		1	WG2226907
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226907
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2226907
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226907
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226907
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226907
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226907
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226907
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226907
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226907
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226907
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226907
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226907
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226907
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226907
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226907
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226907
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226907
Ethanol	64-17-5	46.10	2.50	4.71	33.4	63.0		1	WG2226907
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226907
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226907
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.249	1.40		1	WG2226907
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.523	2.59		1	WG2226907
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226907
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226907
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2226907
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2226907
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2226907
Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.239	1.17		1	WG2226907
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.280	0.972		1	WG2226907
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226907
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226907
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226907
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226907
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226907
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2226907
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226907
Pentane	109-66-0	72.15	0.200	0.590	0.372	1.10		1	WG2226907
2-Propanol	67-63-0	60.10	1.25	3.07	4.97	12.2		1	WG2226907

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226907
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226907
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226907
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226907
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226907
Toluene	108-88-3	92.10	0.500	1.88	1.45	5.46		1	WG2226907
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2226907
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226907
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226907
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226907
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226907
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226907
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2226907
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226907
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226907
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226907
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226907
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226907
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.3				WG2226907

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.30	10.2		1	WG2226907
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226907
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226907
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2226907
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2226907
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226907
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226907
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226907
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226907
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226907
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226907
Butane	106-97-8	58	0.200	0.474	0.885	2.10		1	WG2226907
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226907
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226907
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226907
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226907
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226907
Chloromethane	74-87-3	50.50	0.200	0.413	0.641	1.32		1	WG2226907
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226907
Cyclohexane	110-82-7	84.20	0.200	0.689	0.277	0.954		1	WG2226907
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226907
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226907
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226907
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226907
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226907
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226907
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226907
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226907
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226907
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226907
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226907
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226907
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226907
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226907
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226907
Ethanol	64-17-5	46.10	2.50	4.71	44.6	84.1		1	WG2226907
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226907
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226907
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.247	1.39		1	WG2226907
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.526	2.60		1	WG2226907
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226907
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226907
Heptane	142-82-5	100	0.200	0.818	0.618	2.53		1	WG2226907
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2226907
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2226907
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2226907
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.310	1.08		1	WG2226907
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226907
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226907
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226907
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226907
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226907
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2226907
Nonane	111-84-2	128.26	0.200	1.05	0.461	2.42		1	WG2226907
Pentane	109-66-0	72.15	0.200	0.590	0.343	1.01		1	WG2226907
2-Propanol	67-63-0	60.10	1.25	3.07	2.57	6.32		1	WG2226907



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226907
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226907
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226907
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226907
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226907
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2226907
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2226907
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226907
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226907
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226907
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226907
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226907
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2226907
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226907
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226907
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226907
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226907
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226907
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.4				WG2226907

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4034280-3 02/15/24 09:43

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.478	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4034280-3 02/15/24 09:43

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	94.7			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4034280-1 02/15/24 08:45 • (LCSD) R4034280-2 02/15/24 09:15

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.04	4.02	108	107	70.0-130			0.496	25
Acetonitrile	18.8	19.9	19.9	106	106	70.0-130			0.000	25
Acrylonitrile	3.75	3.96	3.99	106	106	70.0-130			0.755	25
Allyl chloride	3.75	4.01	4.11	107	110	70.0-130			2.46	25
Benzene	3.75	3.81	3.87	102	103	70.0-130			1.56	25
Benzyl Chloride	3.75	4.65	4.74	124	126	70.0-152			1.92	25
Bromodichloromethane	3.75	3.74	3.77	99.7	101	70.0-130			0.799	25
Bromoform	3.75	3.43	3.55	91.5	94.7	70.0-130			3.44	25
Bromomethane	3.75	3.96	4.08	106	109	70.0-130			2.99	25
Bromoethane	3.75	3.92	3.95	105	105	70.0-130			0.762	25
1,3-Butadiene	3.75	4.03	4.13	107	110	70.0-130			2.45	25
Butane	3.75	3.99	4.01	106	107	70.0-130			0.500	25
Carbon disulfide	3.75	3.91	3.94	104	105	70.0-130			0.764	25
Carbon tetrachloride	3.75	3.84	3.86	102	103	70.0-130			0.519	25
Chlorobenzene	3.75	3.74	3.84	99.7	102	70.0-130			2.64	25
Chloroethane	3.75	4.05	4.06	108	108	70.0-130			0.247	25
Chloroform	3.75	3.91	3.91	104	104	70.0-130			0.000	25
Chloromethane	3.75	3.95	3.94	105	105	70.0-130			0.253	25
2-Chlorotoluene	3.75	3.93	4.00	105	107	70.0-130			1.77	25
Cyclohexane	3.75	3.89	3.99	104	106	70.0-130			2.54	25
n-Decane	3.75	4.40	4.40	117	117	70.0-130			0.000	25
Dibromochloromethane	3.75	3.60	3.65	96.0	97.3	70.0-130			1.38	25
1,2-Dibromoethane	3.75	3.76	3.89	100	104	70.0-130			3.40	25
1,2-Dichlorobenzene	3.75	3.90	3.94	104	105	70.0-130			1.02	25
1,3-Dichlorobenzene	3.75	3.95	3.98	105	106	70.0-130			0.757	25
1,4-Dichlorobenzene	3.75	4.00	4.03	107	107	70.0-130			0.747	25
1,2-Dichloroethane	3.75	3.92	3.90	105	104	70.0-130			0.512	25
1,1-Dichloroethane	3.75	3.95	3.98	105	106	70.0-130			0.757	25
1,1-Dichloroethene	3.75	4.05	4.07	108	109	70.0-130			0.493	25
cis-1,2-Dichloroethene	3.75	3.92	3.97	105	106	70.0-130			1.27	25
trans-1,2-Dichloroethene	3.75	4.03	4.09	107	109	70.0-130			1.48	25
1,2-Dichloropropane	3.75	3.83	3.83	102	102	70.0-130			0.000	25
cis-1,3-Dichloropropene	3.75	3.86	3.87	103	103	70.0-130			0.259	25
trans-1,3-Dichloropropene	3.75	3.88	3.98	103	106	70.0-130			2.54	25
1,4-Dioxane	3.75	3.75	3.87	100	103	70.0-140			3.15	25
Ethanol	3.75	3.86	3.79	103	101	55.0-148			1.83	25
Ethylbenzene	3.75	3.92	3.98	105	106	70.0-130			1.52	25
4-Ethyltoluene	3.75	4.08	4.21	109	112	70.0-130			3.14	25
Trichlorofluoromethane	3.75	4.01	4.00	107	107	70.0-130			0.250	25
Dichlorodifluoromethane	3.75	3.99	4.02	106	107	64.0-139			0.749	25

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4034280-1 02/15/24 08:45 • (LCSD) R4034280-2 02/15/24 09:15

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.91	3.96	104	106	70.0-130			1.27	25
1,2-Dichlorotetrafluoroethane	3.75	3.98	3.99	106	106	70.0-130			0.251	25
Heptane	3.75	3.95	3.95	105	105	70.0-130			0.000	25
Hexachloro-1,3-butadiene	3.75	3.72	3.72	99.2	99.2	70.0-151			0.000	25
n-Hexane	3.75	3.84	3.93	102	105	70.0-130			2.32	25
Isopropylbenzene	3.75	3.97	3.99	106	106	70.0-130			0.503	25
Methylene Chloride	3.75	3.95	4.00	105	107	70.0-130			1.26	25
Methyl Butyl Ketone	3.75	4.04	4.02	108	107	70.0-149			0.496	25
2-Butanone (MEK)	3.75	3.97	4.07	106	109	70.0-130			2.49	25
4-Methyl-2-pentanone (MIBK)	3.75	3.97	3.92	106	105	70.0-139			1.27	25
Methyl methacrylate	3.75	3.79	3.86	101	103	70.0-130			1.83	25
MTBE	3.75	4.13	4.11	110	110	70.0-130			0.485	25
Naphthalene	3.75	4.48	4.46	119	119	70.0-159			0.447	25
Nonane	3.75	4.17	4.23	111	113	70.0-130			1.43	25
Pentane	3.75	3.92	3.96	105	106	70.0-130			1.02	25
2-Propanol	3.75	3.87	3.91	103	104	70.0-139			1.03	25
Propene	3.75	4.05	3.98	108	106	64.0-144			1.74	25
Styrene	3.75	4.03	4.09	107	109	70.0-130			1.48	25
1,1,2,2-Tetrachloroethane	3.75	3.78	3.84	101	102	70.0-130			1.57	25
Tetrachloroethylene	3.75	3.75	3.79	100	101	70.0-130			1.06	25
Tetrahydrofuran	3.75	3.82	3.91	102	104	70.0-137			2.33	25
Toluene	3.75	3.86	3.84	103	102	70.0-130			0.519	25
1,2,4-Trichlorobenzene	3.75	4.47	4.51	119	120	70.0-160			0.891	25
1,1,1-Trichloroethane	3.75	3.90	3.90	104	104	70.0-130			0.000	25
1,1,2-Trichloroethane	3.75	3.75	3.82	100	102	70.0-130			1.85	25
Trichloroethylene	3.75	3.79	3.84	101	102	70.0-130			1.31	25
1,2,4-Trimethylbenzene	3.75	4.09	4.14	109	110	70.0-130			1.22	25
1,3,5-Trimethylbenzene	3.75	4.12	4.19	110	112	70.0-130			1.68	25
2,2,4-Trimethylpentane	3.75	4.01	4.10	107	109	70.0-130			2.22	25
Vinyl chloride	3.75	4.08	4.12	109	110	70.0-130			0.976	25
Vinyl Bromide	3.75	4.01	4.04	107	108	70.0-130			0.745	25
Vinyl acetate	3.75	3.81	3.87	102	103	70.0-130			1.56	25
m&p-Xylene	7.50	8.01	8.11	107	108	70.0-130			1.24	25
o-Xylene	3.75	4.07	4.09	109	109	70.0-130			0.490	25
(S) 1,4-Bromofluorobenzene				100	101	60.0-140				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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





Sample Receipt Checklist
COC Seal Present/Intact: ☒ Y ☐ N Airs
COC Signed/Accurate: ☒ Y ☐ N Size: B IL 1.4L
Bottles arrive intact: ☒ Y ☐ N Tape Color: G W F B
Correct bottles used: ☒ Y ☐ N Tubing Shunt

YSIS REQUEST FORM

J212

T/P#: _____

Send Report to: ahenault@cteh.com, mreilly@cteh.com
Company: CTEH, LLC
Address: 5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone: (501)801-8500
e-mail: labresults@cteh.com
Accounting: Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☐ Same Day ☒ Next Day
☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☒

Retain w/ storage fees after 2X hold time ☐

11705508

Lab Contact Information	Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method				Matrix A = air B = bulk S = soil SW = wipe T = tape W = water
											TO-15				
	MTWA0210MC001	012892	011598	02/10/24	0452	02/10/24	2232	-29	-16	DA	✓				A -01
	MTWA0210MC002	013077	023564	02/10/24	0517	02/10/24	2252	-29	-7	DA	✓				A -02
	MTWA0210MC003	011839	013029	02/10/24	0542	02/10/24	2309	-29	-10	DA	✓				A -03
	MTWA0210MC004	028093	023506	02/10/24	0557	02/10/24	2322	-29	-9	DA	✓				A -04
	MTWA0210MC001B	012414	011633	02/10/24	2236	02/11/24	1648	-28	-6	DA	✓				A -05
	MTWA0210MC002B	029298	009508	02/10/24	2256	02/11/24	1658	-27	-8	DA	✓				A -06
	MTWA0210MC003B	012890	013026	02/10/24	2313	02/11/24	1709	-29	-9	DA	✓				A -07
	MTWA0210MC004B	013297	009475	02/10/24	2327	02/11/24	1715	-29	-9	DA	✓				A -08

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
<i>Cody Rhoades</i>	2/12/24 0830	<i>Raynell White</i>	2/12/24 0830	<i>James</i> 2-14-24 0900
<i>Raynell White</i>	2/12/24 0945	<i>FEDEX</i>	2/12/24 0945	

SDG # MTWA0210MC

February 15, 2024

CTEH - ER

Sample Delivery Group: L1705511

Samples Received: 02/14/2024

Project Number: 032692

Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0211MC001 L1705511-01 Air

				Collected by DA	Collected date/time 02/12/24 11:08	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226982	1	02/15/24 12:38	02/15/24 12:38	DAH	Mt. Juliet, TN

MTWA0211MC002 L1705511-02 Air

				Collected by DA	Collected date/time 02/12/24 11:17	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226982	1	02/15/24 13:17	02/15/24 13:17	DAH	Mt. Juliet, TN

MTWA0211MC003 L1705511-03 Air

				Collected by DA	Collected date/time 02/12/24 11:30	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226982	1	02/15/24 13:56	02/15/24 13:56	DAH	Mt. Juliet, TN

MTWA0211MC004 L1705511-04 Air

				Collected by DA	Collected date/time 02/12/24 11:43	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226982	1	02/15/24 14:36	02/15/24 14:36	DAH	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2226982	(LCSD) R4034266-3, L1705511-01, 02, 03, 04	1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene and Naphthalene

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2226982	(LCS) R4034266-2, (LCSD) R4034266-3, L1705511-01, 02, 03, 04	Allyl chloride

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2226982	(LCSD) R4034266-3, L1705511-01, 02, 03, 04	1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene and Naphthalene



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilutio n	Batch
MTWA0211MC001	L1705511-01	Acetone	67-64-1	58.10	1.25	2.97	2.33	5.54		1	WG2226982
MTWA0211MC001	L1705511-01	Butane	106-97-8	58	0.200	0.474	0.619	1.47		1	WG2226982
MTWA0211MC001	L1705511-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.778	1.61		1	WG2226982
MTWA0211MC001	L1705511-01	Ethanol	64-17-5	46.10	2.50	4.71	11.8	22.2		1	WG2226982
MTWA0211MC001	L1705511-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.290	1.63		1	WG2226982
MTWA0211MC001	L1705511-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.570	2.82		1	WG2226982
MTWA0211MC001	L1705511-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.281	0.976		1	WG2226982
MTWA0211MC001	L1705511-01	Pentane	109-66-0	72.15	0.200	0.590	0.268	0.791		1	WG2226982
MTWA0211MC002	L1705511-02	Acetone	67-64-1	58.10	1.25	2.97	4.56	10.8		1	WG2226982
MTWA0211MC002	L1705511-02	Benzene	71-43-2	78.10	0.200	0.639	0.203	0.648		1	WG2226982
MTWA0211MC002	L1705511-02	Butane	106-97-8	58	0.200	0.474	1.03	2.44		1	WG2226982
MTWA0211MC002	L1705511-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.733	1.51		1	WG2226982
MTWA0211MC002	L1705511-02	Cyclohexane	110-82-7	84.20	0.200	0.689	0.894	3.08		1	WG2226982
MTWA0211MC002	L1705511-02	Ethanol	64-17-5	46.10	2.50	4.71	17.8	33.6		1	WG2226982
MTWA0211MC002	L1705511-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.284	1.60		1	WG2226982
MTWA0211MC002	L1705511-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.565	2.79		1	WG2226982
MTWA0211MC002	L1705511-02	Heptane	142-82-5	100	0.200	0.818	0.639	2.61		1	WG2226982
MTWA0211MC002	L1705511-02	n-Hexane	110-54-3	86.20	0.630	2.22	1.89	6.66		1	WG2226982
MTWA0211MC002	L1705511-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.208	0.722		1	WG2226982
MTWA0211MC002	L1705511-02	Pentane	109-66-0	72.15	0.200	0.590	2.16	6.37		1	WG2226982
MTWA0211MC002	L1705511-02	2-Propanol	67-63-0	60.10	1.25	3.07	1.73	4.25		1	WG2226982
MTWA0211MC002	L1705511-02	Toluene	108-88-3	92.10	0.500	1.88	0.816	3.07		1	WG2226982
MTWA0211MC003	L1705511-03	Acetone	67-64-1	58.10	1.25	2.97	4.57	10.9		1	WG2226982
MTWA0211MC003	L1705511-03	Benzene	71-43-2	78.10	0.200	0.639	0.220	0.703		1	WG2226982
MTWA0211MC003	L1705511-03	Butane	106-97-8	58	0.200	0.474	0.894	2.12		1	WG2226982
MTWA0211MC003	L1705511-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.771	1.59		1	WG2226982
MTWA0211MC003	L1705511-03	Ethanol	64-17-5	46.10	2.50	4.71	8.98	16.9		1	WG2226982
MTWA0211MC003	L1705511-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.298	1.67		1	WG2226982
MTWA0211MC003	L1705511-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.616	3.05		1	WG2226982
MTWA0211MC003	L1705511-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.305	1.06		1	WG2226982
MTWA0211MC003	L1705511-03	Pentane	109-66-0	72.15	0.200	0.590	0.718	2.12		1	WG2226982
MTWA0211MC003	L1705511-03	2-Propanol	67-63-0	60.10	1.25	3.07	1.54	3.79		1	WG2226982
MTWA0211MC003	L1705511-03	Toluene	108-88-3	92.10	0.500	1.88	0.676	2.55		1	WG2226982
MTWA0211MC004	L1705511-04	Acetone	67-64-1	58.10	1.25	2.97	7.19	17.1		1	WG2226982
MTWA0211MC004	L1705511-04	Benzene	71-43-2	78.10	0.200	0.639	0.238	0.760		1	WG2226982
MTWA0211MC004	L1705511-04	Butane	106-97-8	58	0.200	0.474	0.720	1.71		1	WG2226982
MTWA0211MC004	L1705511-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.758	1.57		1	WG2226982
MTWA0211MC004	L1705511-04	Ethanol	64-17-5	46.10	2.50	4.71	12.9	24.3		1	WG2226982
MTWA0211MC004	L1705511-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.280	1.57		1	WG2226982
MTWA0211MC004	L1705511-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.581	2.87		1	WG2226982
MTWA0211MC004	L1705511-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.395	1.37		1	WG2226982
MTWA0211MC004	L1705511-04	Pentane	109-66-0	72.15	0.200	0.590	0.860	2.54		1	WG2226982
MTWA0211MC004	L1705511-04	Toluene	108-88-3	92.10	0.500	1.88	0.651	2.45		1	WG2226982



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.33	5.54		1	WG2226982
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226982
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226982
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND	J4	1	WG2226982
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2226982
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226982
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226982
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226982
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226982
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226982
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226982
Butane	106-97-8	58	0.200	0.474	0.619	1.47		1	WG2226982
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226982
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226982
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226982
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226982
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226982
Chloromethane	74-87-3	50.50	0.200	0.413	0.778	1.61		1	WG2226982
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226982
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2226982
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226982
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226982
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226982
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226982
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226982
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226982
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226982
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226982
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226982
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226982
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226982
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226982
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226982
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226982
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226982
Ethanol	64-17-5	46.10	2.50	4.71	11.8	22.2		1	WG2226982
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226982
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226982
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.290	1.63		1	WG2226982
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.570	2.82		1	WG2226982
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226982
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226982
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2226982
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND	J3 J4	1	WG2226982
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2226982
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2226982
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.281	0.976		1	WG2226982
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226982
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226982
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226982
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226982
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226982
Naphthalene	91-20-3	128	0.630	3.30	ND	ND	J3 J4	1	WG2226982
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226982
Pentane	109-66-0	72.15	0.200	0.590	0.268	0.791		1	WG2226982
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2226982



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226982
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226982
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226982
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226982
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226982
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2226982
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND	J3 J4	1	WG2226982
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226982
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226982
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226982
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226982
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226982
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2226982
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226982
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226982
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226982
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226982
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226982
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		100				WG2226982

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.56	10.8		1	WG2226982
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226982
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226982
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND	J4	1	WG2226982
Benzene	71-43-2	78.10	0.200	0.639	0.203	0.648		1	WG2226982
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226982
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226982
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226982
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226982
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226982
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226982
Butane	106-97-8	58	0.200	0.474	1.03	2.44		1	WG2226982
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226982
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226982
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226982
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226982
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226982
Chloromethane	74-87-3	50.50	0.200	0.413	0.733	1.51		1	WG2226982
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226982
Cyclohexane	110-82-7	84.20	0.200	0.689	0.894	3.08		1	WG2226982
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226982
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226982
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226982
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226982
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226982
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226982
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226982
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226982
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226982
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226982
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226982
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226982
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226982
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226982
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226982
Ethanol	64-17-5	46.10	2.50	4.71	17.8	33.6		1	WG2226982
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226982
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226982
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.284	1.60		1	WG2226982
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.565	2.79		1	WG2226982
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226982
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226982
Heptane	142-82-5	100	0.200	0.818	0.639	2.61		1	WG2226982
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND	J3 J4	1	WG2226982
n-Hexane	110-54-3	86.20	0.630	2.22	1.89	6.66		1	WG2226982
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2226982
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.208	0.722		1	WG2226982
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226982
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226982
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226982
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226982
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226982
Naphthalene	91-20-3	128	0.630	3.30	ND	ND	J3 J4	1	WG2226982
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226982
Pentane	109-66-0	72.15	0.200	0.590	2.16	6.37		1	WG2226982
2-Propanol	67-63-0	60.10	1.25	3.07	1.73	4.25		1	WG2226982



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226982
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226982
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226982
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226982
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226982
Toluene	108-88-3	92.10	0.500	1.88	0.816	3.07		1	WG2226982
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND	J3 J4	1	WG2226982
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226982
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226982
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226982
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226982
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226982
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2226982
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226982
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226982
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226982
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226982
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226982
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		93.0				WG2226982

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.57	10.9		1	WG2226982
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226982
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226982
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND	J4	1	WG2226982
Benzene	71-43-2	78.10	0.200	0.639	0.220	0.703		1	WG2226982
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226982
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226982
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226982
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226982
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226982
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226982
Butane	106-97-8	58	0.200	0.474	0.894	2.12		1	WG2226982
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226982
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226982
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226982
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226982
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226982
Chloromethane	74-87-3	50.50	0.200	0.413	0.771	1.59		1	WG2226982
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226982
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2226982
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226982
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226982
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226982
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226982
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226982
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226982
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226982
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226982
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226982
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226982
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226982
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226982
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226982
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226982
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226982
Ethanol	64-17-5	46.10	2.50	4.71	8.98	16.9		1	WG2226982
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226982
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226982
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.298	1.67		1	WG2226982
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.616	3.05		1	WG2226982
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226982
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226982
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2226982
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND	J3 J4	1	WG2226982
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2226982
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2226982
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.305	1.06		1	WG2226982
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226982
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226982
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226982
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226982
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226982
Naphthalene	91-20-3	128	0.630	3.30	ND	ND	J3 J4	1	WG2226982
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226982
Pentane	109-66-0	72.15	0.200	0.590	0.718	2.12		1	WG2226982
2-Propanol	67-63-0	60.10	1.25	3.07	1.54	3.79		1	WG2226982

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226982
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226982
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226982
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226982
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226982
Toluene	108-88-3	92.10	0.500	1.88	0.676	2.55		1	WG2226982
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND	J3 J4	1	WG2226982
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226982
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226982
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226982
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226982
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226982
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2226982
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226982
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226982
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226982
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226982
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226982
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		100				WG2226982

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.19	17.1		1	WG2226982
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226982
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226982
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND	J4	1	WG2226982
Benzene	71-43-2	78.10	0.200	0.639	0.238	0.760		1	WG2226982
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226982
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226982
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226982
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226982
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226982
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226982
Butane	106-97-8	58	0.200	0.474	0.720	1.71		1	WG2226982
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226982
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226982
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226982
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226982
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226982
Chloromethane	74-87-3	50.50	0.200	0.413	0.758	1.57		1	WG2226982
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226982
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2226982
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226982
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226982
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226982
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226982
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226982
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226982
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226982
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226982
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226982
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226982
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226982
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226982
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226982
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226982
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226982
Ethanol	64-17-5	46.10	2.50	4.71	12.9	24.3		1	WG2226982
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226982
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226982
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.280	1.57		1	WG2226982
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.581	2.87		1	WG2226982
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226982
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226982
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2226982
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND	J3 J4	1	WG2226982
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2226982
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2226982
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.395	1.37		1	WG2226982
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226982
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226982
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226982
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226982
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226982
Naphthalene	91-20-3	128	0.630	3.30	ND	ND	J3 J4	1	WG2226982
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226982
Pentane	109-66-0	72.15	0.200	0.590	0.860	2.54		1	WG2226982
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2226982



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226982
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226982
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226982
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226982
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226982
Toluene	108-88-3	92.10	0.500	1.88	0.651	2.45		1	WG2226982
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND	J3 J4	1	WG2226982
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226982
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226982
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226982
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226982
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226982
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2226982
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226982
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226982
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226982
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226982
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226982
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.6				WG2226982

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4034266-1 02/15/24 10:13

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4034266-1 02/15/24 10:13

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	91.9			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4034266-2 02/15/24 10:54 • (LCSD) R4034266-3 02/15/24 11:33

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	4.28	4.25	114	113	70.0-130			0.703	25
Acetonitrile	18.8	22.0	22.2	117	118	70.0-130			0.905	25
Acrylonitrile	3.75	3.85	4.00	103	107	70.0-130			3.82	25
Allyl chloride	3.75	5.38	5.36	143	143	70.0-130	J4	J4	0.372	25
Benzene	3.75	4.51	4.46	120	119	70.0-130			1.11	25
Benzyl Chloride	3.75	4.15	4.17	111	111	70.0-152			0.481	25
Bromodichloromethane	3.75	4.45	4.40	119	117	70.0-130			1.13	25
Bromoform	3.75	4.00	3.96	107	106	70.0-130			1.01	25
Bromomethane	3.75	4.49	4.42	120	118	70.0-130			1.57	25
Bromoethane	3.75	4.52	4.34	121	116	70.0-130			4.06	25
1,3-Butadiene	3.75	3.79	3.62	101	96.5	70.0-130			4.59	25
Butane	3.75	4.35	4.17	116	111	70.0-130			4.23	25
Carbon disulfide	3.75	4.35	4.34	116	116	70.0-130			0.230	25
Carbon tetrachloride	3.75	4.59	4.55	122	121	70.0-130			0.875	25
Chlorobenzene	3.75	4.37	4.28	117	114	70.0-130			2.08	25
Chloroethane	3.75	4.47	4.46	119	119	70.0-130			0.224	25
Chloroform	3.75	4.54	4.50	121	120	70.0-130			0.885	25
Chloromethane	3.75	4.45	4.37	119	117	70.0-130			1.81	25
2-Chlorotoluene	3.75	4.27	4.26	114	114	70.0-130			0.234	25
Cyclohexane	3.75	4.63	4.63	123	123	70.0-130			0.000	25
n-Decane	3.75	4.38	4.29	117	114	70.0-130			2.08	25
Dibromochloromethane	3.75	4.21	4.22	112	113	70.0-130			0.237	25
1,2-Dibromoethane	3.75	4.22	4.17	113	111	70.0-130			1.19	25
1,2-Dichlorobenzene	3.75	4.09	4.14	109	110	70.0-130			1.22	25
1,3-Dichlorobenzene	3.75	4.15	4.16	111	111	70.0-130			0.241	25
1,4-Dichlorobenzene	3.75	4.18	4.20	111	112	70.0-130			0.477	25
1,2-Dichloroethane	3.75	4.41	4.39	118	117	70.0-130			0.455	25
1,1-Dichloroethane	3.75	4.61	4.53	123	121	70.0-130			1.75	25
1,1-Dichloroethene	3.75	4.44	4.44	118	118	70.0-130			0.000	25
cis-1,2-Dichloroethene	3.75	4.39	4.46	117	119	70.0-130			1.58	25
trans-1,2-Dichloroethene	3.75	4.43	4.46	118	119	70.0-130			0.675	25
1,2-Dichloropropane	3.75	4.50	4.55	120	121	70.0-130			1.10	25
cis-1,3-Dichloropropene	3.75	4.13	4.16	110	111	70.0-130			0.724	25
trans-1,3-Dichloropropene	3.75	4.05	4.12	108	110	70.0-130			1.71	25
1,4-Dioxane	3.75	4.08	4.13	109	110	70.0-140			1.22	25
Ethanol	3.75	3.79	3.95	101	105	55.0-148			4.13	25
Ethylbenzene	3.75	4.29	4.29	114	114	70.0-130			0.000	25
4-Ethyltoluene	3.75	4.27	4.26	114	114	70.0-130			0.234	25
Trichlorofluoromethane	3.75	4.57	4.51	122	120	70.0-130			1.32	25
Dichlorodifluoromethane	3.75	4.64	4.58	124	122	64.0-139			1.30	25

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Sc

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

(LCS) R4034266-2 02/15/24 10:54 • (LCSD) R4034266-3 02/15/24 11:33

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.60	4.48	123	119	70.0-130			2.64	25
1,2-Dichlorotetrafluoroethane	3.75	4.53	4.52	121	121	70.0-130			0.221	25
Heptane	3.75	4.53	4.86	121	130	70.0-130			7.03	25
Hexachloro-1,3-butadiene	3.75	4.04	U	108	0.000	70.0-151		J3 J4	200	25
n-Hexane	3.75	4.53	4.59	121	122	70.0-130			1.32	25
Isopropylbenzene	3.75	4.41	4.41	118	118	70.0-130			0.000	25
Methylene Chloride	3.75	4.65	4.59	124	122	70.0-130			1.30	25
Methyl Butyl Ketone	3.75	4.21	4.22	112	113	70.0-149			0.237	25
2-Butanone (MEK)	3.75	4.39	4.39	117	117	70.0-130			0.000	25
4-Methyl-2-pentanone (MIBK)	3.75	4.32	4.33	115	115	70.0-139			0.231	25
Methyl methacrylate	3.75	4.09	4.11	109	110	70.0-130			0.488	25
MTBE	3.75	4.30	4.34	115	116	70.0-130			0.926	25
Naphthalene	3.75	3.79	U	101	0.000	70.0-159		J3 J4	200	25
Nonane	3.75	4.51	4.47	120	119	70.0-130			0.891	25
Pentane	3.75	4.54	4.49	121	120	70.0-130			1.11	25
2-Propanol	3.75	4.34	4.28	116	114	70.0-139			1.39	25
Propene	3.75	4.18	4.20	111	112	64.0-144			0.477	25
Styrene	3.75	4.16	4.18	111	111	70.0-130			0.480	25
1,1,2,2-Tetrachloroethane	3.75	4.22	4.22	113	113	70.0-130			0.000	25
Tetrachloroethylene	3.75	4.53	4.44	121	118	70.0-130			2.01	25
Tetrahydrofuran	3.75	4.40	4.35	117	116	70.0-137			1.14	25
Toluene	3.75	4.30	4.29	115	114	70.0-130			0.233	25
1,2,4-Trichlorobenzene	3.75	4.19	U	112	0.000	70.0-160		J3 J4	200	25
1,1,1-Trichloroethane	3.75	4.62	4.58	123	122	70.0-130			0.870	25
1,1,2-Trichloroethane	3.75	4.33	4.32	115	115	70.0-130			0.231	25
Trichloroethylene	3.75	4.47	4.39	119	117	70.0-130			1.81	25
1,2,4-Trimethylbenzene	3.75	4.21	4.29	112	114	70.0-130			1.88	25
1,3,5-Trimethylbenzene	3.75	4.34	4.30	116	115	70.0-130			0.926	25
2,2,4-Trimethylpentane	3.75	4.62	4.59	123	122	70.0-130			0.651	25
Vinyl chloride	3.75	4.16	4.02	111	107	70.0-130			3.42	25
Vinyl Bromide	3.75	4.46	4.42	119	118	70.0-130			0.901	25
Vinyl acetate	3.75	4.29	4.06	114	108	70.0-130			5.51	25
m&p-Xylene	7.50	8.66	8.60	115	115	70.0-130			0.695	25
o-Xylene	3.75	4.31	4.27	115	114	70.0-130			0.932	25
(S) 1,4-Bromofluorobenzene				97.8	97.6	60.0-140				

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GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



CTEH - ER

Sample Delivery Group: L1705512

Samples Received: 02/14/2024

Project Number: 032692

Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

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

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0212MC001 L1705512-01 Air

				Collected by DA	Collected date/time 02/13/24 05:02	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226977	1	02/15/24 11:45	02/15/24 11:45	SDS	Mt. Juliet, TN

MTWA0212MC002 L1705512-02 Air

				Collected by DA	Collected date/time 02/13/24 04:45	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226977	1	02/15/24 12:13	02/15/24 12:13	SDS	Mt. Juliet, TN

MTWA0212MC003 L1705512-03 Air

				Collected by DA	Collected date/time 02/13/24 04:32	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226977	1	02/15/24 12:42	02/15/24 12:42	SDS	Mt. Juliet, TN

MTWA0212MC003CL L1705512-04 Air

				Collected by DA	Collected date/time 02/13/24 04:29	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226977	1	02/15/24 13:12	02/15/24 13:12	SDS	Mt. Juliet, TN

MTWA0212MC004 L1705512-05 Air

				Collected by DA	Collected date/time 02/13/24 05:15	Received date/time 02/14/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2226977	1	02/15/24 13:40	02/15/24 13:40	SDS	Mt. Juliet, TN



CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2226977	L1705512-02	Ethanol



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilutio n	Batch
MTWA0212MC001	L1705512-01	Acetone	67-64-1	58.10	1.25	2.97	5.51	13.1		1	WG2226977
MTWA0212MC001	L1705512-01	Benzene	71-43-2	78.10	0.200	0.639	0.247	0.789		1	WG2226977
MTWA0212MC001	L1705512-01	Butane	106-97-8	58	0.200	0.474	3.14	7.45		1	WG2226977
MTWA0212MC001	L1705512-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.649	1.34		1	WG2226977
MTWA0212MC001	L1705512-01	Cyclohexane	110-82-7	84.20	0.200	0.689	0.225	0.775		1	WG2226977
MTWA0212MC001	L1705512-01	Ethanol	64-17-5	46.10	2.50	4.71	34.5	65.0		1	WG2226977
MTWA0212MC001	L1705512-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.274	1.54		1	WG2226977
MTWA0212MC001	L1705512-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.528	2.61		1	WG2226977
MTWA0212MC001	L1705512-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.238	0.826		1	WG2226977
MTWA0212MC001	L1705512-01	Pentane	109-66-0	72.15	0.200	0.590	1.05	3.10		1	WG2226977
MTWA0212MC001	L1705512-01	2-Propanol	67-63-0	60.10	1.25	3.07	1.32	3.24		1	WG2226977
MTWA0212MC001	L1705512-01	Toluene	108-88-3	92.10	0.500	1.88	1.19	4.48		1	WG2226977
MTWA0212MC001	L1705512-01	2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.211	0.986		1	WG2226977
MTWA0212MC002	L1705512-02	Acetone	67-64-1	58.10	1.25	2.97	8.14	19.3		1	WG2226977
MTWA0212MC002	L1705512-02	Acetonitrile	75-05-8	41.05	5.00	8.39	13.2	22.2		1	WG2226977
MTWA0212MC002	L1705512-02	Butane	106-97-8	58	0.200	0.474	6.20	14.7		1	WG2226977
MTWA0212MC002	L1705512-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.591	1.22		1	WG2226977
MTWA0212MC002	L1705512-02	Ethanol	64-17-5	46.10	2.50	4.71	191	360	E	1	WG2226977
MTWA0212MC002	L1705512-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.226	1.27		1	WG2226977
MTWA0212MC002	L1705512-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.547	2.71		1	WG2226977
MTWA0212MC002	L1705512-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	9.15	31.8		1	WG2226977
MTWA0212MC002	L1705512-02	Pentane	109-66-0	72.15	0.200	0.590	3.12	9.21		1	WG2226977
MTWA0212MC002	L1705512-02	2-Propanol	67-63-0	60.10	1.25	3.07	16.4	40.3		1	WG2226977
MTWA0212MC002	L1705512-02	Toluene	108-88-3	92.10	0.500	1.88	0.672	2.53		1	WG2226977
MTWA0212MC003	L1705512-03	Acetone	67-64-1	58.10	1.25	2.97	4.92	11.7		1	WG2226977
MTWA0212MC003	L1705512-03	Benzene	71-43-2	78.10	0.200	0.639	0.208	0.664		1	WG2226977
MTWA0212MC003	L1705512-03	Butane	106-97-8	58	0.200	0.474	0.996	2.36		1	WG2226977
MTWA0212MC003	L1705512-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.572	1.18		1	WG2226977
MTWA0212MC003	L1705512-03	Ethanol	64-17-5	46.10	2.50	4.71	13.4	25.3		1	WG2226977
MTWA0212MC003	L1705512-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.254	1.43		1	WG2226977
MTWA0212MC003	L1705512-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.529	2.62		1	WG2226977
MTWA0212MC003	L1705512-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.240	0.833		1	WG2226977
MTWA0212MC003	L1705512-03	Pentane	109-66-0	72.15	0.200	0.590	1.85	5.46		1	WG2226977
MTWA0212MC003	L1705512-03	Toluene	108-88-3	92.10	0.500	1.88	0.684	2.58		1	WG2226977
MTWA0212MC003	L1705512-03	2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.251	1.17		1	WG2226977
MTWA0212MC003CL	L1705512-04	Acetone	67-64-1	58.10	1.25	2.97	3.61	8.58		1	WG2226977
MTWA0212MC003CL	L1705512-04	Butane	106-97-8	58	0.200	0.474	1.06	2.51		1	WG2226977
MTWA0212MC003CL	L1705512-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.499	1.03		1	WG2226977
MTWA0212MC003CL	L1705512-04	Ethanol	64-17-5	46.10	2.50	4.71	20.1	37.9		1	WG2226977
MTWA0212MC003CL	L1705512-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.223	1.25		1	WG2226977
MTWA0212MC003CL	L1705512-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.465	2.30		1	WG2226977
MTWA0212MC003CL	L1705512-04	n-Hexane	110-54-3	86.20	0.630	2.22	2.49	8.78		1	WG2226977
MTWA0212MC003CL	L1705512-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.754	2.62		1	WG2226977
MTWA0212MC003CL	L1705512-04	Pentane	109-66-0	72.15	0.200	0.590	0.991	2.92		1	WG2226977
MTWA0212MC003CL	L1705512-04	2-Propanol	67-63-0	60.10	1.25	3.07	1.82	4.47		1	WG2226977
MTWA0212MC003CL	L1705512-04	Toluene	108-88-3	92.10	0.500	1.88	0.628	2.37		1	WG2226977
MTWA0212MC004	L1705512-05	Acetone	67-64-1	58.10	1.25	2.97	7.05	16.8		1	WG2226977
MTWA0212MC004	L1705512-05	Butane	106-97-8	58	0.200	0.474	0.995	2.36		1	WG2226977
MTWA0212MC004	L1705512-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.519	1.07		1	WG2226977
MTWA0212MC004	L1705512-05	Ethanol	64-17-5	46.10	2.50	4.71	21.2	40.0		1	WG2226977
MTWA0212MC004	L1705512-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.242	1.36		1	WG2226977
MTWA0212MC004	L1705512-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.503	2.49		1	WG2226977
MTWA0212MC004	L1705512-05	Pentane	109-66-0	72.15	0.200	0.590	0.512	1.51		1	WG2226977
MTWA0212MC004	L1705512-05	2-Propanol	67-63-0	60.10	1.25	3.07	1.66	4.08		1	WG2226977
MTWA0212MC004	L1705512-05	Toluene	108-88-3	92.10	0.500	1.88	0.931	3.51		1	WG2226977



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.51	13.1		1	WG2226977
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226977
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226977
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2226977
Benzene	71-43-2	78.10	0.200	0.639	0.247	0.789		1	WG2226977
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226977
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226977
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226977
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226977
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226977
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226977
Butane	106-97-8	58	0.200	0.474	3.14	7.45		1	WG2226977
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226977
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226977
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226977
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226977
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226977
Chloromethane	74-87-3	50.50	0.200	0.413	0.649	1.34		1	WG2226977
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226977
Cyclohexane	110-82-7	84.20	0.200	0.689	0.225	0.775		1	WG2226977
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226977
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226977
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226977
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226977
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226977
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226977
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226977
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226977
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226977
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226977
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226977
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226977
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226977
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226977
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226977
Ethanol	64-17-5	46.10	2.50	4.71	34.5	65.0		1	WG2226977
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226977
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226977
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.274	1.54		1	WG2226977
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.528	2.61		1	WG2226977
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226977
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226977
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2226977
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2226977
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2226977
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2226977
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.238	0.826		1	WG2226977
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226977
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226977
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226977
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226977
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226977
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2226977
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226977
Pentane	109-66-0	72.15	0.200	0.590	1.05	3.10		1	WG2226977
2-Propanol	67-63-0	60.10	1.25	3.07	1.32	3.24		1	WG2226977



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226977
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226977
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226977
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226977
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226977
Toluene	108-88-3	92.10	0.500	1.88	1.19	4.48		1	WG2226977
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2226977
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226977
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226977
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226977
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226977
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226977
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.211	0.986		1	WG2226977
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226977
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226977
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226977
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226977
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226977
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.0				WG2226977

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	8.14	19.3		1	WG2226977
Acetonitrile	75-05-8	41.05	5.00	8.39	13.2	22.2		1	WG2226977
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226977
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2226977
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2226977
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226977
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226977
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226977
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226977
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226977
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226977
Butane	106-97-8	58	0.200	0.474	6.20	14.7		1	WG2226977
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226977
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226977
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226977
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226977
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226977
Chloromethane	74-87-3	50.50	0.200	0.413	0.591	1.22		1	WG2226977
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226977
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2226977
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226977
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226977
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226977
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226977
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226977
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226977
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226977
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226977
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226977
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226977
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226977
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226977
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226977
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226977
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226977
Ethanol	64-17-5	46.10	2.50	4.71	191	360	E	1	WG2226977
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226977
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226977
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.226	1.27		1	WG2226977
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.547	2.71		1	WG2226977
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226977
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226977
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2226977
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2226977
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2226977
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2226977
Methylene Chloride	75-09-2	84.90	0.200	0.694	9.15	31.8		1	WG2226977
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226977
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226977
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226977
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226977
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226977
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2226977
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226977
Pentane	109-66-0	72.15	0.200	0.590	3.12	9.21		1	WG2226977
2-Propanol	67-63-0	60.10	1.25	3.07	16.4	40.3		1	WG2226977



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226977
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226977
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226977
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226977
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226977
Toluene	108-88-3	92.10	0.500	1.88	0.672	2.53		1	WG2226977
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2226977
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226977
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226977
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226977
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226977
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226977
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2226977
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226977
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226977
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226977
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226977
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226977
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.7				WG2226977

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.92	11.7		1	WG2226977
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226977
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226977
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2226977
Benzene	71-43-2	78.10	0.200	0.639	0.208	0.664		1	WG2226977
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226977
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226977
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226977
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226977
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226977
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226977
Butane	106-97-8	58	0.200	0.474	0.996	2.36		1	WG2226977
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226977
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226977
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226977
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226977
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226977
Chloromethane	74-87-3	50.50	0.200	0.413	0.572	1.18		1	WG2226977
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226977
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2226977
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226977
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226977
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226977
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226977
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226977
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226977
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226977
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226977
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226977
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226977
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226977
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226977
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226977
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226977
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226977
Ethanol	64-17-5	46.10	2.50	4.71	13.4	25.3		1	WG2226977
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226977
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226977
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.254	1.43		1	WG2226977
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.529	2.62		1	WG2226977
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226977
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226977
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2226977
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2226977
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2226977
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2226977
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.240	0.833		1	WG2226977
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226977
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226977
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226977
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226977
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226977
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2226977
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226977
Pentane	109-66-0	72.15	0.200	0.590	1.85	5.46		1	WG2226977
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2226977

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226977
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226977
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226977
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226977
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226977
Toluene	108-88-3	92.10	0.500	1.88	0.684	2.58		1	WG2226977
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2226977
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226977
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226977
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226977
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226977
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226977
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.251	1.17		1	WG2226977
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226977
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226977
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226977
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226977
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226977
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.7				WG2226977

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.61	8.58		1	WG2226977
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226977
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226977
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2226977
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2226977
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226977
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226977
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226977
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226977
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226977
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226977
Butane	106-97-8	58	0.200	0.474	1.06	2.51		1	WG2226977
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226977
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226977
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226977
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226977
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226977
Chloromethane	74-87-3	50.50	0.200	0.413	0.499	1.03		1	WG2226977
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226977
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2226977
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226977
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226977
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226977
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226977
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226977
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226977
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226977
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226977
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226977
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226977
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226977
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226977
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226977
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226977
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226977
Ethanol	64-17-5	46.10	2.50	4.71	20.1	37.9		1	WG2226977
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226977
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226977
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.223	1.25		1	WG2226977
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.465	2.30		1	WG2226977
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226977
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226977
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2226977
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2226977
n-Hexane	110-54-3	86.20	0.630	2.22	2.49	8.78		1	WG2226977
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2226977
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.754	2.62		1	WG2226977
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226977
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226977
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226977
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226977
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226977
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2226977
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226977
Pentane	109-66-0	72.15	0.200	0.590	0.991	2.92		1	WG2226977
2-Propanol	67-63-0	60.10	1.25	3.07	1.82	4.47		1	WG2226977



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226977
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226977
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226977
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226977
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226977
Toluene	108-88-3	92.10	0.500	1.88	0.628	2.37		1	WG2226977
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2226977
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226977
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226977
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226977
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226977
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226977
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2226977
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226977
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226977
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226977
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226977
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226977
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		107				WG2226977

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	1.25	2.97	7.05	16.8		1	WG2226977
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2226977
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2226977
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2226977
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2226977
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2226977
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2226977
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2226977
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2226977
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2226977
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2226977
Butane	106-97-8	58	0.200	0.474	0.995	2.36		1	WG2226977
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2226977
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2226977
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2226977
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2226977
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2226977
Chloromethane	74-87-3	50.50	0.200	0.413	0.519	1.07		1	WG2226977
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2226977
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2226977
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2226977
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2226977
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2226977
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2226977
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2226977
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2226977
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2226977
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2226977
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2226977
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2226977
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2226977
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2226977
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2226977
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2226977
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2226977
Ethanol	64-17-5	46.10	2.50	4.71	21.2	40.0		1	WG2226977
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2226977
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2226977
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.242	1.36		1	WG2226977
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.503	2.49		1	WG2226977
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2226977
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2226977
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2226977
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2226977
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2226977
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2226977
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2226977
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2226977
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2226977
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2226977
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2226977
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2226977
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2226977
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2226977
Pentane	109-66-0	72.15	0.200	0.590	0.512	1.51		1	WG2226977
2-Propanol	67-63-0	60.10	1.25	3.07	1.66	4.08		1	WG2226977

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2226977
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2226977
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2226977
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2226977
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2226977
Toluene	108-88-3	92.10	0.500	1.88	0.931	3.51		1	WG2226977
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2226977
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2226977
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2226977
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2226977
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2226977
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2226977
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2226977
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2226977
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2226977
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2226977
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2226977
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2226977
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.7				WG2226977

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4034215-1 02/15/24 09:43

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4034215-1 02/15/24 09:43

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	101			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4034215-2 02/15/24 10:13 • (LCSD) R4034215-3 02/15/24 10:43

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	3.65	3.59	97.3	95.7	70.0-130			1.66	25
Acetonitrile	18.8	18.3	18.5	97.3	98.4	70.0-130			1.09	25
Acrylonitrile	3.75	3.94	3.68	105	98.1	70.0-130			6.82	25
Allyl chloride	3.75	3.94	3.85	105	103	70.0-130			2.31	25
Benzene	3.75	4.14	4.09	110	109	70.0-130			1.22	25
Benzyl Chloride	3.75	3.43	3.26	91.5	86.9	70.0-152			5.08	25
Bromodichloromethane	3.75	3.51	3.42	93.6	91.2	70.0-130			2.60	25
Bromoform	3.75	2.79	2.84	74.4	75.7	70.0-130			1.78	25
Bromomethane	3.75	4.11	3.90	110	104	70.0-130			5.24	25
Bromoethane	3.75	4.27	4.05	114	108	70.0-130			5.29	25
1,3-Butadiene	3.75	3.79	3.73	101	99.5	70.0-130			1.60	25
Butane	3.75	3.94	3.69	105	98.4	70.0-130			6.55	25
Carbon disulfide	3.75	4.15	4.03	111	107	70.0-130			2.93	25
Carbon tetrachloride	3.75	3.40	3.15	90.7	84.0	70.0-130			7.63	25
Chlorobenzene	3.75	3.98	3.95	106	105	70.0-130			0.757	25
Chloroethane	3.75	3.75	3.85	100	103	70.0-130			2.63	25
Chloroform	3.75	3.90	3.83	104	102	70.0-130			1.81	25
Chloromethane	3.75	3.83	3.48	102	92.8	70.0-130			9.58	25
2-Chlorotoluene	3.75	4.04	4.03	108	107	70.0-130			0.248	25
Cyclohexane	3.75	4.24	4.08	113	109	70.0-130			3.85	25
n-Decane	3.75	3.28	3.09	87.5	82.4	70.0-130			5.97	25
Dibromochloromethane	3.75	3.26	3.13	86.9	83.5	70.0-130			4.07	25
1,2-Dibromoethane	3.75	3.89	4.03	104	107	70.0-130			3.54	25
1,2-Dichlorobenzene	3.75	3.89	3.58	104	95.5	70.0-130			8.30	25
1,3-Dichlorobenzene	3.75	3.62	3.56	96.5	94.9	70.0-130			1.67	25
1,4-Dichlorobenzene	3.75	3.69	3.59	98.4	95.7	70.0-130			2.75	25
1,2-Dichloroethane	3.75	3.70	3.58	98.7	95.5	70.0-130			3.30	25
1,1-Dichloroethane	3.75	4.06	4.04	108	108	70.0-130			0.494	25
1,1-Dichloroethene	3.75	4.00	3.68	107	98.1	70.0-130			8.33	25
cis-1,2-Dichloroethene	3.75	3.81	3.65	102	97.3	70.0-130			4.29	25
trans-1,2-Dichloroethene	3.75	3.93	3.93	105	105	70.0-130			0.000	25
1,2-Dichloropropane	3.75	3.83	3.89	102	104	70.0-130			1.55	25
cis-1,3-Dichloropropene	3.75	3.67	4.13	97.9	110	70.0-130			11.8	25
trans-1,3-Dichloropropene	3.75	3.90	4.02	104	107	70.0-130			3.03	25
1,4-Dioxane	3.75	4.05	3.51	108	93.6	70.0-140			14.3	25
Ethanol	3.75	3.13	3.25	83.5	86.7	55.0-148			3.76	25
Ethylbenzene	3.75	4.20	4.35	112	116	70.0-130			3.51	25
4-Ethyltoluene	3.75	3.76	4.30	100	115	70.0-130			13.4	25
Trichlorofluoromethane	3.75	3.94	3.80	105	101	70.0-130			3.62	25
Dichlorodifluoromethane	3.75	3.94	3.92	105	105	64.0-139			0.509	25

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4034215-2 02/15/24 10:13 • (LCSD) R4034215-3 02/15/24 10:43

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.23	4.12	113	110	70.0-130			2.63	25
1,2-Dichlorotetrafluoroethane	3.75	3.96	3.78	106	101	70.0-130			4.65	25
Heptane	3.75	3.49	3.25	93.1	86.7	70.0-130			7.12	25
Hexachloro-1,3-butadiene	3.75	3.67	3.64	97.9	97.1	70.0-151			0.821	25
n-Hexane	3.75	3.87	3.90	103	104	70.0-130			0.772	25
Isopropylbenzene	3.75	4.15	4.32	111	115	70.0-130			4.01	25
Methylene Chloride	3.75	3.86	3.62	103	96.5	70.0-130			6.42	25
Methyl Butyl Ketone	3.75	3.77	3.64	101	97.1	70.0-149			3.51	25
2-Butanone (MEK)	3.75	3.94	4.28	105	114	70.0-130			8.27	25
4-Methyl-2-pentanone (MIBK)	3.75	3.77	3.66	101	97.6	70.0-139			2.96	25
Methyl methacrylate	3.75	3.70	3.64	98.7	97.1	70.0-130			1.63	25
MTBE	3.75	4.26	4.27	114	114	70.0-130			0.234	25
Naphthalene	3.75	4.21	3.97	112	106	70.0-159			5.87	25
Nonane	3.75	3.83	3.70	102	98.7	70.0-130			3.45	25
Pentane	3.75	3.83	3.57	102	95.2	70.0-130			7.03	25
2-Propanol	3.75	3.95	3.55	105	94.7	70.0-139			10.7	25
Propene	3.75	3.97	3.71	106	98.9	64.0-144			6.77	25
Styrene	3.75	4.18	4.29	111	114	70.0-130			2.60	25
1,1,2,2-Tetrachloroethane	3.75	3.94	4.01	105	107	70.0-130			1.76	25
Tetrachloroethylene	3.75	4.04	3.85	108	103	70.0-130			4.82	25
Tetrahydrofuran	3.75	3.68	3.58	98.1	95.5	70.0-137			2.75	25
Toluene	3.75	4.09	3.86	109	103	70.0-130			5.79	25
1,2,4-Trichlorobenzene	3.75	3.78	3.63	101	96.8	70.0-160			4.05	25
1,1,1-Trichloroethane	3.75	3.65	3.72	97.3	99.2	70.0-130			1.90	25
1,1,2-Trichloroethane	3.75	3.88	3.64	103	97.1	70.0-130			6.38	25
Trichloroethylene	3.75	4.00	3.94	107	105	70.0-130			1.51	25
1,2,4-Trimethylbenzene	3.75	3.87	4.33	103	115	70.0-130			11.2	25
1,3,5-Trimethylbenzene	3.75	3.71	4.31	98.9	115	70.0-130			15.0	25
2,2,4-Trimethylpentane	3.75	3.94	3.53	105	94.1	70.0-130			11.0	25
Vinyl chloride	3.75	3.97	3.88	106	103	70.0-130			2.29	25
Vinyl Bromide	3.75	4.06	3.94	108	105	70.0-130			3.00	25
Vinyl acetate	3.75	3.50	3.52	93.3	93.9	70.0-130			0.570	25
m&p-Xylene	7.50	8.32	7.77	111	104	70.0-130			6.84	25
o-Xylene	3.75	4.17	4.27	111	114	70.0-130			2.37	25
(S) 1,4-Bromofluorobenzene				97.9	101	60.0-140				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



CTEH - ER

Sample Delivery Group: L1706361

Samples Received: 02/16/2024

Project Number: 032692

Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0213MC001 L1706361-01 Air

				Collected by DA	Collected date/time 02/13/24 22:33	Received date/time 02/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2227715	1	02/16/24 11:27	02/16/24 11:27	DAH	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

MTWA0213MC002 L1706361-02 Air

				Collected by DA	Collected date/time 02/13/24 22:47	Received date/time 02/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2227715	1	02/16/24 11:56	02/16/24 11:56	DAH	Mt. Juliet, TN

MTWA0213MC003 L1706361-03 Air

				Collected by DA	Collected date/time 02/13/24 23:02	Received date/time 02/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2227715	1	02/16/24 12:26	02/16/24 12:26	DAH	Mt. Juliet, TN

MTWA0213MC004 L1706361-04 Air

				Collected by DA	Collected date/time 02/13/24 23:11	Received date/time 02/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2227715	1	02/16/24 12:55	02/16/24 12:55	DAH	Mt. Juliet, TN

MTWA0213MC001B L1706361-05 Air

				Collected by DA	Collected date/time 02/13/24 16:43	Received date/time 02/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2227715	1	02/16/24 13:25	02/16/24 13:25	DAH	Mt. Juliet, TN

MTWA0213MC002B L1706361-06 Air

				Collected by DA	Collected date/time 02/13/24 16:53	Received date/time 02/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2227715	1	02/16/24 13:54	02/16/24 13:54	DAH	Mt. Juliet, TN

MTWA0213MC003B L1706361-07 Air

				Collected by DA	Collected date/time 02/13/24 17:09	Received date/time 02/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2227715	1	02/16/24 14:24	02/16/24 14:24	DAH	Mt. Juliet, TN

MTWA0213MC004B L1706361-08 Air

				Collected by DA	Collected date/time 02/13/24 17:18	Received date/time 02/16/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2227715	1	02/16/24 14:54	02/16/24 14:54	DAH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilutio n	Batch
MTWA0213MC001	L1706361-01	Acetone	67-64-1	58.10	1.25	2.97	7.75	18.4		1	WG2227715
MTWA0213MC001	L1706361-01	Butane	106-97-8	58	0.200	0.474	0.729	1.73		1	WG2227715
MTWA0213MC001	L1706361-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.595	1.23		1	WG2227715
MTWA0213MC001	L1706361-01	Ethanol	64-17-5	46.10	2.50	4.71	42.3	79.8		1	WG2227715
MTWA0213MC001	L1706361-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.253	1.42		1	WG2227715
MTWA0213MC001	L1706361-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.492	2.43		1	WG2227715
MTWA0213MC001	L1706361-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.209	0.726		1	WG2227715
MTWA0213MC001	L1706361-01	Pentane	109-66-0	72.15	0.200	0.590	0.410	1.21		1	WG2227715
MTWA0213MC001	L1706361-01	2-Propanol	67-63-0	60.10	1.25	3.07	1.48	3.64		1	WG2227715
MTWA0213MC001	L1706361-01	Toluene	108-88-3	92.10	0.500	1.88	1.32	4.97		1	WG2227715
MTWA0213MC002	L1706361-02	Acetone	67-64-1	58.10	1.25	2.97	7.05	16.8		1	WG2227715
MTWA0213MC002	L1706361-02	Benzene	71-43-2	78.10	0.200	0.639	0.898	2.87		1	WG2227715
MTWA0213MC002	L1706361-02	Butane	106-97-8	58	0.200	0.474	0.681	1.62		1	WG2227715
MTWA0213MC002	L1706361-02	Chloromethane	74-87-3	50.50	0.200	0.413	1.99	4.11		1	WG2227715
MTWA0213MC002	L1706361-02	Ethanol	64-17-5	46.10	2.50	4.71	16.6	31.3		1	WG2227715
MTWA0213MC002	L1706361-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.234	1.31		1	WG2227715
MTWA0213MC002	L1706361-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.497	2.46		1	WG2227715
MTWA0213MC002	L1706361-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.334	1.16		1	WG2227715
MTWA0213MC002	L1706361-02	Pentane	109-66-0	72.15	0.200	0.590	0.324	0.956		1	WG2227715
MTWA0213MC002	L1706361-02	2-Propanol	67-63-0	60.10	1.25	3.07	2.37	5.83		1	WG2227715
MTWA0213MC002	L1706361-02	Toluene	108-88-3	92.10	0.500	1.88	1.43	5.39		1	WG2227715
MTWA0213MC003	L1706361-03	Acetone	67-64-1	58.10	1.25	2.97	5.48	13.0		1	WG2227715
MTWA0213MC003	L1706361-03	Butane	106-97-8	58	0.200	0.474	0.669	1.59		1	WG2227715
MTWA0213MC003	L1706361-03	Chloroform	67-66-3	119	0.200	0.973	0.237	1.15		1	WG2227715
MTWA0213MC003	L1706361-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.604	1.25		1	WG2227715
MTWA0213MC003	L1706361-03	Ethanol	64-17-5	46.10	2.50	4.71	7.34	13.8		1	WG2227715
MTWA0213MC003	L1706361-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.258	1.45		1	WG2227715
MTWA0213MC003	L1706361-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.556	2.75		1	WG2227715
MTWA0213MC003	L1706361-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.301	1.05		1	WG2227715
MTWA0213MC003	L1706361-03	Pentane	109-66-0	72.15	0.200	0.590	0.295	0.871		1	WG2227715
MTWA0213MC004	L1706361-04	Acetone	67-64-1	58.10	1.25	2.97	5.23	12.4		1	WG2227715
MTWA0213MC004	L1706361-04	Butane	106-97-8	58	0.200	0.474	0.751	1.78		1	WG2227715
MTWA0213MC004	L1706361-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.596	1.23		1	WG2227715
MTWA0213MC004	L1706361-04	Ethanol	64-17-5	46.10	2.50	4.71	12.8	24.1		1	WG2227715
MTWA0213MC004	L1706361-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.267	1.50		1	WG2227715
MTWA0213MC004	L1706361-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.529	2.62		1	WG2227715
MTWA0213MC004	L1706361-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.459	1.59		1	WG2227715
MTWA0213MC004	L1706361-04	Pentane	109-66-0	72.15	0.200	0.590	0.390	1.15		1	WG2227715
MTWA0213MC004	L1706361-04	2-Propanol	67-63-0	60.10	1.25	3.07	4.48	11.0		1	WG2227715
MTWA0213MC001B	L1706361-05	Acetone	67-64-1	58.10	1.25	2.97	6.84	16.3		1	WG2227715
MTWA0213MC001B	L1706361-05	Butane	106-97-8	58	0.200	0.474	0.852	2.02		1	WG2227715
MTWA0213MC001B	L1706361-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.630	1.30		1	WG2227715
MTWA0213MC001B	L1706361-05	Ethanol	64-17-5	46.10	2.50	4.71	11.7	22.1		1	WG2227715
MTWA0213MC001B	L1706361-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.272	1.53		1	WG2227715
MTWA0213MC001B	L1706361-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.565	2.79		1	WG2227715
MTWA0213MC001B	L1706361-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.241	0.837		1	WG2227715
MTWA0213MC001B	L1706361-05	Pentane	109-66-0	72.15	0.200	0.590	0.368	1.09		1	WG2227715
MTWA0213MC001B	L1706361-05	2-Propanol	67-63-0	60.10	1.25	3.07	1.34	3.29		1	WG2227715



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilutio n	Batch
MTWA0213MC002B	<u>L1706361-06</u>	Acetone	67-64-1	58.10	1.25	2.97	4.14	9.84		1	WG2227715
MTWA0213MC002B	<u>L1706361-06</u>	Butane	106-97-8	58	0.200	0.474	0.927	2.20		1	WG2227715
MTWA0213MC002B	<u>L1706361-06</u>	Chloromethane	74-87-3	50.50	0.200	0.413	0.616	1.27		1	WG2227715
MTWA0213MC002B	<u>L1706361-06</u>	Ethanol	64-17-5	46.10	2.50	4.71	15.7	29.6		1	WG2227715
MTWA0213MC002B	<u>L1706361-06</u>	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.256	1.44		1	WG2227715
MTWA0213MC002B	<u>L1706361-06</u>	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.533	2.64		1	WG2227715
MTWA0213MC002B	<u>L1706361-06</u>	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.235	0.816		1	WG2227715
MTWA0213MC002B	<u>L1706361-06</u>	Pentane	109-66-0	72.15	0.200	0.590	0.716	2.11		1	WG2227715
MTWA0213MC002B	<u>L1706361-06</u>	2-Propanol	67-63-0	60.10	1.25	3.07	2.57	6.32		1	WG2227715
MTWA0213MC002B	<u>L1706361-06</u>	Toluene	108-88-3	92.10	0.500	1.88	1.05	3.96		1	WG2227715
MTWA0213MC003B	<u>L1706361-07</u>	Acetone	67-64-1	58.10	1.25	2.97	4.70	11.2		1	WG2227715
MTWA0213MC003B	<u>L1706361-07</u>	Benzene	71-43-2	78.10	0.200	0.639	0.228	0.728		1	WG2227715
MTWA0213MC003B	<u>L1706361-07</u>	Butane	106-97-8	58	0.200	0.474	0.881	2.09		1	WG2227715
MTWA0213MC003B	<u>L1706361-07</u>	Chloromethane	74-87-3	50.50	0.200	0.413	0.584	1.21		1	WG2227715
MTWA0213MC003B	<u>L1706361-07</u>	Ethanol	64-17-5	46.10	2.50	4.71	14.9	28.1		1	WG2227715
MTWA0213MC003B	<u>L1706361-07</u>	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.263	1.48		1	WG2227715
MTWA0213MC003B	<u>L1706361-07</u>	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.541	2.68		1	WG2227715
MTWA0213MC003B	<u>L1706361-07</u>	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.288	1.00		1	WG2227715
MTWA0213MC003B	<u>L1706361-07</u>	Pentane	109-66-0	72.15	0.200	0.590	0.412	1.22		1	WG2227715
MTWA0213MC003B	<u>L1706361-07</u>	2-Propanol	67-63-0	60.10	1.25	3.07	2.79	6.86		1	WG2227715
MTWA0213MC003B	<u>L1706361-07</u>	Toluene	108-88-3	92.10	0.500	1.88	1.13	4.26		1	WG2227715
MTWA0213MC004B	<u>L1706361-08</u>	Acetone	67-64-1	58.10	1.25	2.97	7.12	16.9		1	WG2227715
MTWA0213MC004B	<u>L1706361-08</u>	Acrylonitrile	107-13-1	53	5.00	10.8	5.34	11.6		1	WG2227715
MTWA0213MC004B	<u>L1706361-08</u>	Benzene	71-43-2	78.10	0.200	0.639	0.269	0.859		1	WG2227715
MTWA0213MC004B	<u>L1706361-08</u>	Butane	106-97-8	58	0.200	0.474	0.934	2.22		1	WG2227715
MTWA0213MC004B	<u>L1706361-08</u>	Chloromethane	74-87-3	50.50	0.200	0.413	0.596	1.23		1	WG2227715
MTWA0213MC004B	<u>L1706361-08</u>	Ethanol	64-17-5	46.10	2.50	4.71	31.9	60.1		1	WG2227715
MTWA0213MC004B	<u>L1706361-08</u>	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.250	1.40		1	WG2227715
MTWA0213MC004B	<u>L1706361-08</u>	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.534	2.64		1	WG2227715
MTWA0213MC004B	<u>L1706361-08</u>	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.270	0.938		1	WG2227715
MTWA0213MC004B	<u>L1706361-08</u>	Pentane	109-66-0	72.15	0.200	0.590	0.497	1.47		1	WG2227715
MTWA0213MC004B	<u>L1706361-08</u>	2-Propanol	67-63-0	60.10	1.25	3.07	5.85	14.4		1	WG2227715
MTWA0213MC004B	<u>L1706361-08</u>	Toluene	108-88-3	92.10	0.500	1.88	1.59	5.99		1	WG2227715



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.75	18.4		1	WG2227715
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2227715
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2227715
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2227715
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2227715
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2227715
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2227715
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2227715
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2227715
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2227715
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2227715
Butane	106-97-8	58	0.200	0.474	0.729	1.73		1	WG2227715
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2227715
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2227715
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2227715
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2227715
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2227715
Chloromethane	74-87-3	50.50	0.200	0.413	0.595	1.23		1	WG2227715
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2227715
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2227715
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2227715
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2227715
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2227715
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2227715
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2227715
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2227715
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2227715
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2227715
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2227715
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2227715
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2227715
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2227715
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2227715
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2227715
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2227715
Ethanol	64-17-5	46.10	2.50	4.71	42.3	79.8		1	WG2227715
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2227715
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2227715
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.253	1.42		1	WG2227715
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.492	2.43		1	WG2227715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2227715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2227715
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2227715
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2227715
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2227715
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2227715
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.209	0.726		1	WG2227715
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2227715
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2227715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2227715
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2227715
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2227715
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2227715
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2227715
Pentane	109-66-0	72.15	0.200	0.590	0.410	1.21		1	WG2227715
2-Propanol	67-63-0	60.10	1.25	3.07	1.48	3.64		1	WG2227715



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2227715
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2227715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2227715
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2227715
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2227715
Toluene	108-88-3	92.10	0.500	1.88	1.32	4.97		1	WG2227715
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2227715
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2227715
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2227715
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2227715
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2227715
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2227715
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2227715
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2227715
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2227715
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2227715
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2227715
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2227715
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		93.9				WG2227715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.05	16.8		1	WG2227715
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2227715
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2227715
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2227715
Benzene	71-43-2	78.10	0.200	0.639	0.898	2.87		1	WG2227715
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2227715
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2227715
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2227715
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2227715
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2227715
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2227715
Butane	106-97-8	58	0.200	0.474	0.681	1.62		1	WG2227715
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2227715
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2227715
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2227715
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2227715
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2227715
Chloromethane	74-87-3	50.50	0.200	0.413	1.99	4.11		1	WG2227715
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2227715
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2227715
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2227715
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2227715
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2227715
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2227715
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2227715
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2227715
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2227715
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2227715
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2227715
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2227715
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2227715
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2227715
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2227715
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2227715
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2227715
Ethanol	64-17-5	46.10	2.50	4.71	16.6	31.3		1	WG2227715
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2227715
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2227715
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.234	1.31		1	WG2227715
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.497	2.46		1	WG2227715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2227715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2227715
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2227715
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2227715
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2227715
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2227715
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.334	1.16		1	WG2227715
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2227715
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2227715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2227715
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2227715
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2227715
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2227715
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2227715
Pentane	109-66-0	72.15	0.200	0.590	0.324	0.956		1	WG2227715
2-Propanol	67-63-0	60.10	1.25	3.07	2.37	5.83		1	WG2227715



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2227715
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2227715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2227715
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2227715
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2227715
Toluene	108-88-3	92.10	0.500	1.88	1.43	5.39		1	WG2227715
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2227715
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2227715
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2227715
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2227715
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2227715
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2227715
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2227715
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2227715
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2227715
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2227715
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2227715
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2227715
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.8				WG2227715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.48	13.0		1	WG2227715
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2227715
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2227715
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2227715
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2227715
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2227715
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2227715
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2227715
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2227715
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2227715
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2227715
Butane	106-97-8	58	0.200	0.474	0.669	1.59		1	WG2227715
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2227715
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2227715
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2227715
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2227715
Chloroform	67-66-3	119	0.200	0.973	0.237	1.15		1	WG2227715
Chloromethane	74-87-3	50.50	0.200	0.413	0.604	1.25		1	WG2227715
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2227715
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2227715
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2227715
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2227715
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2227715
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2227715
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2227715
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2227715
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2227715
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2227715
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2227715
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2227715
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2227715
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2227715
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2227715
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2227715
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2227715
Ethanol	64-17-5	46.10	2.50	4.71	7.34	13.8		1	WG2227715
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2227715
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2227715
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.258	1.45		1	WG2227715
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.556	2.75		1	WG2227715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2227715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2227715
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2227715
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2227715
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2227715
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2227715
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.301	1.05		1	WG2227715
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2227715
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2227715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2227715
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2227715
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2227715
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2227715
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2227715
Pentane	109-66-0	72.15	0.200	0.590	0.295	0.871		1	WG2227715
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2227715



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2227715
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2227715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2227715
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2227715
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2227715
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2227715
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2227715
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2227715
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2227715
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2227715
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2227715
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2227715
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2227715
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2227715
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2227715
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2227715
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2227715
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2227715
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.3				WG2227715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.23	12.4		1	WG2227715
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2227715
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2227715
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2227715
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2227715
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2227715
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2227715
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2227715
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2227715
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2227715
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2227715
Butane	106-97-8	58	0.200	0.474	0.751	1.78		1	WG2227715
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2227715
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2227715
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2227715
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2227715
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2227715
Chloromethane	74-87-3	50.50	0.200	0.413	0.596	1.23		1	WG2227715
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2227715
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2227715
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2227715
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2227715
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2227715
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2227715
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2227715
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2227715
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2227715
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2227715
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2227715
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2227715
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2227715
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2227715
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2227715
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2227715
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2227715
Ethanol	64-17-5	46.10	2.50	4.71	12.8	24.1		1	WG2227715
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2227715
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2227715
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.267	1.50		1	WG2227715
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.529	2.62		1	WG2227715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2227715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2227715
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2227715
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2227715
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2227715
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2227715
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.459	1.59		1	WG2227715
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2227715
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2227715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2227715
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2227715
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2227715
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2227715
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2227715
Pentane	109-66-0	72.15	0.200	0.590	0.390	1.15		1	WG2227715
2-Propanol	67-63-0	60.10	1.25	3.07	4.48	11.0		1	WG2227715



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2227715
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2227715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2227715
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2227715
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2227715
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2227715
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2227715
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2227715
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2227715
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2227715
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2227715
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2227715
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2227715
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2227715
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2227715
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2227715
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2227715
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2227715
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.9				WG2227715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.84	16.3		1	WG2227715
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2227715
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2227715
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2227715
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2227715
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2227715
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2227715
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2227715
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2227715
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2227715
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2227715
Butane	106-97-8	58	0.200	0.474	0.852	2.02		1	WG2227715
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2227715
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2227715
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2227715
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2227715
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2227715
Chloromethane	74-87-3	50.50	0.200	0.413	0.630	1.30		1	WG2227715
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2227715
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2227715
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2227715
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2227715
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2227715
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2227715
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2227715
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2227715
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2227715
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2227715
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2227715
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2227715
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2227715
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2227715
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2227715
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2227715
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2227715
Ethanol	64-17-5	46.10	2.50	4.71	11.7	22.1		1	WG2227715
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2227715
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2227715
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.272	1.53		1	WG2227715
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.565	2.79		1	WG2227715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2227715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2227715
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2227715
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2227715
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2227715
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2227715
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.241	0.837		1	WG2227715
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2227715
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2227715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2227715
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2227715
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2227715
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2227715
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2227715
Pentane	109-66-0	72.15	0.200	0.590	0.368	1.09		1	WG2227715
2-Propanol	67-63-0	60.10	1.25	3.07	1.34	3.29		1	WG2227715



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2227715
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2227715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2227715
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2227715
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2227715
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2227715
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2227715
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2227715
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2227715
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2227715
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2227715
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2227715
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2227715
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2227715
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2227715
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2227715
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2227715
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2227715
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.3				WG2227715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.14	9.84		1	WG2227715
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2227715
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2227715
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2227715
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2227715
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2227715
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2227715
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2227715
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2227715
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2227715
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2227715
Butane	106-97-8	58	0.200	0.474	0.927	2.20		1	WG2227715
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2227715
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2227715
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2227715
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2227715
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2227715
Chloromethane	74-87-3	50.50	0.200	0.413	0.616	1.27		1	WG2227715
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2227715
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2227715
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2227715
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2227715
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2227715
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2227715
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2227715
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2227715
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2227715
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2227715
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2227715
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2227715
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2227715
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2227715
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2227715
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2227715
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2227715
Ethanol	64-17-5	46.10	2.50	4.71	15.7	29.6		1	WG2227715
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2227715
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2227715
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.256	1.44		1	WG2227715
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.533	2.64		1	WG2227715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2227715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2227715
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2227715
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2227715
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2227715
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2227715
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.235	0.816		1	WG2227715
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2227715
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2227715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2227715
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2227715
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2227715
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2227715
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2227715
Pentane	109-66-0	72.15	0.200	0.590	0.716	2.11		1	WG2227715
2-Propanol	67-63-0	60.10	1.25	3.07	2.57	6.32		1	WG2227715



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2227715
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2227715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2227715
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2227715
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2227715
Toluene	108-88-3	92.10	0.500	1.88	1.05	3.96		1	WG2227715
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2227715
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2227715
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2227715
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2227715
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2227715
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2227715
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2227715
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2227715
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2227715
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2227715
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2227715
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2227715
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.0				WG2227715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.70	11.2		1	WG2227715
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2227715
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2227715
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2227715
Benzene	71-43-2	78.10	0.200	0.639	0.228	0.728		1	WG2227715
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2227715
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2227715
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2227715
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2227715
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2227715
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2227715
Butane	106-97-8	58	0.200	0.474	0.881	2.09		1	WG2227715
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2227715
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2227715
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2227715
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2227715
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2227715
Chloromethane	74-87-3	50.50	0.200	0.413	0.584	1.21		1	WG2227715
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2227715
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2227715
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2227715
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2227715
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2227715
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2227715
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2227715
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2227715
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2227715
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2227715
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2227715
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2227715
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2227715
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2227715
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2227715
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2227715
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2227715
Ethanol	64-17-5	46.10	2.50	4.71	14.9	28.1		1	WG2227715
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2227715
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2227715
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.263	1.48		1	WG2227715
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.541	2.68		1	WG2227715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2227715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2227715
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2227715
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2227715
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2227715
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2227715
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.288	1.00		1	WG2227715
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2227715
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2227715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2227715
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2227715
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2227715
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2227715
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2227715
Pentane	109-66-0	72.15	0.200	0.590	0.412	1.22		1	WG2227715
2-Propanol	67-63-0	60.10	1.25	3.07	2.79	6.86		1	WG2227715



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2227715
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2227715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2227715
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2227715
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2227715
Toluene	108-88-3	92.10	0.500	1.88	1.13	4.26		1	WG2227715
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2227715
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2227715
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2227715
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2227715
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2227715
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2227715
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2227715
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2227715
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2227715
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2227715
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2227715
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2227715
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		94.5				WG2227715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	7.12	16.9		1	WG2227715
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2227715
Acrylonitrile	107-13-1	53	5.00	10.8	5.34	11.6		1	WG2227715
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2227715
Benzene	71-43-2	78.10	0.200	0.639	0.269	0.859		1	WG2227715
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2227715
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2227715
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2227715
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2227715
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2227715
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2227715
Butane	106-97-8	58	0.200	0.474	0.934	2.22		1	WG2227715
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2227715
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2227715
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2227715
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2227715
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2227715
Chloromethane	74-87-3	50.50	0.200	0.413	0.596	1.23		1	WG2227715
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2227715
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2227715
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2227715
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2227715
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2227715
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2227715
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2227715
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2227715
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2227715
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2227715
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2227715
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2227715
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2227715
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2227715
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2227715
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2227715
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2227715
Ethanol	64-17-5	46.10	2.50	4.71	31.9	60.1		1	WG2227715
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2227715
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2227715
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.250	1.40		1	WG2227715
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.534	2.64		1	WG2227715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2227715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2227715
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2227715
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2227715
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2227715
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2227715
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.270	0.938		1	WG2227715
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2227715
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2227715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2227715
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2227715
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2227715
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2227715
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2227715
Pentane	109-66-0	72.15	0.200	0.590	0.497	1.47		1	WG2227715
2-Propanol	67-63-0	60.10	1.25	3.07	5.85	14.4		1	WG2227715

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2227715
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2227715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2227715
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2227715
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2227715
Toluene	108-88-3	92.10	0.500	1.88	1.59	5.99		1	WG2227715
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2227715
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2227715
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2227715
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2227715
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2227715
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2227715
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2227715
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2227715
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2227715
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2227715
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2227715
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2227715
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		92.7				WG2227715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4034816-3 02/16/24 10:20

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.390	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4034816-3 02/16/24 10:20

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	92.8			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4034816-1 02/16/24 09:22 • (LCSD) R4034816-2 02/16/24 09:52

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	4.07	3.93	109	105	70.0-130			3.50	25
Acetonitrile	18.8	19.7	19.4	105	103	70.0-130			1.53	25
Acrylonitrile	3.75	4.09	4.12	109	110	70.0-130			0.731	25
Allyl chloride	3.75	4.34	4.26	116	114	70.0-130			1.86	25
Benzene	3.75	3.90	3.88	104	103	70.0-130			0.514	25
Benzyl Chloride	3.75	5.09	4.90	136	131	70.0-152			3.80	25
Bromodichloromethane	3.75	3.91	3.83	104	102	70.0-130			2.07	25
Bromoform	3.75	3.72	3.63	99.2	96.8	70.0-130			2.45	25
Bromomethane	3.75	4.08	4.01	109	107	70.0-130			1.73	25
Bromoethane	3.75	4.21	4.09	112	109	70.0-130			2.89	25
1,3-Butadiene	3.75	4.16	4.01	111	107	70.0-130			3.67	25
Butane	3.75	4.03	3.98	107	106	70.0-130			1.25	25
Carbon disulfide	3.75	4.28	4.21	114	112	70.0-130			1.65	25
Carbon tetrachloride	3.75	4.02	3.96	107	106	70.0-130			1.50	25
Chlorobenzene	3.75	3.94	3.91	105	104	70.0-130			0.764	25
Chloroethane	3.75	4.08	4.05	109	108	70.0-130			0.738	25
Chloroform	3.75	3.99	3.94	106	105	70.0-130			1.26	25
Chloromethane	3.75	4.04	3.99	108	106	70.0-130			1.25	25
2-Chlorotoluene	3.75	4.19	4.14	112	110	70.0-130			1.20	25
Cyclohexane	3.75	4.10	4.07	109	109	70.0-130			0.734	25
n-Decane	3.75	4.42	4.34	118	116	70.0-130			1.83	25
Dibromochloromethane	3.75	3.83	3.78	102	101	70.0-130			1.31	25
1,2-Dibromoethane	3.75	3.96	3.91	106	104	70.0-130			1.27	25
1,2-Dichlorobenzene	3.75	4.11	3.97	110	106	70.0-130			3.47	25
1,3-Dichlorobenzene	3.75	4.20	4.03	112	107	70.0-130			4.13	25
1,4-Dichlorobenzene	3.75	4.23	4.12	113	110	70.0-130			2.63	25
1,2-Dichloroethane	3.75	4.09	3.98	109	106	70.0-130			2.73	25
1,1-Dichloroethane	3.75	3.95	4.07	105	109	70.0-130			2.99	25
1,1-Dichloroethene	3.75	4.34	4.28	116	114	70.0-130			1.39	25
cis-1,2-Dichloroethene	3.75	4.04	4.04	108	108	70.0-130			0.000	25
trans-1,2-Dichloroethene	3.75	4.49	4.47	120	119	70.0-130			0.446	25
1,2-Dichloropropane	3.75	3.83	3.81	102	102	70.0-130			0.524	25
cis-1,3-Dichloropropene	3.75	4.02	3.99	107	106	70.0-130			0.749	25
trans-1,3-Dichloropropene	3.75	4.14	4.09	110	109	70.0-130			1.22	25
1,4-Dioxane	3.75	3.96	3.99	106	106	70.0-140			0.755	25
Ethanol	3.75	3.57	3.55	95.2	94.7	55.0-148			0.562	25
Ethylbenzene	3.75	4.14	4.09	110	109	70.0-130			1.22	25
4-Ethyltoluene	3.75	4.35	4.27	116	114	70.0-130			1.86	25
Trichlorofluoromethane	3.75	4.28	4.17	114	111	70.0-130			2.60	25
Dichlorodifluoromethane	3.75	4.20	4.21	112	112	64.0-139			0.238	25

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4034816-1 02/16/24 09:22 • (LCSD) R4034816-2 02/16/24 09:52

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.23	4.21	113	112	70.0-130			0.474	25
1,2-Dichlorotetrafluoroethane	3.75	4.16	4.10	111	109	70.0-130			1.45	25
Heptane	3.75	4.04	3.95	108	105	70.0-130			2.25	25
Hexachloro-1,3-butadiene	3.75	3.97	3.77	106	101	70.0-151			5.17	25
n-Hexane	3.75	3.95	3.91	105	104	70.0-130			1.02	25
Isopropylbenzene	3.75	4.13	4.05	110	108	70.0-130			1.96	25
Methylene Chloride	3.75	4.23	4.18	113	111	70.0-130			1.19	25
Methyl Butyl Ketone	3.75	4.20	4.20	112	112	70.0-149			0.000	25
2-Butanone (MEK)	3.75	4.12	4.06	110	108	70.0-130			1.47	25
4-Methyl-2-pentanone (MIBK)	3.75	4.04	3.97	108	106	70.0-139			1.75	25
Methyl methacrylate	3.75	3.92	3.88	105	103	70.0-130			1.03	25
MTBE	3.75	4.25	4.17	113	111	70.0-130			1.90	25
Naphthalene	3.75	4.78	4.68	127	125	70.0-159			2.11	25
Nonane	3.75	4.34	4.18	116	111	70.0-130			3.76	25
Pentane	3.75	4.01	3.94	107	105	70.0-130			1.76	25
2-Propanol	3.75	3.90	3.85	104	103	70.0-139			1.29	25
Propene	3.75	3.80	3.78	101	101	64.0-144			0.528	25
Styrene	3.75	4.34	4.26	116	114	70.0-130			1.86	25
1,1,2,2-Tetrachloroethane	3.75	3.88	3.75	103	100	70.0-130			3.41	25
Tetrachloroethylene	3.75	3.86	3.84	103	102	70.0-130			0.519	25
Tetrahydrofuran	3.75	3.86	3.83	103	102	70.0-137			0.780	25
Toluene	3.75	3.99	3.90	106	104	70.0-130			2.28	25
1,2,4-Trichlorobenzene	3.75	4.83	4.68	129	125	70.0-160			3.15	25
1,1,1-Trichloroethane	3.75	4.05	4.03	108	107	70.0-130			0.495	25
1,1,2-Trichloroethane	3.75	3.89	3.81	104	102	70.0-130			2.08	25
Trichloroethylene	3.75	3.97	3.91	106	104	70.0-130			1.52	25
1,2,4-Trimethylbenzene	3.75	4.37	4.24	117	113	70.0-130			3.02	25
1,3,5-Trimethylbenzene	3.75	4.37	4.24	117	113	70.0-130			3.02	25
2,2,4-Trimethylpentane	3.75	4.11	4.07	110	109	70.0-130			0.978	25
Vinyl chloride	3.75	4.09	4.10	109	109	70.0-130			0.244	25
Vinyl Bromide	3.75	4.15	4.12	111	110	70.0-130			0.726	25
Vinyl acetate	3.75	3.94	3.87	105	103	70.0-130			1.79	25
m&p-Xylene	7.50	8.41	8.23	112	110	70.0-130			2.16	25
o-Xylene	3.75	4.26	4.16	114	111	70.0-130			2.38	25
(S) 1,4-Bromofluorobenzene				101	100	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier Description

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



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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





CHAIN OF CUSTODY A

Sample Receipt Checklist
COC Seal Present/Intact: ☒ Y ☐ N ☐ Airs
COC Signed/Accurate: ☒ Y ☐ N Size: 8 IL SL 1.42
Bottles arrive intact: ☒ Y ☐ N Tape Color: G W P B
Correct bottles used: ☒ Y ☐ N Tubing Shunt

AMS

T/P#:

J102

Send Report to ahenault@cteh.com, mreilly@cteh.com
Company CTEH, LLC
Address 5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone (501)801-8500
e-mail labresults@cteh.com
Accounting Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☐ Same Day ☒ Next Day

☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☒

Retain w/ storage fees after 2X hold time ☐

21766361

Lab Contact Information	Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method					Matrix
											TO-15					
	MTWA0213MC001	015655	009881	02/13/24	0507	02/13/24	2233	-29	-9	DA	✓				01	A
	MTWA0213MC002	029381	028233	02/13/24	0447	02/13/24	2247	-29	-8	DA	✓				02	A
	MTWA0213MC003	009968	029285	02/13/24	0435	02/13/24	2302	-29	-7	DA	✓				03	A
	MTWA0213MC004	008144	010117	02/13/24	0518	02/13/24	2311	-28	-8	DA	✓				04	A
	MTWA0213MC001B	028014	010116	02/13/24	2237	02/14/24	1643	-28	-9	DA	✓				05	A
	MTWA0213MC002B	015673	010116	02/13/24	2251	02/14/24	1653	-28	-8	DA	✓				06	A
	MTWA0213MC003B	011115	010116	02/13/24	2306	02/14/24	1709	-29	-8	DA	✓				07	A
	MTWA0213MC004B	029359	028273	02/13/24	2315	02/14/24	1718	-28	-8	DA	✓				08	A

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
<i>Cody Rhoades</i>	2/15/24 0930	<i>Steph L. Harris</i>	2/15/24 930	<i>James</i> 2-16-24 0900
<i>Steph L. Harris</i>	2/16/24 1030	FED EX	2/15/24 1030	

SDG # MTWA0213MC

CTEH - ER

Sample Delivery Group: L1706835

Samples Received: 02/17/2024

Project Number: 032692

Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0215MC001 L1706835-01 Air

				Collected by DA	Collected date/time 02/16/24 04:34	Received date/time 02/17/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2228442	1	02/17/24 12:32	02/17/24 12:32	DBB	Mt. Juliet, TN

MTWA0215MC002 L1706835-02 Air

				Collected by DA	Collected date/time 02/16/24 04:52	Received date/time 02/17/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2228442	1	02/17/24 13:00	02/17/24 13:00	DBB	Mt. Juliet, TN

MTWA0215MC003 L1706835-03 Air

				Collected by DA	Collected date/time 02/16/24 05:09	Received date/time 02/17/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2228442	1	02/17/24 13:29	02/17/24 13:29	DBB	Mt. Juliet, TN

MTWA0215MC004 L1706835-04 Air

				Collected by DA	Collected date/time 02/16/24 05:25	Received date/time 02/17/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2228442	1	02/17/24 13:58	02/17/24 13:58	DBB	Mt. Juliet, TN

MTWA0215MC004CL L1706835-05 Air

				Collected by DA	Collected date/time 02/16/24 05:30	Received date/time 02/17/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2228442	1	02/17/24 14:27	02/17/24 14:27	DBB	Mt. Juliet, TN



CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2228442	(LCS) R4035482-1, (LCSD) R4035482-2, L1706835-01, 02, 03, 04, 05	Vinyl acetate



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilutio n	Batch
MTWA0215MC001	L1706835-01	Acetone	67-64-1	58.10	1.25	2.97	5.09	12.1		1	WG2228442
MTWA0215MC001	L1706835-01	Benzene	71-43-2	78.10	0.200	0.639	0.222	0.709		1	WG2228442
MTWA0215MC001	L1706835-01	Butane	106-97-8	58	0.200	0.474	0.572	1.36		1	WG2228442
MTWA0215MC001	L1706835-01	Chloromethane	74-87-3	50.50	0.200	0.413	0.495	1.02		1	WG2228442
MTWA0215MC001	L1706835-01	Ethanol	64-17-5	46.10	2.50	4.71	8.35	15.7		1	WG2228442
MTWA0215MC001	L1706835-01	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.260	1.46		1	WG2228442
MTWA0215MC001	L1706835-01	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.483	2.39		1	WG2228442
MTWA0215MC001	L1706835-01	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.229	0.795		1	WG2228442
MTWA0215MC001	L1706835-01	Pentane	109-66-0	72.15	0.200	0.590	0.230	0.679		1	WG2228442
MTWA0215MC001	L1706835-01	2-Propanol	67-63-0	60.10	1.25	3.07	1.34	3.29		1	WG2228442
MTWA0215MC001	L1706835-01	Toluene	108-88-3	92.10	0.500	1.88	1.01	3.80		1	WG2228442
MTWA0215MC002	L1706835-02	Acetone	67-64-1	58.10	1.25	2.97	3.49	8.29		1	WG2228442
MTWA0215MC002	L1706835-02	Butane	106-97-8	58	0.200	0.474	1.39	3.30		1	WG2228442
MTWA0215MC002	L1706835-02	Chloromethane	74-87-3	50.50	0.200	0.413	0.436	0.901		1	WG2228442
MTWA0215MC002	L1706835-02	Ethanol	64-17-5	46.10	2.50	4.71	28.7	54.1		1	WG2228442
MTWA0215MC002	L1706835-02	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.233	1.31		1	WG2228442
MTWA0215MC002	L1706835-02	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.510	2.52		1	WG2228442
MTWA0215MC002	L1706835-02	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.852	2.96		1	WG2228442
MTWA0215MC002	L1706835-02	Pentane	109-66-0	72.15	0.200	0.590	1.19	3.51		1	WG2228442
MTWA0215MC002	L1706835-02	2-Propanol	67-63-0	60.10	1.25	3.07	4.80	11.8		1	WG2228442
MTWA0215MC003	L1706835-03	Acetone	67-64-1	58.10	1.25	2.97	4.72	11.2		1	WG2228442
MTWA0215MC003	L1706835-03	Butane	106-97-8	58	0.200	0.474	0.717	1.70		1	WG2228442
MTWA0215MC003	L1706835-03	Chloromethane	74-87-3	50.50	0.200	0.413	0.506	1.05		1	WG2228442
MTWA0215MC003	L1706835-03	Ethanol	64-17-5	46.10	2.50	4.71	5.72	10.8		1	WG2228442
MTWA0215MC003	L1706835-03	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.227	1.28		1	WG2228442
MTWA0215MC003	L1706835-03	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.523	2.59		1	WG2228442
MTWA0215MC003	L1706835-03	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.427	1.48		1	WG2228442
MTWA0215MC003	L1706835-03	Pentane	109-66-0	72.15	0.200	0.590	0.341	1.01		1	WG2228442
MTWA0215MC003	L1706835-03	2-Propanol	67-63-0	60.10	1.25	3.07	4.42	10.9		1	WG2228442
MTWA0215MC004	L1706835-04	Acetone	67-64-1	58.10	1.25	2.97	1.79	4.25		1	WG2228442
MTWA0215MC004	L1706835-04	Butane	106-97-8	58	0.200	0.474	0.573	1.36		1	WG2228442
MTWA0215MC004	L1706835-04	Chloromethane	74-87-3	50.50	0.200	0.413	0.489	1.01		1	WG2228442
MTWA0215MC004	L1706835-04	Ethanol	64-17-5	46.10	2.50	4.71	6.00	11.3		1	WG2228442
MTWA0215MC004	L1706835-04	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.262	1.47		1	WG2228442
MTWA0215MC004	L1706835-04	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.510	2.52		1	WG2228442
MTWA0215MC004	L1706835-04	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.304	1.06		1	WG2228442
MTWA0215MC004	L1706835-04	Pentane	109-66-0	72.15	0.200	0.590	0.266	0.785		1	WG2228442
MTWA0215MC004	L1706835-04	2-Propanol	67-63-0	60.10	1.25	3.07	1.53	3.76		1	WG2228442
MTWA0215MC004CL	L1706835-05	Acetone	67-64-1	58.10	1.25	2.97	2.50	5.94		1	WG2228442
MTWA0215MC004CL	L1706835-05	Benzene	71-43-2	78.10	0.200	0.639	0.370	1.18		1	WG2228442
MTWA0215MC004CL	L1706835-05	Butane	106-97-8	58	0.200	0.474	0.568	1.35		1	WG2228442
MTWA0215MC004CL	L1706835-05	Chloromethane	74-87-3	50.50	0.200	0.413	0.769	1.59		1	WG2228442
MTWA0215MC004CL	L1706835-05	Ethanol	64-17-5	46.10	2.50	4.71	6.53	12.3		1	WG2228442
MTWA0215MC004CL	L1706835-05	Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.249	1.40		1	WG2228442
MTWA0215MC004CL	L1706835-05	Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.525	2.60		1	WG2228442
MTWA0215MC004CL	L1706835-05	Methylene Chloride	75-09-2	84.90	0.200	0.694	0.232	0.806		1	WG2228442
MTWA0215MC004CL	L1706835-05	Pentane	109-66-0	72.15	0.200	0.590	0.342	1.01		1	WG2228442
MTWA0215MC004CL	L1706835-05	2-Propanol	67-63-0	60.10	1.25	3.07	1.60	3.93		1	WG2228442
MTWA0215MC004CL	L1706835-05	Toluene	108-88-3	92.10	0.500	1.88	0.626	2.36		1	WG2228442



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.09	12.1		1	WG2228442
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2228442
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2228442
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2228442
Benzene	71-43-2	78.10	0.200	0.639	0.222	0.709		1	WG2228442
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2228442
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2228442
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2228442
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2228442
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2228442
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2228442
Butane	106-97-8	58	0.200	0.474	0.572	1.36		1	WG2228442
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2228442
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2228442
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2228442
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2228442
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2228442
Chloromethane	74-87-3	50.50	0.200	0.413	0.495	1.02		1	WG2228442
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2228442
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2228442
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2228442
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2228442
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2228442
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2228442
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2228442
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2228442
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2228442
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2228442
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2228442
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2228442
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2228442
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2228442
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2228442
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2228442
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2228442
Ethanol	64-17-5	46.10	2.50	4.71	8.35	15.7		1	WG2228442
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2228442
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2228442
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.260	1.46		1	WG2228442
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.483	2.39		1	WG2228442
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2228442
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2228442
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2228442
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2228442
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2228442
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2228442
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.229	0.795		1	WG2228442
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2228442
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2228442
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2228442
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2228442
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2228442
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2228442
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2228442
Pentane	109-66-0	72.15	0.200	0.590	0.230	0.679		1	WG2228442
2-Propanol	67-63-0	60.10	1.25	3.07	1.34	3.29		1	WG2228442



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2228442
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2228442
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2228442
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2228442
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2228442
Toluene	108-88-3	92.10	0.500	1.88	1.01	3.80		1	WG2228442
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2228442
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2228442
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2228442
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2228442
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2228442
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2228442
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2228442
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2228442
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2228442
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2228442
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2228442
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2228442
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		102				WG2228442

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.49	8.29		1	WG2228442
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2228442
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2228442
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2228442
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2228442
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2228442
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2228442
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2228442
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2228442
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2228442
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2228442
Butane	106-97-8	58	0.200	0.474	1.39	3.30		1	WG2228442
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2228442
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2228442
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2228442
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2228442
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2228442
Chloromethane	74-87-3	50.50	0.200	0.413	0.436	0.901		1	WG2228442
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2228442
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2228442
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2228442
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2228442
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2228442
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2228442
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2228442
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2228442
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2228442
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2228442
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2228442
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2228442
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2228442
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2228442
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2228442
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2228442
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2228442
Ethanol	64-17-5	46.10	2.50	4.71	28.7	54.1		1	WG2228442
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2228442
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2228442
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.233	1.31		1	WG2228442
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.510	2.52		1	WG2228442
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2228442
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2228442
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2228442
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2228442
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2228442
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2228442
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.852	2.96		1	WG2228442
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2228442
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2228442
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2228442
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2228442
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2228442
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2228442
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2228442
Pentane	109-66-0	72.15	0.200	0.590	1.19	3.51		1	WG2228442
2-Propanol	67-63-0	60.10	1.25	3.07	4.80	11.8		1	WG2228442

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2228442
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2228442
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2228442
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2228442
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2228442
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2228442
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2228442
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2228442
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2228442
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2228442
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2228442
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2228442
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2228442
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2228442
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2228442
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2228442
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2228442
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2228442
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				WG2228442

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.72	11.2		1	WG2228442
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2228442
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2228442
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2228442
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2228442
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2228442
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2228442
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2228442
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2228442
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2228442
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2228442
Butane	106-97-8	58	0.200	0.474	0.717	1.70		1	WG2228442
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2228442
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2228442
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2228442
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2228442
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2228442
Chloromethane	74-87-3	50.50	0.200	0.413	0.506	1.05		1	WG2228442
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2228442
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2228442
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2228442
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2228442
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2228442
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2228442
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2228442
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2228442
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2228442
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2228442
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2228442
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2228442
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2228442
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2228442
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2228442
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2228442
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2228442
Ethanol	64-17-5	46.10	2.50	4.71	5.72	10.8		1	WG2228442
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2228442
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2228442
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.227	1.28		1	WG2228442
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.523	2.59		1	WG2228442
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2228442
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2228442
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2228442
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2228442
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2228442
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2228442
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.427	1.48		1	WG2228442
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2228442
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2228442
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2228442
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2228442
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2228442
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2228442
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2228442
Pentane	109-66-0	72.15	0.200	0.590	0.341	1.01		1	WG2228442
2-Propanol	67-63-0	60.10	1.25	3.07	4.42	10.9		1	WG2228442



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2228442
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2228442
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2228442
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2228442
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2228442
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2228442
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2228442
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2228442
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2228442
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2228442
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2228442
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2228442
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2228442
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2228442
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2228442
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2228442
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2228442
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2228442
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		100				WG2228442

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	1.79	4.25		1	WG2228442
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2228442
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2228442
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2228442
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2228442
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2228442
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2228442
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2228442
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2228442
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2228442
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2228442
Butane	106-97-8	58	0.200	0.474	0.573	1.36		1	WG2228442
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2228442
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2228442
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2228442
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2228442
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2228442
Chloromethane	74-87-3	50.50	0.200	0.413	0.489	1.01		1	WG2228442
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2228442
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2228442
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2228442
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2228442
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2228442
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2228442
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2228442
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2228442
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2228442
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2228442
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2228442
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2228442
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2228442
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2228442
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2228442
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2228442
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2228442
Ethanol	64-17-5	46.10	2.50	4.71	6.00	11.3		1	WG2228442
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2228442
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2228442
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.262	1.47		1	WG2228442
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.510	2.52		1	WG2228442
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2228442
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2228442
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2228442
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2228442
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2228442
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2228442
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.304	1.06		1	WG2228442
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2228442
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2228442
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2228442
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2228442
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2228442
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2228442
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2228442
Pentane	109-66-0	72.15	0.200	0.590	0.266	0.785		1	WG2228442
2-Propanol	67-63-0	60.10	1.25	3.07	1.53	3.76		1	WG2228442



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2228442
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2228442
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2228442
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2228442
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2228442
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2228442
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2228442
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2228442
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2228442
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2228442
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2228442
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2228442
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2228442
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2228442
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2228442
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2228442
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2228442
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2228442
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				WG2228442

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.50	5.94		1	WG2228442
Acetonitrile	75-05-8	41.05	5.00	8.39	ND	ND		1	WG2228442
Acrylonitrile	107-13-1	53	5.00	10.8	ND	ND		1	WG2228442
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2228442
Benzene	71-43-2	78.10	0.200	0.639	0.370	1.18		1	WG2228442
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2228442
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2228442
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2228442
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2228442
Bromoethane	74-96-4	108.97	5.00	22.3	ND	ND		1	WG2228442
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2228442
Butane	106-97-8	58	0.200	0.474	0.568	1.35		1	WG2228442
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2228442
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2228442
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2228442
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2228442
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2228442
Chloromethane	74-87-3	50.50	0.200	0.413	0.769	1.59		1	WG2228442
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2228442
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2228442
n-Decane	124-18-5	142.28	0.200	1.16	ND	ND		1	WG2228442
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2228442
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2228442
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2228442
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2228442
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2228442
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2228442
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2228442
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2228442
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2228442
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2228442
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2228442
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2228442
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2228442
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2228442
Ethanol	64-17-5	46.10	2.50	4.71	6.53	12.3		1	WG2228442
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2228442
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2228442
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.249	1.40		1	WG2228442
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.525	2.60		1	WG2228442
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2228442
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2228442
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2228442
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2228442
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2228442
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2228442
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.232	0.806		1	WG2228442
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2228442
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2228442
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2228442
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2228442
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2228442
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2228442
Nonane	111-84-2	128.26	0.200	1.05	ND	ND		1	WG2228442
Pentane	109-66-0	72.15	0.200	0.590	0.342	1.01		1	WG2228442
2-Propanol	67-63-0	60.10	1.25	3.07	1.60	3.93		1	WG2228442



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2228442
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2228442
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2228442
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2228442
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2228442
Toluene	108-88-3	92.10	0.500	1.88	0.626	2.36		1	WG2228442
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2228442
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2228442
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2228442
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2228442
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2228442
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2228442
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2228442
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2228442
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2228442
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2228442
m&p-Xylene	179601-23-1	106	0.400	1.73	ND	ND		1	WG2228442
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2228442
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG2228442

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4035482-3 02/17/24 08:27

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4035482-3 02/17/24 08:27

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	99.7			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4035482-1 02/17/24 07:29 • (LCSD) R4035482-2 02/17/24 07:59

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	3.01	3.19	80.3	85.1	70.0-130			5.81	25
Acetonitrile	18.8	15.1	14.9	80.3	79.3	70.0-130			1.33	25
Acrylonitrile	3.75	3.05	3.32	81.3	88.5	70.0-130			8.48	25
Allyl chloride	3.75	3.28	3.29	87.5	87.7	70.0-130			0.304	25
Benzene	3.75	3.39	3.35	90.4	89.3	70.0-130			1.19	25
Benzyl Chloride	3.75	3.59	3.51	95.7	93.6	70.0-152			2.25	25
Bromodichloromethane	3.75	3.45	3.35	92.0	89.3	70.0-130			2.94	25
Bromoform	3.75	3.19	3.19	85.1	85.1	70.0-130			0.000	25
Bromomethane	3.75	3.57	3.60	95.2	96.0	70.0-130			0.837	25
Bromoethane	3.75	3.80	3.67	101	97.9	70.0-130			3.48	25
1,3-Butadiene	3.75	3.00	3.27	80.0	87.2	70.0-130			8.61	25
Butane	3.75	3.15	3.28	84.0	87.5	70.0-130			4.04	25
Carbon disulfide	3.75	3.41	3.53	90.9	94.1	70.0-130			3.46	25
Carbon tetrachloride	3.75	3.74	3.61	99.7	96.3	70.0-130			3.54	25
Chlorobenzene	3.75	3.52	3.34	93.9	89.1	70.0-130			5.25	25
Chloroethane	3.75	3.45	3.30	92.0	88.0	70.0-130			4.44	25
Chloroform	3.75	3.59	3.44	95.7	91.7	70.0-130			4.27	25
Chloromethane	3.75	3.04	3.12	81.1	83.2	70.0-130			2.60	25
2-Chlorotoluene	3.75	3.66	3.78	97.6	101	70.0-130			3.23	25
Cyclohexane	3.75	3.53	3.48	94.1	92.8	70.0-130			1.43	25
n-Decane	3.75	3.07	3.10	81.9	82.7	70.0-130			0.972	25
Dibromochloromethane	3.75	3.43	3.34	91.5	89.1	70.0-130			2.66	25
1,2-Dibromoethane	3.75	3.52	3.38	93.9	90.1	70.0-130			4.06	25
1,2-Dichlorobenzene	3.75	3.66	3.66	97.6	97.6	70.0-130			0.000	25
1,3-Dichlorobenzene	3.75	3.65	3.72	97.3	99.2	70.0-130			1.90	25
1,4-Dichlorobenzene	3.75	3.68	3.69	98.1	98.4	70.0-130			0.271	25
1,2-Dichloroethane	3.75	3.60	3.54	96.0	94.4	70.0-130			1.68	25
1,1-Dichloroethane	3.75	3.51	3.45	93.6	92.0	70.0-130			1.72	25
1,1-Dichloroethene	3.75	3.59	3.53	95.7	94.1	70.0-130			1.69	25
cis-1,2-Dichloroethene	3.75	3.47	3.47	92.5	92.5	70.0-130			0.000	25
trans-1,2-Dichloroethene	3.75	3.50	3.55	93.3	94.7	70.0-130			1.42	25
1,2-Dichloropropane	3.75	3.09	3.15	82.4	84.0	70.0-130			1.92	25
cis-1,3-Dichloropropene	3.75	3.68	3.54	98.1	94.4	70.0-130			3.88	25
trans-1,3-Dichloropropene	3.75	3.48	3.53	92.8	94.1	70.0-130			1.43	25
1,4-Dioxane	3.75	3.25	3.04	86.7	81.1	70.0-140			6.68	25
Ethanol	3.75	3.67	3.51	97.9	93.6	55.0-148			4.46	25
Ethylbenzene	3.75	3.58	3.66	95.5	97.6	70.0-130			2.21	25
4-Ethyltoluene	3.75	3.80	3.76	101	100	70.0-130			1.06	25
Trichlorofluoromethane	3.75	3.86	4.01	103	107	70.0-130			3.81	25
Dichlorodifluoromethane	3.75	3.84	3.81	102	102	64.0-139			0.784	25

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4035482-1 02/17/24 07:29 • (LCSD) R4035482-2 02/17/24 07:59

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.83	3.75	102	100	70.0-130			2.11	25
1,2-Dichlorotetrafluoroethane	3.75	3.71	3.66	98.9	97.6	70.0-130			1.36	25
Heptane	3.75	2.83	2.66	75.5	70.9	70.0-130			6.19	25
Hexachloro-1,3-butadiene	3.75	3.73	3.76	99.5	100	70.0-151			0.801	25
n-Hexane	3.75	3.07	3.13	81.9	83.5	70.0-130			1.94	25
Isopropylbenzene	3.75	3.70	3.64	98.7	97.1	70.0-130			1.63	25
Methylene Chloride	3.75	3.23	3.29	86.1	87.7	70.0-130			1.84	25
Methyl Butyl Ketone	3.75	3.29	3.18	87.7	84.8	70.0-149			3.40	25
2-Butanone (MEK)	3.75	3.79	3.50	101	93.3	70.0-130			7.96	25
4-Methyl-2-pentanone (MIBK)	3.75	3.13	3.18	83.5	84.8	70.0-139			1.58	25
Methyl methacrylate	3.75	3.36	3.20	89.6	85.3	70.0-130			4.88	25
MTBE	3.75	3.87	3.82	103	102	70.0-130			1.30	25
Naphthalene	3.75	3.75	3.77	100	101	70.0-159			0.532	25
Nonane	3.75	3.10	3.09	82.7	82.4	70.0-130			0.323	25
Pentane	3.75	3.13	3.16	83.5	84.3	70.0-130			0.954	25
2-Propanol	3.75	3.28	3.20	87.5	85.3	70.0-139			2.47	25
Propene	3.75	3.16	2.80	84.3	74.7	64.0-144			12.1	25
Styrene	3.75	3.84	3.71	102	98.9	70.0-130			3.44	25
1,1,2,2-Tetrachloroethane	3.75	3.33	3.26	88.8	86.9	70.0-130			2.12	25
Tetrachloroethylene	3.75	3.56	3.60	94.9	96.0	70.0-130			1.12	25
Tetrahydrofuran	3.75	2.91	2.77	77.6	73.9	70.0-137			4.93	25
Toluene	3.75	3.51	3.56	93.6	94.9	70.0-130			1.41	25
1,2,4-Trichlorobenzene	3.75	3.53	3.61	94.1	96.3	70.0-160			2.24	25
1,1,1-Trichloroethane	3.75	3.84	3.92	102	105	70.0-130			2.06	25
1,1,2-Trichloroethane	3.75	3.54	3.31	94.4	88.3	70.0-130			6.72	25
Trichloroethylene	3.75	3.59	3.50	95.7	93.3	70.0-130			2.54	25
1,2,4-Trimethylbenzene	3.75	3.90	3.84	104	102	70.0-130			1.55	25
1,3,5-Trimethylbenzene	3.75	3.92	3.86	105	103	70.0-130			1.54	25
2,2,4-Trimethylpentane	3.75	3.04	3.01	81.1	80.3	70.0-130			0.992	25
Vinyl chloride	3.75	3.25	3.31	86.7	88.3	70.0-130			1.83	25
Vinyl Bromide	3.75	3.72	3.67	99.2	97.9	70.0-130			1.35	25
Vinyl acetate	3.75	2.61	2.54	69.6	67.7	70.0-130	J4	J4	2.72	25
m&p-Xylene	7.50	7.54	7.34	101	97.9	70.0-130			2.69	25
o-Xylene	3.75	3.74	3.72	99.7	99.2	70.0-130			0.536	25
(S) 1,4-Bromofluorobenzene				103	104	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier Description

J4	The associated batch QC was outside the established quality control range for accuracy.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



CTEH - ER

Sample Delivery Group: L1707419
Samples Received: 02/20/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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Sc: Sample Chain of Custody	30

¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0216MC001 L1707419-01 Air

				Collected by MK	Collected date/time 02/16/24 22:40	Received date/time 02/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230114	1	02/20/24 17:03	02/20/24 17:03	DAH	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

MTWA0216MC002 L1707419-02 Air

				Collected by MK	Collected date/time 02/16/24 23:09	Received date/time 02/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230114	1	02/20/24 17:41	02/20/24 17:41	DAH	Mt. Juliet, TN

MTWA0216MC003 L1707419-03 Air

				Collected by MK	Collected date/time 02/16/24 23:24	Received date/time 02/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230114	1	02/20/24 18:20	02/20/24 18:20	DAH	Mt. Juliet, TN

MTWA0216MC004 L1707419-04 Air

				Collected by MK	Collected date/time 02/16/24 23:37	Received date/time 02/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230114	1	02/20/24 18:59	02/20/24 18:59	DAH	Mt. Juliet, TN

MTWA0216MC001B L1707419-05 Air

				Collected by MK	Collected date/time 02/17/24 17:16	Received date/time 02/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230114	1	02/20/24 19:38	02/20/24 19:38	DAH	Mt. Juliet, TN

MTWA0216MC002B L1707419-06 Air

				Collected by MK	Collected date/time 02/17/24 17:31	Received date/time 02/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230114	1	02/20/24 20:17	02/20/24 20:17	DAH	Mt. Juliet, TN

MTWA0216MC003B L1707419-07 Air

				Collected by MK	Collected date/time 02/17/24 17:46	Received date/time 02/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230114	1	02/20/24 20:57	02/20/24 20:57	DAH	Mt. Juliet, TN

MTWA0216MC004B L1707419-08 Air

				Collected by MK	Collected date/time 02/17/24 17:58	Received date/time 02/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230114	1	02/20/24 21:36	02/20/24 21:36	DAH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2230114	Acetonitrile	L1707419-02, 03, 04, 05, 06, 07

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2230114	(LCS) R4036238-1, L1707419-01, 02, 03, 04, 05, 06, 07, 08	Acetonitrile



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch	
					ppbv	ppbv	ug/m3	ppbv	ug/m3				¹ Cp
MTWA0216MC001	L1707419-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	8.89	21.1		1	WG2230114	² Tc
MTWA0216MC001	L1707419-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	6.33	10.6	J4	1	WG2230114	³ Ss
MTWA0216MC001	L1707419-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.214	0.684		1	WG2230114	⁴ Cn
MTWA0216MC001	L1707419-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.848	2.01		1	WG2230114	⁵ Ds
MTWA0216MC001	L1707419-01	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.286	0.890		1	WG2230114	⁶ Sr
MTWA0216MC001	L1707419-01	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0908	0.572	J	1	WG2230114	⁷ Qc
MTWA0216MC001	L1707419-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.731	1.51		1	WG2230114	⁸ Gl
MTWA0216MC001	L1707419-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	16.0	30.2		1	WG2230114	⁹ Al
MTWA0216MC001	L1707419-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.263	1.48		1	WG2230114	¹⁰ Sc
MTWA0216MC001	L1707419-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.425	2.10		1	WG2230114	
MTWA0216MC001	L1707419-01	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0838	0.642	J	1	WG2230114	
MTWA0216MC001	L1707419-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.371	1.29		1	WG2230114	
MTWA0216MC001	L1707419-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.493	1.45	J	1	WG2230114	
MTWA0216MC001	L1707419-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.597	1.76		1	WG2230114	
MTWA0216MC001	L1707419-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.22	7.92		1	WG2230114	
MTWA0216MC001	L1707419-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.748	2.82		1	WG2230114	
MTWA0216MC001	L1707419-01	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.164	0.711	J	1	WG2230114	
MTWA0216MC002	L1707419-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	7.08	16.8		1	WG2230114	
MTWA0216MC002	L1707419-02	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	2.28	3.83	B J J4	1	WG2230114	
MTWA0216MC002	L1707419-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.205	0.655		1	WG2230114	
MTWA0216MC002	L1707419-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.748	1.77		1	WG2230114	
MTWA0216MC002	L1707419-02	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.125	0.389	J	1	WG2230114	
MTWA0216MC002	L1707419-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.683	1.41		1	WG2230114	
MTWA0216MC002	L1707419-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	19.6	37.0		1	WG2230114	
MTWA0216MC002	L1707419-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.242	1.36		1	WG2230114	
MTWA0216MC002	L1707419-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.462	2.28		1	WG2230114	
MTWA0216MC002	L1707419-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.527	1.83		1	WG2230114	
MTWA0216MC002	L1707419-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.892	2.63		1	WG2230114	
MTWA0216MC002	L1707419-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.91	4.69		1	WG2230114	
MTWA0216MC002	L1707419-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.01	3.80		1	WG2230114	
MTWA0216MC003	L1707419-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.58	8.51		1	WG2230114	
MTWA0216MC003	L1707419-03	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.27	5.49	B J J4	1	WG2230114	
MTWA0216MC003	L1707419-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.263	0.840		1	WG2230114	
MTWA0216MC003	L1707419-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.610	1.45		1	WG2230114	
MTWA0216MC003	L1707419-03	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.120	0.373	J	1	WG2230114	
MTWA0216MC003	L1707419-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.701	1.45		1	WG2230114	
MTWA0216MC003	L1707419-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	16.4	30.9		1	WG2230114	
MTWA0216MC003	L1707419-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.239	1.34		1	WG2230114	
MTWA0216MC003	L1707419-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.431	2.13		1	WG2230114	
MTWA0216MC003	L1707419-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.235	0.816		1	WG2230114	
MTWA0216MC003	L1707419-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.346	1.02		1	WG2230114	
MTWA0216MC003	L1707419-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.06	3.99		1	WG2230114	
MTWA0216MC004	L1707419-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.23	5.30		1	WG2230114	
MTWA0216MC004	L1707419-04	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.19	5.36	B J J4	1	WG2230114	
MTWA0216MC004	L1707419-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.207	0.661		1	WG2230114	
MTWA0216MC004	L1707419-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.540	1.28		1	WG2230114	
MTWA0216MC004	L1707419-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.603	1.25		1	WG2230114	
MTWA0216MC004	L1707419-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	14.1	26.6		1	WG2230114	
MTWA0216MC004	L1707419-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.232	1.30		1	WG2230114	
MTWA0216MC004	L1707419-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.407	2.01		1	WG2230114	
MTWA0216MC004	L1707419-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.262	0.910		1	WG2230114	
MTWA0216MC004	L1707419-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.48	4.37		1	WG2230114	
MTWA0216MC004	L1707419-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.563	2.12		1	WG2230114	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp	
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc	
MTWA0216MC001B	L1707419-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.05	7.25		1	WG2230114	3 Ss
MTWA0216MC001B	L1707419-05	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	2.98	5.00	B J J4	1	WG2230114	4 Cn
MTWA0216MC001B	L1707419-05	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.84	3.99	J	1	WG2230114	5 Ds
MTWA0216MC001B	L1707419-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.237	0.757		1	WG2230114	6 Sr
MTWA0216MC001B	L1707419-05	Butane	106-97-8	58	0.0522	0.200	0.474	0.647	1.53		1	WG2230114	7 Qc
MTWA0216MC001B	L1707419-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.610	1.26		1	WG2230114	8 Gl
MTWA0216MC001B	L1707419-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	20.4	38.5		1	WG2230114	9 Al
MTWA0216MC001B	L1707419-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.223	1.25		1	WG2230114	10 Sc
MTWA0216MC001B	L1707419-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.380	1.88		1	WG2230114	
MTWA0216MC001B	L1707419-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.286	0.993		1	WG2230114	
MTWA0216MC001B	L1707419-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.715	2.11		1	WG2230114	
MTWA0216MC001B	L1707419-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.47	5.54		1	WG2230114	
MTWA0216MC001B	L1707419-05	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.448	1.94		1	WG2230114	
MTWA0216MC002B	L1707419-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	5.49	13.0		1	WG2230114	
MTWA0216MC002B	L1707419-06	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.22	5.41	B J J4	1	WG2230114	
MTWA0216MC002B	L1707419-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.264	0.843		1	WG2230114	
MTWA0216MC002B	L1707419-06	Butane	106-97-8	58	0.0522	0.200	0.474	0.628	1.49		1	WG2230114	
MTWA0216MC002B	L1707419-06	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.140	0.436	J	1	WG2230114	
MTWA0216MC002B	L1707419-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.699	1.44		1	WG2230114	
MTWA0216MC002B	L1707419-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	16.2	30.5		1	WG2230114	
MTWA0216MC002B	L1707419-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.225	1.26		1	WG2230114	
MTWA0216MC002B	L1707419-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.398	1.97		1	WG2230114	
MTWA0216MC002B	L1707419-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.288	1.00		1	WG2230114	
MTWA0216MC002B	L1707419-06	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.780	2.30		1	WG2230114	
MTWA0216MC002B	L1707419-06	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.20	4.52		1	WG2230114	
MTWA0216MC003B	L1707419-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.25	7.72		1	WG2230114	
MTWA0216MC003B	L1707419-07	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.08	5.17	B J J4	1	WG2230114	
MTWA0216MC003B	L1707419-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.241	0.770		1	WG2230114	
MTWA0216MC003B	L1707419-07	Butane	106-97-8	58	0.0522	0.200	0.474	0.856	2.03		1	WG2230114	
MTWA0216MC003B	L1707419-07	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.132	0.411	J	1	WG2230114	
MTWA0216MC003B	L1707419-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.684	1.41		1	WG2230114	
MTWA0216MC003B	L1707419-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	13.1	24.7		1	WG2230114	
MTWA0216MC003B	L1707419-07	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.280	1.21		1	WG2230114	
MTWA0216MC003B	L1707419-07	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.276	1.35		1	WG2230114	
MTWA0216MC003B	L1707419-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.225	1.26		1	WG2230114	
MTWA0216MC003B	L1707419-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.407	2.01		1	WG2230114	
MTWA0216MC003B	L1707419-07	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.708	2.50		1	WG2230114	
MTWA0216MC003B	L1707419-07	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.311	1.08		1	WG2230114	
MTWA0216MC003B	L1707419-07	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.06	3.13		1	WG2230114	
MTWA0216MC003B	L1707419-07	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.88	4.62		1	WG2230114	
MTWA0216MC003B	L1707419-07	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.46	9.27		1	WG2230114	
MTWA0216MC003B	L1707419-07	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.277	1.36		1	WG2230114	
MTWA0216MC003B	L1707419-07	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.18	5.12		1	WG2230114	
MTWA0216MC003B	L1707419-07	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.506	2.19		1	WG2230114	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch	
					ppbv	ppbv	ug/m3	ppbv	ug/m3				
MTWA0216MC004B	L1707419-08	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.22	10.0		1	WG2230114	¹ Cp
MTWA0216MC004B	L1707419-08	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	5.37	9.02	J4	1	WG2230114	² Tc
MTWA0216MC004B	L1707419-08	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.499	1.59		1	WG2230114	³ Ss
MTWA0216MC004B	L1707419-08	Butane	106-97-8	58	0.0522	0.200	0.474	0.677	1.61		1	WG2230114	
MTWA0216MC004B	L1707419-08	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.673	1.39		1	WG2230114	⁴ Cn
MTWA0216MC004B	L1707419-08	Ethanol	64-17-5	46.10	0.265	2.50	4.71	24.7	46.6		1	WG2230114	
MTWA0216MC004B	L1707419-08	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.265	1.15		1	WG2230114	
MTWA0216MC004B	L1707419-08	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.225	1.26		1	WG2230114	⁵ Ds
MTWA0216MC004B	L1707419-08	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.391	1.93		1	WG2230114	
MTWA0216MC004B	L1707419-08	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0826	0.633	J	1	WG2230114	⁶ Sr
MTWA0216MC004B	L1707419-08	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.537	1.89	J	1	WG2230114	
MTWA0216MC004B	L1707419-08	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.371	1.29		1	WG2230114	⁷ Qc
MTWA0216MC004B	L1707419-08	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.580	1.71		1	WG2230114	
MTWA0216MC004B	L1707419-08	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.11	5.19		1	WG2230114	⁸ Gl
MTWA0216MC004B	L1707419-08	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.93	11.0		1	WG2230114	
MTWA0216MC004B	L1707419-08	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.689	2.99		1	WG2230114	⁹ Al
MTWA0216MC004B	L1707419-08	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.245	1.06		1	WG2230114	¹⁰ Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	8.89	21.1		1	WG2230114
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	6.33	10.6	J4	1	WG2230114
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2230114
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2230114
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.214	0.684		1	WG2230114
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230114
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230114
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230114
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2230114
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2230114
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2230114
Butane	106-97-8	58	0.0522	0.200	0.474	0.848	2.01		1	WG2230114
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.286	0.890		1	WG2230114
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0908	0.572	J	1	WG2230114
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230114
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2230114
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2230114
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.731	1.51		1	WG2230114
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230114
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2230114
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230114
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230114
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230114
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230114
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230114
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230114
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230114
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2230114
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2230114
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2230114
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2230114
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230114
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230114
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230114
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230114
Ethanol	64-17-5	46.10	0.265	2.50	4.71	16.0	30.2		1	WG2230114
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2230114
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230114
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.263	1.48		1	WG2230114
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.425	2.10		1	WG2230114
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0838	0.642	J	1	WG2230114
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2230114
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230114
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230114
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2230114
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230114
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.371	1.29		1	WG2230114
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230114
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.493	1.45	J	1	WG2230114
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2230114
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230114
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2230114
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230114
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230114
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.597	1.76		1	WG2230114
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.22	7.92		1	WG2230114

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2230114
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230114
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230114
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230114
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2230114
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.748	2.82		1	WG2230114
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230114
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2230114
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230114
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230114
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230114
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230114
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2230114
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2230114
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2230114
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2230114
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.164	0.711	J	1	WG2230114
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2230114
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.5				WG2230114

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	7.08	16.8		1	WG2230114
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	2.28	3.83	B J J4	1	WG2230114
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2230114
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2230114
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.205	0.655		1	WG2230114
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230114
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230114
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230114
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2230114
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2230114
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2230114
Butane	106-97-8	58	0.0522	0.200	0.474	0.748	1.77		1	WG2230114
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.125	0.389	J	1	WG2230114
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2230114
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230114
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2230114
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2230114
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.683	1.41		1	WG2230114
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230114
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2230114
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230114
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230114
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230114
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230114
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230114
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230114
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230114
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2230114
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2230114
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2230114
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2230114
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230114
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230114
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230114
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230114
Ethanol	64-17-5	46.10	0.265	2.50	4.71	19.6	37.0		1	WG2230114
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2230114
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230114
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.242	1.36		1	WG2230114
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.462	2.28		1	WG2230114
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2230114
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2230114
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230114
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230114
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2230114
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230114
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.527	1.83		1	WG2230114
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230114
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2230114
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2230114
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230114
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2230114
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230114
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230114
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.892	2.63		1	WG2230114
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.91	4.69		1	WG2230114



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2230114
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230114
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230114
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230114
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2230114
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.01	3.80		1	WG2230114
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230114
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2230114
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230114
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230114
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230114
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230114
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2230114
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2230114
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2230114
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2230114
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2230114
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2230114
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		99.5				WG2230114

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.58	8.51		1	WG2230114
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.27	5.49	B J J4	1	WG2230114
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2230114
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2230114
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.263	0.840		1	WG2230114
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230114
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230114
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230114
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2230114
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2230114
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2230114
Butane	106-97-8	58	0.0522	0.200	0.474	0.610	1.45		1	WG2230114
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.120	0.373	J	1	WG2230114
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2230114
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230114
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2230114
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2230114
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.701	1.45		1	WG2230114
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230114
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2230114
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230114
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230114
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230114
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230114
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230114
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230114
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230114
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2230114
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2230114
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2230114
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2230114
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230114
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230114
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230114
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230114
Ethanol	64-17-5	46.10	0.265	2.50	4.71	16.4	30.9		1	WG2230114
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2230114
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230114
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.239	1.34		1	WG2230114
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.431	2.13		1	WG2230114
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2230114
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2230114
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230114
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230114
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2230114
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230114
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.235	0.816		1	WG2230114
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230114
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2230114
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2230114
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230114
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2230114
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230114
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230114
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.346	1.02		1	WG2230114
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	U	U		1	WG2230114

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2230114
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230114
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230114
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230114
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2230114
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.06	3.99		1	WG2230114
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230114
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2230114
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230114
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230114
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230114
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230114
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2230114
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2230114
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2230114
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2230114
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2230114
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2230114
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		99.8				WG2230114

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.23	5.30		1	WG2230114
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.19	5.36	B J J4	1	WG2230114
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2230114
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2230114
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.207	0.661		1	WG2230114
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230114
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230114
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230114
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2230114
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2230114
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2230114
Butane	106-97-8	58	0.0522	0.200	0.474	0.540	1.28		1	WG2230114
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2230114
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2230114
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230114
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2230114
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2230114
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.603	1.25		1	WG2230114
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230114
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2230114
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230114
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230114
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230114
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230114
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230114
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230114
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230114
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2230114
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2230114
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2230114
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2230114
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230114
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230114
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230114
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230114
Ethanol	64-17-5	46.10	0.265	2.50	4.71	14.1	26.6		1	WG2230114
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2230114
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230114
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.232	1.30		1	WG2230114
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.407	2.01		1	WG2230114
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2230114
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2230114
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230114
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230114
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2230114
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230114
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.262	0.910		1	WG2230114
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230114
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2230114
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2230114
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230114
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2230114
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230114
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230114
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.48	4.37		1	WG2230114
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	U	U		1	WG2230114

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2230114
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230114
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230114
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230114
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2230114
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.563	2.12		1	WG2230114
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230114
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2230114
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230114
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230114
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230114
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230114
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2230114
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2230114
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2230114
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2230114
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2230114
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2230114
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		99.5				WG2230114

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.05	7.25		1	WG2230114
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	2.98	5.00	B J J4	1	WG2230114
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.84	3.99	J	1	WG2230114
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2230114
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.237	0.757		1	WG2230114
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230114
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230114
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230114
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2230114
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2230114
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2230114
Butane	106-97-8	58	0.0522	0.200	0.474	0.647	1.53		1	WG2230114
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2230114
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2230114
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230114
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2230114
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2230114
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.610	1.26		1	WG2230114
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230114
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2230114
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230114
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230114
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230114
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230114
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230114
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230114
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230114
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2230114
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2230114
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2230114
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2230114
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230114
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230114
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230114
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230114
Ethanol	64-17-5	46.10	0.265	2.50	4.71	20.4	38.5		1	WG2230114
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2230114
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230114
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.223	1.25		1	WG2230114
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.380	1.88		1	WG2230114
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2230114
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2230114
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230114
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230114
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2230114
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230114
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.286	0.993		1	WG2230114
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230114
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2230114
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2230114
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230114
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2230114
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230114
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230114
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.715	2.11		1	WG2230114
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	U	U		1	WG2230114

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2230114
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230114
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230114
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230114
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2230114
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.47	5.54		1	WG2230114
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230114
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2230114
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230114
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230114
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230114
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230114
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2230114
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2230114
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2230114
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2230114
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.448	1.94		1	WG2230114
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2230114
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.8				WG2230114

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	5.49	13.0		1	WG2230114
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.22	5.41	B J J4	1	WG2230114
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2230114
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2230114
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.264	0.843		1	WG2230114
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230114
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230114
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230114
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2230114
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2230114
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2230114
Butane	106-97-8	58	0.0522	0.200	0.474	0.628	1.49		1	WG2230114
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.140	0.436	J	1	WG2230114
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2230114
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230114
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2230114
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2230114
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.699	1.44		1	WG2230114
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230114
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2230114
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230114
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230114
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230114
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230114
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230114
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230114
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230114
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2230114
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2230114
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2230114
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2230114
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230114
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230114
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230114
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230114
Ethanol	64-17-5	46.10	0.265	2.50	4.71	16.2	30.5		1	WG2230114
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2230114
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230114
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.225	1.26		1	WG2230114
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.398	1.97		1	WG2230114
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2230114
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2230114
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230114
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230114
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2230114
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230114
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.288	1.00		1	WG2230114
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230114
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2230114
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2230114
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230114
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2230114
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230114
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230114
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.780	2.30		1	WG2230114
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	U	U		1	WG2230114

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2230114
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230114
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230114
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230114
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2230114
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.20	4.52		1	WG2230114
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230114
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2230114
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230114
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230114
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230114
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230114
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2230114
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2230114
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2230114
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2230114
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2230114
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2230114
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.6				WG2230114

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.25	7.72		1	WG2230114
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.08	5.17	B J J4	1	WG2230114
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2230114
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2230114
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.241	0.770		1	WG2230114
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230114
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230114
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230114
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2230114
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2230114
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2230114
Butane	106-97-8	58	0.0522	0.200	0.474	0.856	2.03		1	WG2230114
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.132	0.411	J	1	WG2230114
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2230114
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230114
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2230114
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2230114
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.684	1.41		1	WG2230114
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230114
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2230114
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230114
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230114
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230114
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230114
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230114
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230114
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230114
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2230114
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2230114
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2230114
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2230114
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230114
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230114
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230114
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230114
Ethanol	64-17-5	46.10	0.265	2.50	4.71	13.1	24.7		1	WG2230114
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.280	1.21		1	WG2230114
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.276	1.35		1	WG2230114
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.225	1.26		1	WG2230114
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.407	2.01		1	WG2230114
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2230114
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2230114
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230114
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230114
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.708	2.50		1	WG2230114
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230114
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.311	1.08		1	WG2230114
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230114
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2230114
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2230114
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230114
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2230114
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230114
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230114
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.06	3.13		1	WG2230114
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.88	4.62		1	WG2230114

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2230114
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230114
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230114
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230114
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2230114
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.46	9.27		1	WG2230114
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230114
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2230114
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230114
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230114
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.277	1.36		1	WG2230114
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230114
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2230114
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2230114
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2230114
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2230114
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.18	5.12		1	WG2230114
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.506	2.19		1	WG2230114
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.4				WG2230114

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.22	10.0		1	WG2230114
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	5.37	9.02	J4	1	WG2230114
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2230114
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2230114
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.499	1.59		1	WG2230114
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230114
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230114
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230114
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2230114
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2230114
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2230114
Butane	106-97-8	58	0.0522	0.200	0.474	0.677	1.61		1	WG2230114
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2230114
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2230114
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230114
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2230114
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2230114
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.673	1.39		1	WG2230114
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230114
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2230114
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230114
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230114
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230114
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230114
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230114
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230114
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230114
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2230114
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2230114
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2230114
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2230114
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230114
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230114
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230114
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230114
Ethanol	64-17-5	46.10	0.265	2.50	4.71	24.7	46.6		1	WG2230114
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.265	1.15		1	WG2230114
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230114
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.225	1.26		1	WG2230114
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.391	1.93		1	WG2230114
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0826	0.633	J	1	WG2230114
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2230114
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230114
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230114
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.537	1.89	J	1	WG2230114
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230114
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.371	1.29		1	WG2230114
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230114
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2230114
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2230114
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230114
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2230114
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230114
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230114
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.580	1.71		1	WG2230114
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.11	5.19		1	WG2230114

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2230114
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230114
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230114
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230114
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2230114
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.93	11.0		1	WG2230114
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230114
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2230114
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230114
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230114
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230114
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230114
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2230114
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2230114
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2230114
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2230114
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.689	2.99		1	WG2230114
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.245	1.06		1	WG2230114
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		99.5				WG2230114

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4036238-3 02/20/24 10:51

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	0.460	U	0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.658	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4036238-3 02/20/24 10:51

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	99.3			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4036238-1 02/20/24 09:34 • (LCSD) R4036238-2 02/20/24 10:13

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.23	4.27	113	114	70.0-130			0.941	25
Acetonitrile	18.8	24.6	23.3	131	124	70.0-130	J4		5.43	25
Acrylonitrile	3.75	4.38	4.33	117	115	70.0-130			1.15	25
Allyl chloride	3.75	4.03	4.31	107	115	70.0-130			6.71	25
Benzene	3.75	4.19	4.26	112	114	70.0-130			1.66	25
Benzyl Chloride	3.75	3.77	3.81	101	102	70.0-152			1.06	25
Bromodichloromethane	3.75	4.23	4.22	113	113	70.0-130			0.237	25
Bromoform	3.75	3.75	3.82	100	102	70.0-130			1.85	25
Bromomethane	3.75	3.12	3.13	83.2	83.5	70.0-130			0.320	25
Bromoethane	3.75	4.10	4.05	109	108	70.0-130			1.23	25
1,3-Butadiene	3.75	3.17	3.27	84.5	87.2	70.0-130			3.11	25
Butane	3.75	3.07	3.13	81.9	83.5	70.0-130			1.94	25
Carbon disulfide	3.75	4.02	4.08	107	109	70.0-130			1.48	25
Carbon tetrachloride	3.75	4.00	4.03	107	107	70.0-130			0.747	25
Chlorobenzene	3.75	4.02	3.98	107	106	70.0-130			1.00	25
Chloroethane	3.75	3.57	3.84	95.2	102	70.0-130			7.29	25
Chloroform	3.75	4.10	4.12	109	110	70.0-130			0.487	25
Chloromethane	3.75	3.67	3.78	97.9	101	70.0-130			2.95	25
2-Chlorotoluene	3.75	3.82	3.85	102	103	70.0-130			0.782	25
Cyclohexane	3.75	4.18	4.19	111	112	70.0-130			0.239	25
n-Decane	3.75	4.17	4.19	111	112	70.0-130			0.478	25
Dibromochloromethane	3.75	4.08	4.02	109	107	70.0-130			1.48	25
1,2-Dibromoethane	3.75	4.14	4.10	110	109	70.0-130			0.971	25
1,2-Dichlorobenzene	3.75	3.63	3.61	96.8	96.3	70.0-130			0.552	25
1,3-Dichlorobenzene	3.75	3.60	3.60	96.0	96.0	70.0-130			0.000	25
1,4-Dichlorobenzene	3.75	3.61	3.65	96.3	97.3	70.0-130			1.10	25
1,2-Dichloroethane	3.75	4.08	4.13	109	110	70.0-130			1.22	25
1,1-Dichloroethane	3.75	4.37	4.34	117	116	70.0-130			0.689	25
1,1-Dichloroethene	3.75	4.35	4.26	116	114	70.0-130			2.09	25
cis-1,2-Dichloroethene	3.75	4.39	4.36	117	116	70.0-130			0.686	25
trans-1,2-Dichloroethene	3.75	4.33	4.19	115	112	70.0-130			3.29	25
1,2-Dichloropropane	3.75	4.29	4.44	114	118	70.0-130			3.44	25
cis-1,3-Dichloropropene	3.75	4.26	4.22	114	113	70.0-130			0.943	25
trans-1,3-Dichloropropene	3.75	4.15	4.30	111	115	70.0-130			3.55	25
1,4-Dioxane	3.75	4.12	4.00	110	107	70.0-140			2.96	25
Ethanol	3.75	4.53	4.36	121	116	55.0-148			3.82	25
Ethylbenzene	3.75	4.04	4.14	108	110	70.0-130			2.44	25
4-Ethyltoluene	3.75	3.75	3.76	100	100	70.0-130			0.266	25
Trichlorofluoromethane	3.75	4.11	4.09	110	109	70.0-130			0.488	25
Dichlorodifluoromethane	3.75	3.65	3.68	97.3	98.1	64.0-139			0.819	25

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4036238-1 02/20/24 09:34 • (LCSD) R4036238-2 02/20/24 10:13

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.03	4.14	107	110	70.0-130			2.69	25
1,2-Dichlorotetrafluoroethane	3.75	3.74	3.81	99.7	102	70.0-130			1.85	25
Heptane	3.75	4.50	4.54	120	121	70.0-130			0.885	25
Hexachloro-1,3-butadiene	3.75	3.69	3.76	98.4	100	70.0-151			1.88	25
n-Hexane	3.75	4.39	4.43	117	118	70.0-130			0.907	25
Isopropylbenzene	3.75	3.85	3.94	103	105	70.0-130			2.31	25
Methylene Chloride	3.75	4.33	4.22	115	113	70.0-130			2.57	25
Methyl Butyl Ketone	3.75	4.67	4.67	125	125	70.0-149			0.000	25
2-Butanone (MEK)	3.75	4.18	4.12	111	110	70.0-130			1.45	25
4-Methyl-2-pentanone (MIBK)	3.75	4.75	4.68	127	125	70.0-139			1.48	25
Methyl methacrylate	3.75	4.08	4.13	109	110	70.0-130			1.22	25
MTBE	3.75	4.11	4.14	110	110	70.0-130			0.727	25
Naphthalene	3.75	3.84	3.86	102	103	70.0-159			0.519	25
Nonane	3.75	4.33	4.31	115	115	70.0-130			0.463	25
Pentane	3.75	4.43	4.49	118	120	70.0-130			1.35	25
2-Propanol	3.75	4.54	4.46	121	119	70.0-139			1.78	25
Propene	3.75	3.65	3.74	97.3	99.7	64.0-144			2.44	25
Styrene	3.75	3.94	4.04	105	108	70.0-130			2.51	25
1,1,2,2-Tetrachloroethane	3.75	3.82	3.83	102	102	70.0-130			0.261	25
Tetrachloroethylene	3.75	3.85	3.90	103	104	70.0-130			1.29	25
Tetrahydrofuran	3.75	4.38	4.44	117	118	70.0-137			1.36	25
Toluene	3.75	4.07	4.11	109	110	70.0-130			0.978	25
1,2,4-Trichlorobenzene	3.75	3.76	3.81	100	102	70.0-160			1.32	25
1,1,1-Trichloroethane	3.75	4.07	4.09	109	109	70.0-130			0.490	25
1,1,2-Trichloroethane	3.75	4.17	4.19	111	112	70.0-130			0.478	25
Trichloroethylene	3.75	4.09	4.05	109	108	70.0-130			0.983	25
1,2,4-Trimethylbenzene	3.75	3.69	3.71	98.4	98.9	70.0-130			0.541	25
1,3,5-Trimethylbenzene	3.75	3.70	3.65	98.7	97.3	70.0-130			1.36	25
2,2,4-Trimethylpentane	3.75	4.44	4.45	118	119	70.0-130			0.225	25
Vinyl chloride	3.75	3.25	3.29	86.7	87.7	70.0-130			1.22	25
Vinyl Bromide	3.75	4.00	4.06	107	108	70.0-130			1.49	25
Vinyl acetate	3.75	4.08	4.36	109	116	70.0-130			6.64	25
m&p-Xylene	7.50	8.18	8.40	109	112	70.0-130			2.65	25
o-Xylene	3.75	3.93	4.03	105	107	70.0-130			2.51	25
(S) 1,4-Bromofluorobenzene				95.3	97.1	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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.
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
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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





CHAIN OF C

Sample Receipt Checklist
COC Seal Present/Intact: ☒ Y ☐ N
COC Signed/Accurate: ☒ Y ☐ N Size: 8 1L
Bottles arrive intact: ☒ Y ☐ N Tag Color: G W P B
Correct bottles used: ☒ Y ☐ N Tubing Shunt

FORM

J206

T/P#:

CTEH Project #55520

Send Report to ahenault@cteh.com, mreilly@cteh.com
Company CTEH, LLC
Address 5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone (501)801-8500
e-mail labresults@cteh.com
Accounting Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

Turnaround Requested: ☐ Normal ☐ Same Day ☒ Next Day☐ Two Day ☐ Other (Specify) _____Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☒Retain w/ storage fees after 2X hold time ☐

L1707419

Lab Contact Information	Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method				Matrix A = air B = bulk S = soil SW = wipe T = tape W = water
											T0-15				
	MTWA0216MC001	028050	009481	02/16/24	0441	02/16/24	2240	-28	-10	MK	✓				A -01
	MTWA0216MC002	028614	029254	02/16/24	0455	02/16/24	2309	-27	0	MK	✓				A -02
	MTWA0216MC003	012893	015638	02/16/24	0514	02/16/24	2324	-28	-7	MK	✓				A -03
	MTWA0216MC004	008244	011635	02/16/24	0534	02/16/24	2337	-28	-8	MK	✓				A -04
	MTWA0216MC001B	015659	023562	02/16/24	2300	02/17/24	1716	-29	-7	MK	✓				A -05
	MTWA0216MC002B	028663	029289	02/16/24	2314	02/17/24	1731	-28	-8	MK	✓				A -06
	MTWA0216MC003B	028030	009571	02/16/24	2329	02/17/24	1746	-29	-9	MK	✓				A -07
	MTWA0216MC004B	029352	029331	02/16/24	2346	02/17/24	1758	-29	-9	MK	✓				A -08

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Madelyn Linkeremen	02/19/24 10:22	<i>[Signature]</i>	2/19/24 1023	fanner 2-20-24 0900
Madelyn Kline	2/19/24 1022	Fed Ex	2/19/24 1056	

CTEH - ER

Sample Delivery Group: L1707671
Samples Received: 02/21/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0218MC001 L1707671-01 Air

				Collected by MK	Collected date/time 02/19/24 12:58	Received date/time 02/21/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230969	1	02/21/24 20:11	02/21/24 20:11	SDS	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2231677	1	02/22/24 14:31	02/22/24 14:31	DAH	Mt. Juliet, TN

MTWA0218MC001CL L1707671-02 Air

				Collected by MK	Collected date/time 02/19/24 12:54	Received date/time 02/21/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230969	1	02/21/24 20:54	02/21/24 20:54	SDS	Mt. Juliet, TN

MTWA0218MC002 L1707671-03 Air

				Collected by MK	Collected date/time 02/19/24 13:09	Received date/time 02/21/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230969	1	02/21/24 21:37	02/21/24 21:37	SDS	Mt. Juliet, TN

MTWA0218MC003 L1707671-04 Air

				Collected by MK	Collected date/time 02/19/24 12:46	Received date/time 02/21/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230969	1	02/21/24 22:20	02/21/24 22:20	SDS	Mt. Juliet, TN

MTWA0218MC004 L1707671-05 Air

				Collected by MK	Collected date/time 02/19/24 15:47	Received date/time 02/21/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230969	1	02/21/24 23:03	02/21/24 23:03	SDS	Mt. Juliet, TN



CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2230969	L1707671-03	2-Propanol and Ethanol

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2230969	Acetonitrile	L1707671-02, 04, 05

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2230969	(LCSD) R4036821-2, L1707671-02, 03, 04, 05	Pentane



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc
MTWA0218MC001	L1707671-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.00	14.3	1	WG2231677	3 Ss
MTWA0218MC001	L1707671-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	444	745	1	WG2231677	4 Cn
MTWA0218MC001	L1707671-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.424	1.35	1	WG2230969	5 Ds
MTWA0218MC001	L1707671-01	Butane	106-97-8	58	0.0522	0.200	0.474	1.27	3.01	1	WG2231677	6 Sr
MTWA0218MC001	L1707671-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.766	1.58	1	WG2231677	7 Qc
MTWA0218MC001	L1707671-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	97.9	185	1	WG2231677	8 Gl
MTWA0218MC001	L1707671-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.283	1.59	1	WG2231677	9 Al
MTWA0218MC001	L1707671-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.552	2.73	1	WG2231677	10 Sc
MTWA0218MC001	L1707671-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	1.43	4.97	1	WG2231677	
MTWA0218MC001	L1707671-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.28	3.78	1	WG2231677	
MTWA0218MC001	L1707671-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	23.2	57.0	1	WG2231677	
MTWA0218MC001	L1707671-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.08	4.07	1	WG2230969	
MTWA0218MC001	L1707671-01	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.238	1.03	<u>J</u>	WG2230969	
MTWA0218MC001CL	L1707671-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.80	11.4	1	WG2230969	
MTWA0218MC001CL	L1707671-02	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.52	2.55	<u>B J</u>	WG2230969	
MTWA0218MC001CL	L1707671-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.270	0.862	1	WG2230969	
MTWA0218MC001CL	L1707671-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.735	1.74	1	WG2230969	
MTWA0218MC001CL	L1707671-02	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.105	0.327	<u>J</u>	WG2230969	
MTWA0218MC001CL	L1707671-02	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0900	0.567	<u>J</u>	WG2230969	
MTWA0218MC001CL	L1707671-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.661	1.37	1	WG2230969	
MTWA0218MC001CL	L1707671-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	12.9	24.3	1	WG2230969	
MTWA0218MC001CL	L1707671-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.277	1.56	1	WG2230969	
MTWA0218MC001CL	L1707671-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.573	2.83	1	WG2230969	
MTWA0218MC001CL	L1707671-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.219	0.760	1	WG2230969	
MTWA0218MC001CL	L1707671-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.337	0.994	<u>J</u>	WG2230969	
MTWA0218MC001CL	L1707671-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.269	0.794	<u>J3</u>	WG2230969	
MTWA0218MC001CL	L1707671-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.497	1.22	<u>J</u>	WG2230969	
MTWA0218MC001CL	L1707671-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.708	2.67	1	WG2230969	
MTWA0218MC002	L1707671-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	8.05	19.1	1	WG2230969	
MTWA0218MC002	L1707671-03	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	266	447	1	WG2230969	
MTWA0218MC002	L1707671-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.217	0.693	1	WG2230969	
MTWA0218MC002	L1707671-03	Butane	106-97-8	58	0.0522	0.200	0.474	24.6	58.4	1	WG2230969	
MTWA0218MC002	L1707671-03	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0877	0.552	<u>J</u>	WG2230969	
MTWA0218MC002	L1707671-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.674	1.39	1	WG2230969	
MTWA0218MC002	L1707671-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	410	773	<u>E</u>	WG2230969	
MTWA0218MC002	L1707671-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.262	1.47	1	WG2230969	
MTWA0218MC002	L1707671-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.632	3.13	1	WG2230969	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

												1 Cp	
			CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	2 Tc
Client ID	Lab Sample ID	Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3				3 Ss
MTWA0218MC002	L1707671-03	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0829	0.635	J	1	WG2230969	4 Cn
MTWA0218MC002	L1707671-03	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.247	0.871	J	1	WG2230969	5 Ds
MTWA0218MC002	L1707671-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	2.20	7.64		1	WG2230969	6 Sr
MTWA0218MC002	L1707671-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.548	1.62	J	1	WG2230969	7 Qc
MTWA0218MC002	L1707671-03	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.113	0.463	J	1	WG2230969	8 Gl
MTWA0218MC002	L1707671-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	2.53	7.47	J3	1	WG2230969	9 Al
MTWA0218MC002	L1707671-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	122	300	E	1	WG2230969	10 Sc
MTWA0218MC002	L1707671-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.973	3.67		1	WG2230969	
MTWA0218MC002	L1707671-03	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.151	0.655	J	1	WG2230969	
MTWA0218MC003	L1707671-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.03	9.58		1	WG2230969	
MTWA0218MC003	L1707671-04	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.23	2.07	B J	1	WG2230969	
MTWA0218MC003	L1707671-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.247	0.789		1	WG2230969	
MTWA0218MC003	L1707671-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.738	1.75		1	WG2230969	
MTWA0218MC003	L1707671-04	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.210	0.654		1	WG2230969	
MTWA0218MC003	L1707671-04	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0896	0.564	J	1	WG2230969	
MTWA0218MC003	L1707671-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.558	1.15		1	WG2230969	
MTWA0218MC003	L1707671-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.89	14.9		1	WG2230969	
MTWA0218MC003	L1707671-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.220	1.24		1	WG2230969	
MTWA0218MC003	L1707671-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.544	2.69		1	WG2230969	
MTWA0218MC003	L1707671-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.230	0.799		1	WG2230969	
MTWA0218MC003	L1707671-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.318	0.938	J	1	WG2230969	
MTWA0218MC003	L1707671-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.265	0.782	J3	1	WG2230969	
MTWA0218MC003	L1707671-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.481	1.18	J	1	WG2230969	
MTWA0218MC003	L1707671-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.624	2.35		1	WG2230969	
MTWA0218MC004	L1707671-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.95	7.01		1	WG2230969	
MTWA0218MC004	L1707671-05	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.32	2.22	B J	1	WG2230969	
MTWA0218MC004	L1707671-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.209	0.668		1	WG2230969	
MTWA0218MC004	L1707671-05	Butane	106-97-8	58	0.0522	0.200	0.474	0.825	1.96		1	WG2230969	
MTWA0218MC004	L1707671-05	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0927	0.584	J	1	WG2230969	
MTWA0218MC004	L1707671-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.610	1.26		1	WG2230969	
MTWA0218MC004	L1707671-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.73	14.6		1	WG2230969	
MTWA0218MC004	L1707671-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.238	1.34		1	WG2230969	
MTWA0218MC004	L1707671-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.610	3.02		1	WG2230969	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Diluti on	Batch	1 Cp
MTWA0218MC004	L1707671-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.193	0.670	J	1	WG223096 9	2 Tc
MTWA0218MC004	L1707671-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.268	0.790	J	1	WG223096 9	3 Ss
MTWA0218MC004	L1707671-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.384	1.13	J3	1	WG223096 9	4 Cn
MTWA0218MC004	L1707671-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.975	2.40	J	1	WG223096 9	5 Ds
MTWA0218MC004	L1707671-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.552	2.08		1	WG223096 9	6 Sr
													7 Qc
													8 Gl
													9 Al
													10 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.00	14.3		1	WG2231677
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	444	745		1	WG2231677
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2231677
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2231677
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.424	1.35		1	WG2230969
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230969
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230969
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230969
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2231677
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2231677
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2231677
Butane	106-97-8	58	0.0522	0.200	0.474	1.27	3.01		1	WG2231677
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2231677
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2231677
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230969
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2231677
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2231677
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.766	1.58		1	WG2231677
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230969
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2231677
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230969
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230969
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230969
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230969
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230969
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230969
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230969
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2231677
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2231677
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2231677
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2231677
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230969
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230969
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230969
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230969
Ethanol	64-17-5	46.10	0.265	2.50	4.71	97.9	185		1	WG2231677
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2230969
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230969
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.283	1.59		1	WG2231677
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.552	2.73		1	WG2231677
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2231677
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2231677
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230969
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230969
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2231677
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230969
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	1.43	4.97		1	WG2231677
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230969
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2231677
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2230969
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230969
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2231677
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230969
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230969
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.28	3.78		1	WG2231677
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	23.2	57.0		1	WG2231677



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2231677
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230969
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230969
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230969
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2231677
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.08	4.07		1	WG2230969
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230969
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2231677
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230969
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230969
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230969
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230969
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2231677
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2231677
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2231677
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2231677
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.238	1.03	J	1	WG2230969
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2230969
^(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		100				WG2230969
^(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		102				WG2231677

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.80	11.4		1	WG2230969
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.52	2.55	B J	1	WG2230969
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2230969
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2230969
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.270	0.862		1	WG2230969
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230969
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230969
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230969
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2230969
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2230969
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2230969
Butane	106-97-8	58	0.0522	0.200	0.474	0.735	1.74		1	WG2230969
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.105	0.327	J	1	WG2230969
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0900	0.567	J	1	WG2230969
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230969
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2230969
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2230969
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.661	1.37		1	WG2230969
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230969
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2230969
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230969
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230969
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230969
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230969
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230969
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230969
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230969
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2230969
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2230969
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2230969
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2230969
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230969
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230969
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230969
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230969
Ethanol	64-17-5	46.10	0.265	2.50	4.71	12.9	24.3		1	WG2230969
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2230969
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230969
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.277	1.56		1	WG2230969
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.573	2.83		1	WG2230969
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2230969
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2230969
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230969
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230969
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2230969
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230969
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.219	0.760		1	WG2230969
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230969
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.337	0.994	J	1	WG2230969
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2230969
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230969
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2230969
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230969
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230969
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.269	0.794	J3	1	WG2230969
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.497	1.22	J	1	WG2230969



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2230969
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230969
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230969
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230969
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2230969
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.708	2.67		1	WG2230969
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230969
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2230969
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230969
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230969
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230969
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230969
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2230969
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2230969
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2230969
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2230969
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2230969
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2230969
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		102				WG2230969

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	8.05	19.1		1	WG2230969
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	266	447		1	WG2230969
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2230969
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2230969
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.217	0.693		1	WG2230969
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230969
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230969
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230969
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2230969
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2230969
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2230969
Butane	106-97-8	58	0.0522	0.200	0.474	24.6	58.4		1	WG2230969
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2230969
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0877	0.552	J	1	WG2230969
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230969
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2230969
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2230969
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.674	1.39		1	WG2230969
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230969
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2230969
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230969
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230969
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230969
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230969
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230969
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230969
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230969
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2230969
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2230969
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2230969
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2230969
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230969
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230969
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230969
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230969
Ethanol	64-17-5	46.10	0.265	2.50	4.71	410	773	E	1	WG2230969
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2230969
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230969
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.262	1.47		1	WG2230969
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.632	3.13		1	WG2230969
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0829	0.635	J	1	WG2230969
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2230969
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230969
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230969
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.247	0.871	J	1	WG2230969
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230969
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	2.20	7.64		1	WG2230969
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230969
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.548	1.62	J	1	WG2230969
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.113	0.463	J	1	WG2230969
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230969
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2230969
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230969
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230969
Pentane	109-66-0	72.15	0.0503	0.200	0.590	2.53	7.47	J3	1	WG2230969
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	122	300	E	1	WG2230969



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2230969
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230969
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230969
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230969
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2230969
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.973	3.67		1	WG2230969
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230969
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2230969
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230969
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230969
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230969
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230969
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2230969
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2230969
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2230969
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2230969
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.151	0.655	J	1	WG2230969
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2230969
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		102				WG2230969

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.03	9.58		1	WG2230969
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.23	2.07	B J	1	WG2230969
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2230969
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2230969
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.247	0.789		1	WG2230969
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230969
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230969
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230969
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2230969
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2230969
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2230969
Butane	106-97-8	58	0.0522	0.200	0.474	0.738	1.75		1	WG2230969
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.210	0.654		1	WG2230969
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0896	0.564	J	1	WG2230969
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230969
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2230969
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2230969
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.558	1.15		1	WG2230969
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230969
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2230969
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230969
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230969
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230969
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230969
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230969
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230969
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230969
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2230969
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2230969
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2230969
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2230969
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230969
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230969
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230969
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230969
Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.89	14.9		1	WG2230969
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2230969
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230969
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.220	1.24		1	WG2230969
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.544	2.69		1	WG2230969
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2230969
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2230969
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230969
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230969
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2230969
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230969
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.230	0.799		1	WG2230969
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230969
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.318	0.938	J	1	WG2230969
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2230969
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230969
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2230969
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230969
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230969
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.265	0.782	J3	1	WG2230969
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.481	1.18	J	1	WG2230969

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2230969
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230969
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230969
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230969
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2230969
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.624	2.35		1	WG2230969
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230969
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2230969
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230969
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230969
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230969
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230969
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2230969
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2230969
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2230969
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2230969
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2230969
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2230969
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.2				WG2230969

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.95	7.01		1	WG2230969
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.32	2.22	B J	1	WG2230969
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2230969
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2230969
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.209	0.668		1	WG2230969
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230969
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230969
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230969
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2230969
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2230969
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2230969
Butane	106-97-8	58	0.0522	0.200	0.474	0.825	1.96		1	WG2230969
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2230969
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0927	0.584	J	1	WG2230969
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230969
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2230969
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2230969
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.610	1.26		1	WG2230969
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230969
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2230969
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230969
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230969
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230969
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230969
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230969
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230969
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230969
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2230969
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2230969
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2230969
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2230969
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230969
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230969
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230969
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230969
Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.73	14.6		1	WG2230969
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2230969
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230969
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.238	1.34		1	WG2230969
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.610	3.02		1	WG2230969
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2230969
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2230969
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230969
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230969
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2230969
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230969
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.193	0.670	J	1	WG2230969
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230969
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.268	0.790	J	1	WG2230969
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2230969
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230969
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2230969
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230969
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230969
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.384	1.13	J3	1	WG2230969
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.975	2.40	J	1	WG2230969



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2230969
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230969
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230969
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230969
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2230969
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.552	2.08		1	WG2230969
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230969
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2230969
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230969
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230969
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230969
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230969
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2230969
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2230969
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2230969
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2230969
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2230969
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2230969
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		102				WG2230969

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4036821-3 02/21/24 19:11

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	0.388	U	0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.477	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4036821-3 02/21/24 19:11

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	0.0478	U	0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	99.8			60.0-140

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4036821-1 02/21/24 17:45 • (LCSD) R4036821-2 02/21/24 18:29

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	3.76	3.77	100	101	70.0-130			0.266	25
Acetonitrile	18.8	19.4	19.4	103	103	70.0-130			0.000	25
Acrylonitrile	3.75	3.96	3.88	106	103	70.0-130			2.04	25
Allyl chloride	3.75	3.97	3.82	106	102	70.0-130			3.85	25
Benzene	3.75	4.01	4.03	107	107	70.0-130			0.498	25
Benzyl Chloride	3.75	4.35	4.44	116	118	70.0-152			2.05	25
Bromodichloromethane	3.75	4.22	4.33	113	115	70.0-130			2.57	25
Bromoform	3.75	4.30	4.28	115	114	70.0-130			0.466	25
Bromomethane	3.75	4.08	4.08	109	109	70.0-130			0.000	25
Bromoethane	3.75	4.00	4.02	107	107	70.0-130			0.499	25
1,3-Butadiene	3.75	4.07	3.95	109	105	70.0-130			2.99	25
Butane	3.75	4.00	4.04	107	108	70.0-130			0.995	25
Carbon disulfide	3.75	3.75	3.66	100	97.6	70.0-130			2.43	25
Carbon tetrachloride	3.75	4.57	4.55	122	121	70.0-130			0.439	25
Chlorobenzene	3.75	4.15	4.18	111	111	70.0-130			0.720	25
Chloroethane	3.75	4.01	3.32	107	88.5	70.0-130			18.8	25
Chloroform	3.75	4.23	4.18	113	111	70.0-130			1.19	25
Chloromethane	3.75	4.05	4.06	108	108	70.0-130			0.247	25
2-Chlorotoluene	3.75	4.24	4.38	113	117	70.0-130			3.25	25
Cyclohexane	3.75	4.07	4.04	109	108	70.0-130			0.740	25
n-Decane	3.75	4.46	4.51	119	120	70.0-130			1.11	25
Dibromochloromethane	3.75	4.40	4.40	117	117	70.0-130			0.000	25
1,2-Dibromoethane	3.75	4.30	4.33	115	115	70.0-130			0.695	25
1,2-Dichlorobenzene	3.75	4.11	4.13	110	110	70.0-130			0.485	25
1,3-Dichlorobenzene	3.75	4.19	4.26	112	114	70.0-130			1.66	25
1,4-Dichlorobenzene	3.75	4.29	4.36	114	116	70.0-130			1.62	25
1,2-Dichloroethane	3.75	4.58	4.66	122	124	70.0-130			1.73	25
1,1-Dichloroethane	3.75	4.04	3.98	108	106	70.0-130			1.50	25
1,1-Dichloroethene	3.75	4.20	4.32	112	115	70.0-130			2.82	25
cis-1,2-Dichloroethene	3.75	4.13	4.02	110	107	70.0-130			2.70	25
trans-1,2-Dichloroethene	3.75	4.16	4.14	111	110	70.0-130			0.482	25
1,2-Dichloropropane	3.75	3.77	3.84	101	102	70.0-130			1.84	25
cis-1,3-Dichloropropene	3.75	4.29	4.51	114	120	70.0-130			5.00	25
trans-1,3-Dichloropropene	3.75	4.39	4.38	117	117	70.0-130			0.228	25
1,4-Dioxane	3.75	4.00	4.09	107	109	70.0-140			2.22	25
Ethanol	3.75	3.24	2.98	86.4	79.5	55.0-148			8.36	25
Ethylbenzene	3.75	4.07	4.15	109	111	70.0-130			1.95	25
4-Ethyltoluene	3.75	4.18	4.26	111	114	70.0-130			1.90	25
Trichlorofluoromethane	3.75	4.76	3.87	127	103	70.0-130			20.6	25
Dichlorodifluoromethane	3.75	4.71	4.66	126	124	64.0-139			1.07	25

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4036821-1 02/21/24 17:45 • (LCSD) R4036821-2 02/21/24 18:29

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.15	3.74	111	99.7	70.0-130			10.4	25
1,2-Dichlorotetrafluoroethane	3.75	4.43	4.31	118	115	70.0-130			2.75	25
Heptane	3.75	4.12	4.14	110	110	70.0-130			0.484	25
Hexachloro-1,3-butadiene	3.75	4.31	4.36	115	116	70.0-151			1.15	25
n-Hexane	3.75	4.00	4.03	107	107	70.0-130			0.747	25
Isopropylbenzene	3.75	4.23	4.35	113	116	70.0-130			2.80	25
Methylene Chloride	3.75	3.97	4.01	106	107	70.0-130			1.00	25
Methyl Butyl Ketone	3.75	4.54	4.69	121	125	70.0-149			3.25	25
2-Butanone (MEK)	3.75	4.14	3.84	110	102	70.0-130			7.52	25
4-Methyl-2-pentanone (MIBK)	3.75	4.46	4.59	119	122	70.0-139			2.87	25
Methyl methacrylate	3.75	4.10	4.06	109	108	70.0-130			0.980	25
MTBE	3.75	4.40	4.21	117	112	70.0-130			4.41	25
Naphthalene	3.75	4.39	4.44	117	118	70.0-159			1.13	25
Nonane	3.75	4.25	4.26	113	114	70.0-130			0.235	25
Pentane	3.75	4.22	2.83	113	75.5	70.0-130		J3	39.4	25
2-Propanol	3.75	3.93	3.92	105	105	70.0-139			0.255	25
Propene	3.75	4.26	4.23	114	113	64.0-144			0.707	25
Styrene	3.75	4.21	4.31	112	115	70.0-130			2.35	25
1,1,2,2-Tetrachloroethane	3.75	3.90	3.96	104	106	70.0-130			1.53	25
Tetrachloroethylene	3.75	4.30	4.20	115	112	70.0-130			2.35	25
Tetrahydrofuran	3.75	4.08	4.02	109	107	70.0-137			1.48	25
Toluene	3.75	4.14	4.25	110	113	70.0-130			2.62	25
1,2,4-Trichlorobenzene	3.75	4.34	4.45	116	119	70.0-160			2.50	25
1,1,1-Trichloroethane	3.75	4.37	4.36	117	116	70.0-130			0.229	25
1,1,2-Trichloroethane	3.75	4.13	4.08	110	109	70.0-130			1.22	25
Trichloroethylene	3.75	4.09	4.12	109	110	70.0-130			0.731	25
1,2,4-Trimethylbenzene	3.75	4.43	4.46	118	119	70.0-130			0.675	25
1,3,5-Trimethylbenzene	3.75	4.35	4.48	116	119	70.0-130			2.94	25
2,2,4-Trimethylpentane	3.75	3.97	3.96	106	106	70.0-130			0.252	25
Vinyl chloride	3.75	4.25	4.04	113	108	70.0-130			5.07	25
Vinyl Bromide	3.75	4.28	3.39	114	90.4	70.0-130			23.2	25
Vinyl acetate	3.75	4.28	4.12	114	110	70.0-130			3.81	25
m&p-Xylene	7.50	8.73	8.77	116	117	70.0-130			0.457	25
o-Xylene	3.75	4.09	4.30	109	115	70.0-130			5.01	25
(S) 1,4-Bromofluorobenzene				99.7	101	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4037172-3 02/22/24 12:33

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	0.762	U	0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
Cyclohexane	U		0.0753	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
Ethanol	U		0.265	2.50
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
n-Hexane	U		0.206	0.630
Methylene Chloride	U		0.0979	0.200
2-Butanone (MEK)	U		0.0814	1.25
MTBE	U		0.0647	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Tetrahydrofuran	U		0.0734	0.200
1,1,1-Trichloroethane	U		0.0736	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
(S) 1,4-Bromofluorobenzene	100			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4037172-1 02/22/24 09:15 • (LCSD) R4037172-2 02/22/24 10:04

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.87	3.83	103	102	70.0-130			1.04	25
Acetonitrile	18.8	19.1	20.3	102	108	70.0-130			6.09	25
Acrylonitrile	3.75	3.57	3.50	95.2	93.3	70.0-130			1.98	25
Allyl chloride	3.75	4.02	4.17	107	111	70.0-130			3.66	25
Bromomethane	3.75	3.63	3.60	96.8	96.0	70.0-130			0.830	25
Bromoethane	3.75	3.96	4.13	106	110	70.0-130			4.20	25
1,3-Butadiene	3.75	3.73	3.79	99.5	101	70.0-130			1.60	25
Butane	3.75	3.58	3.66	95.5	97.6	70.0-130			2.21	25
Carbon disulfide	3.75	3.98	4.06	106	108	70.0-130			1.99	25
Carbon tetrachloride	3.75	4.13	4.16	110	111	70.0-130			0.724	25
Chloroethane	3.75	3.46	3.53	92.3	94.1	70.0-130			2.00	25
Chloroform	3.75	3.97	3.95	106	105	70.0-130			0.505	25
Chloromethane	3.75	3.84	4.11	102	110	70.0-130			6.79	25
Cyclohexane	3.75	3.78	4.04	101	108	70.0-130			6.65	25
1,1-Dichloroethane	3.75	3.93	3.99	105	106	70.0-130			1.52	25
1,1-Dichloroethene	3.75	4.04	4.03	108	107	70.0-130			0.248	25
cis-1,2-Dichloroethene	3.75	4.02	4.10	107	109	70.0-130			1.97	25
trans-1,2-Dichloroethene	3.75	3.93	4.01	105	107	70.0-130			2.02	25
Ethanol	3.75	3.65	3.72	97.3	99.2	55.0-148			1.90	25
Trichlorofluoromethane	3.75	4.09	4.15	109	111	70.0-130			1.46	25
Dichlorodifluoromethane	3.75	4.01	4.11	107	110	64.0-139			2.46	25
1,1,2-Trichlorotrifluoroethane	3.75	4.15	4.08	111	109	70.0-130			1.70	25
1,2-Dichlorotetrafluoroethane	3.75	4.09	4.09	109	109	70.0-130			0.000	25
n-Hexane	3.75	3.83	3.85	102	103	70.0-130			0.521	25
Methylene Chloride	3.75	4.24	4.28	113	114	70.0-130			0.939	25
2-Butanone (MEK)	3.75	4.11	4.35	110	116	70.0-130			5.67	25
MTBE	3.75	3.80	3.92	101	105	70.0-130			3.11	25
Pentane	3.75	3.54	3.66	94.4	97.6	70.0-130			3.33	25
2-Propanol	3.75	3.56	3.64	94.9	97.1	70.0-139			2.22	25
Propene	3.75	3.32	3.55	88.5	94.7	64.0-144			6.70	25
Tetrahydrofuran	3.75	3.52	3.38	93.9	90.1	70.0-137			4.06	25
1,1,1-Trichloroethane	3.75	3.90	4.07	104	109	70.0-130			4.27	25
2,2,4-Trimethylpentane	3.75	3.88	3.96	103	106	70.0-130			2.04	25
Vinyl chloride	3.75	4.03	4.06	107	108	70.0-130			0.742	25
Vinyl Bromide	3.75	3.89	4.01	104	107	70.0-130			3.04	25
Vinyl acetate	3.75	3.65	3.49	97.3	93.1	70.0-130			4.48	25
(S) 1,4-Bromofluorobenzene				100	97.4	60.0-140				

1

Cp

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Tc

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Ss

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Cn

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Ds

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Sr

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Qc

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Gl

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Al

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Sc

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.
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
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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





THE SCIENCE OF READY™

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

5001

Send Report to	ahenault@cteh.com , mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☐ Same Day ☒ Next Day
☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒
Retain w/ storage fees after 2X hold time ☐ L1707671

[illegible]

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Modilyn Klinkman CTEH	02/20/24 11:45	Kate Weinzierl/CTEH	02/20/24 11:45	
Kate Weinzierl/CTEH	2/20/24 1600	Fedex	02/20/24 1600	2-21-24 o9mc)

SDG # MTWA0218MC

Page 1 of 1

CTEH - ER

Sample Delivery Group: L1707673

Samples Received: 02/21/2024

Project Number: 032692

Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

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

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0217MC001 L1707673-01 Air

				Collected by MK	Collected date/time 02/18/24 14:23	Received date/time 02/21/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230969	1	02/21/24 23:47	02/21/24 23:47	SDS	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2231677	1	02/22/24 16:07	02/22/24 16:07	DAH	Mt. Juliet, TN

MTWA0217MC002 L1707673-02 Air

				Collected by MK	Collected date/time 02/18/24 17:04	Received date/time 02/21/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230969	1	02/22/24 00:30	02/22/24 00:30	SDS	Mt. Juliet, TN

MTWA0217MC003 L1707673-03 Air

				Collected by MK	Collected date/time 02/18/24 15:08	Received date/time 02/21/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230969	1	02/22/24 01:13	02/22/24 01:13	SDS	Mt. Juliet, TN

MTWA0217MC004 L1707673-04 Air

				Collected by MK	Collected date/time 02/18/24 17:24	Received date/time 02/21/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2230969	1	02/22/24 01:56	02/22/24 01:56	SDS	Mt. Juliet, TN



CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2230969	Acetonitrile	L1707673-02, 03
WG2231677	Acetonitrile	L1707673-01

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2230969	(LCSD) R4036821-2, L1707673-02, 03, 04	Pentane



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp	
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc	
MTWA0217MC001	L1707673-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.72	6.46		1	WG2231677	3 Ss
MTWA0217MC001	L1707673-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	6.51	10.9	B	1	WG2231677	4 Cn
MTWA0217MC001	L1707673-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.174	0.556	J	1	WG223096	5 Ds
MTWA0217MC001	L1707673-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.758	1.80		1	WG2231677	6 Sr
MTWA0217MC001	L1707673-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.619	1.28		1	WG2231677	7 Qc
MTWA0217MC001	L1707673-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.25	9.90		1	WG2231677	8 Gl
MTWA0217MC001	L1707673-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.252	1.42		1	WG2231677	9 Al
MTWA0217MC001	L1707673-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.514	2.54		1	WG2231677	10 Sc
MTWA0217MC001	L1707673-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.311	1.17	J	1	WG223096	
MTWA0217MC002	L1707673-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.85	6.77		1	WG223096	
MTWA0217MC002	L1707673-02	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.28	2.15	B J	1	WG223096	
MTWA0217MC002	L1707673-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.190	0.607	J	1	WG223096	
MTWA0217MC002	L1707673-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.771	1.83		1	WG223096	
MTWA0217MC002	L1707673-02	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0911	0.574	J	1	WG223096	
MTWA0217MC002	L1707673-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.640	1.32		1	WG223096	
MTWA0217MC002	L1707673-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.03	15.1		1	WG223096	
MTWA0217MC002	L1707673-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.246	1.38		1	WG223096	
MTWA0217MC002	L1707673-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.493	2.44		1	WG223096	
MTWA0217MC002	L1707673-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.272	0.944		1	WG223096	
MTWA0217MC002	L1707673-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.266	0.784	J	1	WG223096	
MTWA0217MC002	L1707673-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.351	1.04	J3	1	WG223096	
MTWA0217MC002	L1707673-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.14	2.80	J	1	WG223096	
MTWA0217MC002	L1707673-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.647	2.44		1	WG223096	
MTWA0217MC003	L1707673-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	17.7	42.1		1	WG223096	
MTWA0217MC003	L1707673-03	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.26	2.12	B J	1	WG223096	
MTWA0217MC003	L1707673-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.173	0.553	J	1	WG223096	
MTWA0217MC003	L1707673-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.865	2.05		1	WG223096	
MTWA0217MC003	L1707673-03	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0861	0.542	J	1	WG223096	
MTWA0217MC003	L1707673-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.626	1.29		1	WG223096	
MTWA0217MC003	L1707673-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.19	13.6		1	WG223096	
MTWA0217MC003	L1707673-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.236	1.33		1	WG223096	
MTWA0217MC003	L1707673-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.534	2.64		1	WG223096	
MTWA0217MC003	L1707673-03	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0812	0.622	J	1	WG223096	
MTWA0217MC003	L1707673-03	Heptane	142-82-5	100	0.104	0.200	0.818	0.143	0.585	J	1	WG223096	
MTWA0217MC003	L1707673-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.252	0.875		1	WG223096	
MTWA0217MC003	L1707673-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.395	1.16	J	1	WG223096	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	¹ Cp
MTWA0217MC003	L1707673-03	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.119	0.487	<u>J</u>	1	WG223096 9	² Tc
MTWA0217MC003	L1707673-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.360	1.06	<u>J3</u>	1	WG223096 9	³ Ss
MTWA0217MC003	L1707673-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.12	7.67		1	WG223096 9	⁴ Cn
MTWA0217MC003	L1707673-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.572	2.15		1	WG223096 9	⁵ Ds
MTWA0217MC003	L1707673-03	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.235	1.02	<u>J</u>	1	WG223096 9	⁶ Sr
MTWA0217MC003	L1707673-03	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.101	0.438	<u>J</u>	1	WG223096 9	⁷ Qc
MTWA0217MC004	L1707673-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.24	10.1		1	WG223096 9	⁸ Gl
MTWA0217MC004	L1707673-04	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	28.6	48.0		1	WG223096 9	⁹ Al
MTWA0217MC004	L1707673-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.170	0.543	<u>J</u>	1	WG223096 9	¹⁰ Sc
MTWA0217MC004	L1707673-04	Butane	106-97-8	58	0.0522	0.200	0.474	1.53	3.63		1	WG223096 9	
MTWA0217MC004	L1707673-04	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0868	0.547	<u>J</u>	1	WG223096 9	
MTWA0217MC004	L1707673-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.585	1.21		1	WG223096 9	
MTWA0217MC004	L1707673-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	38.0	71.6		1	WG223096 9	
MTWA0217MC004	L1707673-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.262	1.47		1	WG223096 9	
MTWA0217MC004	L1707673-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.543	2.69		1	WG223096 9	
MTWA0217MC004	L1707673-04	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0834	0.639	<u>J</u>	1	WG223096 9	
MTWA0217MC004	L1707673-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.340	1.18		1	WG223096 9	
MTWA0217MC004	L1707673-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.222	0.655	<u>J</u>	1	WG223096 9	
MTWA0217MC004	L1707673-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.392	1.16	<u>J3</u>	1	WG223096 9	
MTWA0217MC004	L1707673-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	10.2	25.1		1	WG223096 9	
MTWA0217MC004	L1707673-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.524	1.97		1	WG223096 9	

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.72	6.46		1	WG2231677
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	6.51	10.9	B	1	WG2231677
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2231677
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2231677
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.174	0.556	J	1	WG2230969
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230969
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230969
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230969
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2231677
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2231677
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2231677
Butane	106-97-8	58	0.0522	0.200	0.474	0.758	1.80		1	WG2231677
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2231677
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2231677
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230969
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2231677
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2231677
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.619	1.28		1	WG2231677
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230969
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2231677
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230969
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230969
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230969
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230969
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230969
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230969
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230969
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2231677
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2231677
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2231677
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2231677
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230969
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230969
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230969
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230969
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.25	9.90		1	WG2231677
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2230969
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230969
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.252	1.42		1	WG2231677
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.514	2.54		1	WG2231677
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2231677
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2231677
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230969
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230969
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2231677
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230969
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	U	U		1	WG2231677
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230969
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2231677
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2230969
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230969
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2231677
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230969
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230969
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2231677
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	U	U		1	WG2231677

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2231677
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230969
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230969
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230969
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2231677
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.311	1.17	J	1	WG2230969
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230969
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2231677
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230969
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230969
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230969
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230969
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2231677
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2231677
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2231677
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2231677
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2230969
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2230969
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		100				WG2230969
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.2				WG2231677

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.85	6.77		1	WG2230969
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.28	2.15	B J	1	WG2230969
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2230969
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2230969
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.190	0.607	J	1	WG2230969
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230969
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230969
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230969
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2230969
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2230969
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2230969
Butane	106-97-8	58	0.0522	0.200	0.474	0.771	1.83		1	WG2230969
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2230969
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0911	0.574	J	1	WG2230969
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230969
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2230969
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2230969
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.640	1.32		1	WG2230969
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230969
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2230969
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230969
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230969
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230969
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230969
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230969
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230969
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230969
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2230969
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2230969
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2230969
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2230969
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230969
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230969
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230969
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230969
Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.03	15.1		1	WG2230969
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2230969
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230969
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.246	1.38		1	WG2230969
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.493	2.44		1	WG2230969
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2230969
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2230969
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230969
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230969
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2230969
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230969
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.272	0.944		1	WG2230969
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230969
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.266	0.784	J	1	WG2230969
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2230969
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230969
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2230969
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230969
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230969
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.351	1.04	J3	1	WG2230969
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.14	2.80	J	1	WG2230969

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2230969
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230969
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230969
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230969
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2230969
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.647	2.44		1	WG2230969
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230969
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2230969
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230969
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230969
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230969
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230969
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2230969
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2230969
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2230969
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2230969
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2230969
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2230969
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		100				WG2230969

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	17.7	42.1		1	WG2230969
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.26	2.12	B J	1	WG2230969
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2230969
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2230969
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.173	0.553	J	1	WG2230969
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230969
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230969
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230969
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2230969
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2230969
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2230969
Butane	106-97-8	58	0.0522	0.200	0.474	0.865	2.05		1	WG2230969
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2230969
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0861	0.542	J	1	WG2230969
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230969
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2230969
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2230969
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.626	1.29		1	WG2230969
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230969
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2230969
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230969
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230969
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230969
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230969
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230969
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230969
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230969
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2230969
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2230969
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2230969
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2230969
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230969
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230969
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230969
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230969
Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.19	13.6		1	WG2230969
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2230969
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230969
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.236	1.33		1	WG2230969
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.534	2.64		1	WG2230969
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0812	0.622	J	1	WG2230969
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2230969
Heptane	142-82-5	100	0.104	0.200	0.818	0.143	0.585	J	1	WG2230969
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230969
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2230969
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230969
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.252	0.875		1	WG2230969
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230969
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.395	1.16	J	1	WG2230969
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.119	0.487	J	1	WG2230969
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230969
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2230969
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230969
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230969
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.360	1.06	J3	1	WG2230969
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.12	7.67		1	WG2230969

1

Cp

2

Tc

3

Ss

4

Cn

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Ds

6

Sr

7

Qc

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Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2230969
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230969
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230969
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230969
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2230969
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.572	2.15		1	WG2230969
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230969
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2230969
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230969
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230969
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230969
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230969
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2230969
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2230969
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2230969
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2230969
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.235	1.02	U	1	WG2230969
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.101	0.438	U	1	WG2230969
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		99.7				WG2230969

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.24	10.1		1	WG2230969
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	28.6	48.0		1	WG2230969
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2230969
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2230969
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.170	0.543	J	1	WG2230969
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2230969
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2230969
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2230969
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2230969
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2230969
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2230969
Butane	106-97-8	58	0.0522	0.200	0.474	1.53	3.63		1	WG2230969
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2230969
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0868	0.547	J	1	WG2230969
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2230969
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2230969
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2230969
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.585	1.21		1	WG2230969
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2230969
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2230969
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2230969
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2230969
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2230969
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2230969
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2230969
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2230969
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2230969
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2230969
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2230969
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2230969
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2230969
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2230969
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2230969
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2230969
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2230969
Ethanol	64-17-5	46.10	0.265	2.50	4.71	38.0	71.6		1	WG2230969
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2230969
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2230969
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.262	1.47		1	WG2230969
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.543	2.69		1	WG2230969
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0834	0.639	J	1	WG2230969
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2230969
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2230969
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2230969
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2230969
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2230969
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.340	1.18		1	WG2230969
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2230969
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.222	0.655	J	1	WG2230969
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2230969
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2230969
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2230969
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2230969
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2230969
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.392	1.16	J3	1	WG2230969
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	10.2	25.1		1	WG2230969

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2230969
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2230969
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2230969
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2230969
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2230969
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.524	1.97		1	WG2230969
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2230969
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2230969
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2230969
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2230969
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2230969
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2230969
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2230969
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2230969
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2230969
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2230969
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2230969
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2230969
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		102				WG2230969

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4036821-3 02/21/24 19:11

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	0.388	U	0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.477	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4036821-3 02/21/24 19:11

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	0.0478	U	0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	99.8			60.0-140

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4036821-1 02/21/24 17:45 • (LCSD) R4036821-2 02/21/24 18:29

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	3.76	3.77	100	101	70.0-130			0.266	25
Acetonitrile	18.8	19.4	19.4	103	103	70.0-130			0.000	25
Acrylonitrile	3.75	3.96	3.88	106	103	70.0-130			2.04	25
Allyl chloride	3.75	3.97	3.82	106	102	70.0-130			3.85	25
Benzene	3.75	4.01	4.03	107	107	70.0-130			0.498	25
Benzyl Chloride	3.75	4.35	4.44	116	118	70.0-152			2.05	25
Bromodichloromethane	3.75	4.22	4.33	113	115	70.0-130			2.57	25
Bromoform	3.75	4.30	4.28	115	114	70.0-130			0.466	25
Bromomethane	3.75	4.08	4.08	109	109	70.0-130			0.000	25
Bromoethane	3.75	4.00	4.02	107	107	70.0-130			0.499	25
1,3-Butadiene	3.75	4.07	3.95	109	105	70.0-130			2.99	25
Butane	3.75	4.00	4.04	107	108	70.0-130			0.995	25
Carbon disulfide	3.75	3.75	3.66	100	97.6	70.0-130			2.43	25
Carbon tetrachloride	3.75	4.57	4.55	122	121	70.0-130			0.439	25
Chlorobenzene	3.75	4.15	4.18	111	111	70.0-130			0.720	25
Chloroethane	3.75	4.01	3.32	107	88.5	70.0-130			18.8	25
Chloroform	3.75	4.23	4.18	113	111	70.0-130			1.19	25
Chloromethane	3.75	4.05	4.06	108	108	70.0-130			0.247	25
2-Chlorotoluene	3.75	4.24	4.38	113	117	70.0-130			3.25	25
Cyclohexane	3.75	4.07	4.04	109	108	70.0-130			0.740	25
n-Decane	3.75	4.46	4.51	119	120	70.0-130			1.11	25
Dibromochloromethane	3.75	4.40	4.40	117	117	70.0-130			0.000	25
1,2-Dibromoethane	3.75	4.30	4.33	115	115	70.0-130			0.695	25
1,2-Dichlorobenzene	3.75	4.11	4.13	110	110	70.0-130			0.485	25
1,3-Dichlorobenzene	3.75	4.19	4.26	112	114	70.0-130			1.66	25
1,4-Dichlorobenzene	3.75	4.29	4.36	114	116	70.0-130			1.62	25
1,2-Dichloroethane	3.75	4.58	4.66	122	124	70.0-130			1.73	25
1,1-Dichloroethane	3.75	4.04	3.98	108	106	70.0-130			1.50	25
1,1-Dichloroethene	3.75	4.20	4.32	112	115	70.0-130			2.82	25
cis-1,2-Dichloroethene	3.75	4.13	4.02	110	107	70.0-130			2.70	25
trans-1,2-Dichloroethene	3.75	4.16	4.14	111	110	70.0-130			0.482	25
1,2-Dichloropropane	3.75	3.77	3.84	101	102	70.0-130			1.84	25
cis-1,3-Dichloropropene	3.75	4.29	4.51	114	120	70.0-130			5.00	25
trans-1,3-Dichloropropene	3.75	4.39	4.38	117	117	70.0-130			0.228	25
1,4-Dioxane	3.75	4.00	4.09	107	109	70.0-140			2.22	25
Ethanol	3.75	3.24	2.98	86.4	79.5	55.0-148			8.36	25
Ethylbenzene	3.75	4.07	4.15	109	111	70.0-130			1.95	25
4-Ethyltoluene	3.75	4.18	4.26	111	114	70.0-130			1.90	25
Trichlorofluoromethane	3.75	4.76	3.87	127	103	70.0-130			20.6	25
Dichlorodifluoromethane	3.75	4.71	4.66	126	124	64.0-139			1.07	25

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4036821-1 02/21/24 17:45 • (LCSD) R4036821-2 02/21/24 18:29

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.15	3.74	111	99.7	70.0-130			10.4	25
1,2-Dichlorotetrafluoroethane	3.75	4.43	4.31	118	115	70.0-130			2.75	25
Heptane	3.75	4.12	4.14	110	110	70.0-130			0.484	25
Hexachloro-1,3-butadiene	3.75	4.31	4.36	115	116	70.0-151			1.15	25
n-Hexane	3.75	4.00	4.03	107	107	70.0-130			0.747	25
Isopropylbenzene	3.75	4.23	4.35	113	116	70.0-130			2.80	25
Methylene Chloride	3.75	3.97	4.01	106	107	70.0-130			1.00	25
Methyl Butyl Ketone	3.75	4.54	4.69	121	125	70.0-149			3.25	25
2-Butanone (MEK)	3.75	4.14	3.84	110	102	70.0-130			7.52	25
4-Methyl-2-pentanone (MIBK)	3.75	4.46	4.59	119	122	70.0-139			2.87	25
Methyl methacrylate	3.75	4.10	4.06	109	108	70.0-130			0.980	25
MTBE	3.75	4.40	4.21	117	112	70.0-130			4.41	25
Naphthalene	3.75	4.39	4.44	117	118	70.0-159			1.13	25
Nonane	3.75	4.25	4.26	113	114	70.0-130			0.235	25
Pentane	3.75	4.22	2.83	113	75.5	70.0-130		J3	39.4	25
2-Propanol	3.75	3.93	3.92	105	105	70.0-139			0.255	25
Propene	3.75	4.26	4.23	114	113	64.0-144			0.707	25
Styrene	3.75	4.21	4.31	112	115	70.0-130			2.35	25
1,1,2,2-Tetrachloroethane	3.75	3.90	3.96	104	106	70.0-130			1.53	25
Tetrachloroethylene	3.75	4.30	4.20	115	112	70.0-130			2.35	25
Tetrahydrofuran	3.75	4.08	4.02	109	107	70.0-137			1.48	25
Toluene	3.75	4.14	4.25	110	113	70.0-130			2.62	25
1,2,4-Trichlorobenzene	3.75	4.34	4.45	116	119	70.0-160			2.50	25
1,1,1-Trichloroethane	3.75	4.37	4.36	117	116	70.0-130			0.229	25
1,1,2-Trichloroethane	3.75	4.13	4.08	110	109	70.0-130			1.22	25
Trichloroethylene	3.75	4.09	4.12	109	110	70.0-130			0.731	25
1,2,4-Trimethylbenzene	3.75	4.43	4.46	118	119	70.0-130			0.675	25
1,3,5-Trimethylbenzene	3.75	4.35	4.48	116	119	70.0-130			2.94	25
2,2,4-Trimethylpentane	3.75	3.97	3.96	106	106	70.0-130			0.252	25
Vinyl chloride	3.75	4.25	4.04	113	108	70.0-130			5.07	25
Vinyl Bromide	3.75	4.28	3.39	114	90.4	70.0-130			23.2	25
Vinyl acetate	3.75	4.28	4.12	114	110	70.0-130			3.81	25
m&p-Xylene	7.50	8.73	8.77	116	117	70.0-130			0.457	25
o-Xylene	3.75	4.09	4.30	109	115	70.0-130			5.01	25
(S) 1,4-Bromofluorobenzene				99.7	101	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4037172-3 02/22/24 12:33

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	0.762	U	0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
Cyclohexane	U		0.0753	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
Ethanol	U		0.265	2.50
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
n-Hexane	U		0.206	0.630
Methylene Chloride	U		0.0979	0.200
2-Butanone (MEK)	U		0.0814	1.25
MTBE	U		0.0647	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Tetrahydrofuran	U		0.0734	0.200
1,1,1-Trichloroethane	U		0.0736	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
(S) 1,4-Bromofluorobenzene	100			60.0-140

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4037172-1 02/22/24 09:15 • (LCSD) R4037172-2 02/22/24 10:04

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.87	3.83	103	102	70.0-130			1.04	25
Acetonitrile	18.8	19.1	20.3	102	108	70.0-130			6.09	25
Acrylonitrile	3.75	3.57	3.50	95.2	93.3	70.0-130			1.98	25
Allyl chloride	3.75	4.02	4.17	107	111	70.0-130			3.66	25
Bromomethane	3.75	3.63	3.60	96.8	96.0	70.0-130			0.830	25
Bromoethane	3.75	3.96	4.13	106	110	70.0-130			4.20	25
1,3-Butadiene	3.75	3.73	3.79	99.5	101	70.0-130			1.60	25
Butane	3.75	3.58	3.66	95.5	97.6	70.0-130			2.21	25
Carbon disulfide	3.75	3.98	4.06	106	108	70.0-130			1.99	25
Carbon tetrachloride	3.75	4.13	4.16	110	111	70.0-130			0.724	25
Chloroethane	3.75	3.46	3.53	92.3	94.1	70.0-130			2.00	25
Chloroform	3.75	3.97	3.95	106	105	70.0-130			0.505	25
Chloromethane	3.75	3.84	4.11	102	110	70.0-130			6.79	25
Cyclohexane	3.75	3.78	4.04	101	108	70.0-130			6.65	25
1,1-Dichloroethane	3.75	3.93	3.99	105	106	70.0-130			1.52	25
1,1-Dichloroethene	3.75	4.04	4.03	108	107	70.0-130			0.248	25
cis-1,2-Dichloroethene	3.75	4.02	4.10	107	109	70.0-130			1.97	25
trans-1,2-Dichloroethene	3.75	3.93	4.01	105	107	70.0-130			2.02	25
Ethanol	3.75	3.65	3.72	97.3	99.2	55.0-148			1.90	25
Trichlorofluoromethane	3.75	4.09	4.15	109	111	70.0-130			1.46	25
Dichlorodifluoromethane	3.75	4.01	4.11	107	110	64.0-139			2.46	25
1,1,2-Trichlorotrifluoroethane	3.75	4.15	4.08	111	109	70.0-130			1.70	25
1,2-Dichlorotetrafluoroethane	3.75	4.09	4.09	109	109	70.0-130			0.000	25
n-Hexane	3.75	3.83	3.85	102	103	70.0-130			0.521	25
Methylene Chloride	3.75	4.24	4.28	113	114	70.0-130			0.939	25
2-Butanone (MEK)	3.75	4.11	4.35	110	116	70.0-130			5.67	25
MTBE	3.75	3.80	3.92	101	105	70.0-130			3.11	25
Pentane	3.75	3.54	3.66	94.4	97.6	70.0-130			3.33	25
2-Propanol	3.75	3.56	3.64	94.9	97.1	70.0-139			2.22	25
Propene	3.75	3.32	3.55	88.5	94.7	64.0-144			6.70	25
Tetrahydrofuran	3.75	3.52	3.38	93.9	90.1	70.0-137			4.06	25
1,1,1-Trichloroethane	3.75	3.90	4.07	104	109	70.0-130			4.27	25
2,2,4-Trimethylpentane	3.75	3.88	3.96	103	106	70.0-130			2.04	25
Vinyl chloride	3.75	4.03	4.06	107	108	70.0-130			0.742	25
Vinyl Bromide	3.75	3.89	4.01	104	107	70.0-130			3.04	25
Vinyl acetate	3.75	3.65	3.49	97.3	93.1	70.0-130			4.48	25
(S) 1,4-Bromofluorobenzene				100	97.4	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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.
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

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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





CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

7002

Send Report to	ahenault@cteh.com , mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☐ Same Day ☒ Next Day
☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒
Retain w/ storage fees after 2X hold time ☐ L17070

[illegible]

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Macklyn Kluk	02/20/24 11:45	Kate Weingard / CTEH	02/20/24 11:45	
Kate Weingard / CTEH	02/20/24 1600	Fedex	02/20/24 1600	Lawrence 2-21-24 0900

CTEH - ER

Sample Delivery Group: L1708637
Samples Received: 02/23/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

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

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0219MC001 L1708637-01 Air

				Collected by MK	Collected date/time 02/20/24 14:10	Received date/time 02/23/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2233227	1	02/24/24 09:04	02/24/24 09:04	SDS	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

MTWA0219MC002 L1708637-02 Air

				Collected by MK	Collected date/time 02/20/24 14:21	Received date/time 02/23/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2233227	1	02/24/24 09:32	02/24/24 09:32	SDS	Mt. Juliet, TN

MTWA0219MC003 L1708637-03 Air

				Collected by MK	Collected date/time 02/20/24 15:40	Received date/time 02/23/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2233227	1	02/24/24 10:01	02/24/24 10:01	SDS	Mt. Juliet, TN

MTWA0219MC004 L1708637-04 Air

				Collected by MK	Collected date/time 02/20/24 12:24	Received date/time 02/23/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2233227	1	02/24/24 10:29	02/24/24 10:29	SDS	Mt. Juliet, TN

MTWA0219MC004B L1708637-05 Air

				Collected by MK	Collected date/time 02/21/24 12:40	Received date/time 02/23/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2233227	1	02/24/24 10:58	02/24/24 10:58	SDS	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2233227	2-Propanol	L1708637-01, 02, 03, 04, 05



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc
MTWA0219MC001	L1708637-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.30	5.47	1	WG2233227	3 Ss
MTWA0219MC001	L1708637-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.215	0.687	1	WG2233227	4 Cn
MTWA0219MC001	L1708637-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.784	1.86	1	WG2233227	5 Ds
MTWA0219MC001	L1708637-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.504	1.04	1	WG2233227	6 Sr
MTWA0219MC001	L1708637-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	19.8	37.3	1	WG2233227	7 Qc
MTWA0219MC001	L1708637-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.214	1.20	1	WG2233227	8 Gl
MTWA0219MC001	L1708637-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.466	2.30	1	WG2233227	9 Al
MTWA0219MC001	L1708637-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.215	0.747	1	WG2233227	10 Sc
MTWA0219MC001	L1708637-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.173	0.510	J	1	WG2233227
MTWA0219MC001	L1708637-01	Naphthalene	91-20-3	128	0.350	0.630	3.30	1.31	6.86	1	WG2233227	
MTWA0219MC001	L1708637-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.281	0.829	1	WG2233227	
MTWA0219MC001	L1708637-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.61	3.96	B	1	WG2233227
MTWA0219MC001	L1708637-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.699	2.63	1	WG2233227	
MTWA0219MC001	L1708637-01	1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	1.67	12.4	1	WG2233227	
MTWA0219MC002	L1708637-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.87	11.6	1	WG2233227	
MTWA0219MC002	L1708637-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.249	0.795	1	WG2233227	
MTWA0219MC002	L1708637-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.800	1.90	1	WG2233227	
MTWA0219MC002	L1708637-02	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0765	0.482	J	1	WG2233227
MTWA0219MC002	L1708637-02	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.120	0.317	J	1	WG2233227
MTWA0219MC002	L1708637-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.552	1.14	1	WG2233227	
MTWA0219MC002	L1708637-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	25.1	47.3	1	WG2233227	
MTWA0219MC002	L1708637-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.231	1.30	1	WG2233227	
MTWA0219MC002	L1708637-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.504	2.49	1	WG2233227	
MTWA0219MC002	L1708637-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.272	0.944	1	WG2233227	
MTWA0219MC002	L1708637-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.415	1.22	J	1	WG2233227
MTWA0219MC002	L1708637-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.702	2.07	1	WG2233227	
MTWA0219MC002	L1708637-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.56	3.83	B	1	WG2233227
MTWA0219MC002	L1708637-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.14	4.29	1	WG2233227	
MTWA0219MC003	L1708637-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.32	10.3	1	WG2233227	
MTWA0219MC003	L1708637-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.220	0.703	1	WG2233227	
MTWA0219MC003	L1708637-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.883	2.09	1	WG2233227	
MTWA0219MC003	L1708637-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.542	1.12	1	WG2233227	
MTWA0219MC003	L1708637-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	9.19	17.3	1	WG2233227	
MTWA0219MC003	L1708637-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.238	1.34	1	WG2233227	
MTWA0219MC003	L1708637-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.518	2.56	1	WG2233227	
MTWA0219MC003	L1708637-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.222	0.771	1	WG2233227	
MTWA0219MC003	L1708637-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.239	0.705	J	1	WG2233227
MTWA0219MC003	L1708637-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.433	1.28	1	WG2233227	
MTWA0219MC003	L1708637-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.78	4.38	B	1	WG2233227
MTWA0219MC003	L1708637-03	Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	0.0901	0.612	J	1	WG2233227
MTWA0219MC003	L1708637-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.407	1.53	J	1	WG2233227
MTWA0219MC004	L1708637-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.33	15.0	1	WG2233227	
MTWA0219MC004	L1708637-04	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.44	3.12	J	1	WG2233227
MTWA0219MC004	L1708637-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.308	0.984	1	WG2233227	
MTWA0219MC004	L1708637-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.868	2.06	1	WG2233227	
MTWA0219MC004	L1708637-04	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0788	0.496	J	1	WG2233227
MTWA0219MC004	L1708637-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.488	1.01	1	WG2233227	
MTWA0219MC004	L1708637-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	24.8	46.8	1	WG2233227	
MTWA0219MC004	L1708637-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.216	1.21	1	WG2233227	
MTWA0219MC004	L1708637-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.462	2.28	1	WG2233227	
MTWA0219MC004	L1708637-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.203	0.705	1	WG2233227	
MTWA0219MC004	L1708637-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.415	1.22	J	1	WG2233227
MTWA0219MC004	L1708637-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.376	1.11	1	WG2233227	
MTWA0219MC004	L1708637-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	4.03	9.91	B	1	WG2233227
MTWA0219MC004	L1708637-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.868	3.27	1	WG2233227	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	¹ Cp
MTWA0219MC004B	<u>L1708637-05</u>	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.37	10.4		1	<u>WG2233227</u>	² Tc
MTWA0219MC004B	<u>L1708637-05</u>	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	9.02	15.1		1	<u>WG2233227</u>	³ Ss
MTWA0219MC004B	<u>L1708637-05</u>	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.114	0.364	<u>J</u>	1	<u>WG2233227</u>	⁴ Cn
MTWA0219MC004B	<u>L1708637-05</u>	Butane	106-97-8	58	0.0522	0.200	0.474	0.842	2.00		1	<u>WG2233227</u>	⁵ Ds
MTWA0219MC004B	<u>L1708637-05</u>	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.634	1.31		1	<u>WG2233227</u>	⁶ Sr
MTWA0219MC004B	<u>L1708637-05</u>	Ethanol	64-17-5	46.10	0.265	2.50	4.71	37.2	70.1		1	<u>WG2233227</u>	⁷ Qc
MTWA0219MC004B	<u>L1708637-05</u>	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.233	1.31		1	<u>WG2233227</u>	⁸ Gl
MTWA0219MC004B	<u>L1708637-05</u>	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.519	2.57		1	<u>WG2233227</u>	⁹ Al
MTWA0219MC004B	<u>L1708637-05</u>	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.378	1.33	<u>J</u>	1	<u>WG2233227</u>	¹⁰ Sc
MTWA0219MC004B	<u>L1708637-05</u>	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	5.29	18.4	<u>J</u>	1	<u>WG2233227</u>	
MTWA0219MC004B	<u>L1708637-05</u>	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.231	0.681	<u>J</u>	1	<u>WG2233227</u>	
MTWA0219MC004B	<u>L1708637-05</u>	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.25	3.69		1	<u>WG2233227</u>	
MTWA0219MC004B	<u>L1708637-05</u>	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	5.65	13.9	<u>B</u>	1	<u>WG2233227</u>	
MTWA0219MC004B	<u>L1708637-05</u>	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.255	0.961	<u>J</u>	1	<u>WG2233227</u>	

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.30	5.47		1	WG2233227
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2233227
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2233227
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2233227
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.215	0.687		1	WG2233227
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2233227
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2233227
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2233227
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2233227
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2233227
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2233227
Butane	106-97-8	58	0.0522	0.200	0.474	0.784	1.86		1	WG2233227
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2233227
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2233227
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2233227
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2233227
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2233227
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.504	1.04		1	WG2233227
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2233227
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2233227
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2233227
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2233227
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2233227
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2233227
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2233227
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2233227
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2233227
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2233227
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2233227
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2233227
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2233227
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2233227
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2233227
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2233227
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2233227
Ethanol	64-17-5	46.10	0.265	2.50	4.71	19.8	37.3		1	WG2233227
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2233227
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2233227
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.214	1.20		1	WG2233227
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.466	2.30		1	WG2233227
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2233227
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2233227
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2233227
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2233227
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2233227
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2233227
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.215	0.747		1	WG2233227
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2233227
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.173	0.510	J	1	WG2233227
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2233227
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2233227
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2233227
Naphthalene	91-20-3	128	0.350	0.630	3.30	1.31	6.86		1	WG2233227
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2233227
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.281	0.829		1	WG2233227
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.61	3.96	B	1	WG2233227

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2233227
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2233227
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2233227
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2233227
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2233227
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.699	2.63		1	WG2233227
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	1.67	12.4		1	WG2233227
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2233227
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2233227
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2233227
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2233227
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2233227
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2233227
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2233227
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2233227
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2233227
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2233227
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2233227
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		96.0				WG2233227

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.87	11.6		1	WG2233227
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2233227
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2233227
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2233227
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.249	0.795		1	WG2233227
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2233227
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2233227
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2233227
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2233227
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2233227
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2233227
Butane	106-97-8	58	0.0522	0.200	0.474	0.800	1.90		1	WG2233227
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2233227
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0765	0.482	J	1	WG2233227
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2233227
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.120	0.317	J	1	WG2233227
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2233227
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.552	1.14		1	WG2233227
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2233227
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2233227
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2233227
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2233227
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2233227
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2233227
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2233227
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2233227
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2233227
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2233227
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2233227
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2233227
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2233227
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2233227
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2233227
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2233227
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2233227
Ethanol	64-17-5	46.10	0.265	2.50	4.71	25.1	47.3		1	WG2233227
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2233227
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2233227
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.231	1.30		1	WG2233227
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.504	2.49		1	WG2233227
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2233227
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2233227
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2233227
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2233227
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2233227
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2233227
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.272	0.944		1	WG2233227
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2233227
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.415	1.22	J	1	WG2233227
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2233227
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2233227
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2233227
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2233227
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2233227
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.702	2.07		1	WG2233227
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.56	3.83	B	1	WG2233227



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2233227
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2233227
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2233227
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2233227
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2233227
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.14	4.29		1	WG2233227
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2233227
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2233227
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2233227
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2233227
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2233227
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2233227
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2233227
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2233227
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2233227
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2233227
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2233227
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2233227
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		96.3				WG2233227

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.32	10.3		1	WG2233227
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2233227
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2233227
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2233227
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.220	0.703		1	WG2233227
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2233227
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2233227
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2233227
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2233227
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2233227
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2233227
Butane	106-97-8	58	0.0522	0.200	0.474	0.883	2.09		1	WG2233227
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2233227
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2233227
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2233227
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2233227
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2233227
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.542	1.12		1	WG2233227
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2233227
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2233227
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2233227
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2233227
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2233227
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2233227
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2233227
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2233227
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2233227
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2233227
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2233227
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2233227
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2233227
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2233227
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2233227
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2233227
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2233227
Ethanol	64-17-5	46.10	0.265	2.50	4.71	9.19	17.3		1	WG2233227
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2233227
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2233227
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.238	1.34		1	WG2233227
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.518	2.56		1	WG2233227
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2233227
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2233227
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2233227
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2233227
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2233227
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2233227
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.222	0.771		1	WG2233227
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2233227
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.239	0.705	J	1	WG2233227
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2233227
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2233227
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2233227
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2233227
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2233227
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.433	1.28		1	WG2233227
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.78	4.38	B	1	WG2233227

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2233227
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2233227
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2233227
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	0.0901	0.612	J	1	WG2233227
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2233227
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.407	1.53	J	1	WG2233227
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2233227
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2233227
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2233227
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2233227
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2233227
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2233227
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2233227
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2233227
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2233227
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2233227
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2233227
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2233227
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		95.5				WG2233227

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.33	15.0		1	WG2233227
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2233227
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.44	3.12	J	1	WG2233227
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2233227
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.308	0.984		1	WG2233227
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2233227
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2233227
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2233227
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2233227
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2233227
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2233227
Butane	106-97-8	58	0.0522	0.200	0.474	0.868	2.06		1	WG2233227
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2233227
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0788	0.496	J	1	WG2233227
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2233227
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2233227
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2233227
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.488	1.01		1	WG2233227
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2233227
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2233227
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2233227
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2233227
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2233227
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2233227
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2233227
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2233227
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2233227
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2233227
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2233227
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2233227
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2233227
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2233227
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2233227
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2233227
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2233227
Ethanol	64-17-5	46.10	0.265	2.50	4.71	24.8	46.8		1	WG2233227
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2233227
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2233227
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.216	1.21		1	WG2233227
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.462	2.28		1	WG2233227
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2233227
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2233227
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2233227
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2233227
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2233227
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2233227
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.203	0.705		1	WG2233227
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2233227
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.415	1.22	J	1	WG2233227
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2233227
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2233227
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2233227
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2233227
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2233227
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.376	1.11		1	WG2233227
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	4.03	9.91	B	1	WG2233227

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2233227
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2233227
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2233227
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2233227
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2233227
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.868	3.27		1	WG2233227
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2233227
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2233227
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2233227
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2233227
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2233227
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2233227
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2233227
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2233227
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2233227
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2233227
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2233227
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2233227
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.1				WG2233227

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.37	10.4		1	WG2233227
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	9.02	15.1		1	WG2233227
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2233227
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2233227
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.114	0.364	J	1	WG2233227
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2233227
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2233227
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2233227
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2233227
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2233227
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2233227
Butane	106-97-8	58	0.0522	0.200	0.474	0.842	2.00		1	WG2233227
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2233227
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2233227
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2233227
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2233227
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2233227
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.634	1.31		1	WG2233227
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2233227
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2233227
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2233227
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2233227
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2233227
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2233227
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2233227
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2233227
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2233227
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2233227
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2233227
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2233227
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2233227
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2233227
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2233227
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2233227
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2233227
Ethanol	64-17-5	46.10	0.265	2.50	4.71	37.2	70.1		1	WG2233227
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2233227
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2233227
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.233	1.31		1	WG2233227
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.519	2.57		1	WG2233227
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2233227
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2233227
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2233227
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2233227
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.378	1.33	J	1	WG2233227
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2233227
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	5.29	18.4		1	WG2233227
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2233227
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.231	0.681	J	1	WG2233227
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2233227
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2233227
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2233227
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2233227
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2233227
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.25	3.69		1	WG2233227
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	5.65	13.9	B	1	WG2233227

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2233227
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2233227
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2233227
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2233227
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2233227
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.255	0.961	J	1	WG2233227
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2233227
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2233227
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2233227
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2233227
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2233227
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2233227
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2233227
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2233227
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2233227
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2233227
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2233227
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2233227
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		94.6				WG2233227

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4037841-3 02/24/24 08:02

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4037841-3 02/24/24 08:02

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	0.838	U	0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	95.3			60.0-140

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Cp

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

(LCS) R4037841-1 02/24/24 07:04 • (LCSD) R4037841-2 02/24/24 07:34

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	3.58	3.70	95.5	98.7	70.0-130			3.30	25
Acetonitrile	18.8	19.9	18.9	106	101	70.0-130			5.15	25
Acrylonitrile	3.75	3.76	3.97	100	106	70.0-130			5.43	25
Allyl chloride	3.75	3.89	3.73	104	99.5	70.0-130			4.20	25
Benzene	3.75	3.89	3.89	104	104	70.0-130			0.000	25
Benzyl Chloride	3.75	3.86	3.85	103	103	70.0-152			0.259	25
Bromodichloromethane	3.75	3.84	3.86	102	103	70.0-130			0.519	25
Bromoform	3.75	3.78	3.86	101	103	70.0-130			2.09	25
Bromomethane	3.75	3.79	3.87	101	103	70.0-130			2.09	25
Bromoethane	3.75	3.94	3.89	105	104	70.0-130			1.28	25
1,3-Butadiene	3.75	3.91	3.96	104	106	70.0-130			1.27	25
Butane	3.75	3.73	3.87	99.5	103	70.0-130			3.68	25
Carbon disulfide	3.75	4.00	3.87	107	103	70.0-130			3.30	25
Carbon tetrachloride	3.75	3.89	3.97	104	106	70.0-130			2.04	25
Chlorobenzene	3.75	3.87	3.87	103	103	70.0-130			0.000	25
Chloroethane	3.75	3.83	3.84	102	102	70.0-130			0.261	25
Chloroform	3.75	3.85	3.91	103	104	70.0-130			1.55	25
Chloromethane	3.75	3.89	3.95	104	105	70.0-130			1.53	25
2-Chlorotoluene	3.75	4.02	4.12	107	110	70.0-130			2.46	25
Cyclohexane	3.75	4.02	4.07	107	109	70.0-130			1.24	25
n-Decane	3.75	4.20	4.27	112	114	70.0-130			1.65	25
Dibromochloromethane	3.75	3.88	3.92	103	105	70.0-130			1.03	25
1,2-Dibromoethane	3.75	3.88	3.92	103	105	70.0-130			1.03	25
1,2-Dichlorobenzene	3.75	4.01	4.05	107	108	70.0-130			0.993	25
1,3-Dichlorobenzene	3.75	4.03	4.08	107	109	70.0-130			1.23	25
1,4-Dichlorobenzene	3.75	4.06	4.12	108	110	70.0-130			1.47	25
1,2-Dichloroethane	3.75	3.90	3.87	104	103	70.0-130			0.772	25
1,1-Dichloroethane	3.75	3.78	3.81	101	102	70.0-130			0.791	25
1,1-Dichloroethene	3.75	3.96	3.82	106	102	70.0-130			3.60	25
cis-1,2-Dichloroethene	3.75	3.93	3.95	105	105	70.0-130			0.508	25
trans-1,2-Dichloroethene	3.75	3.97	3.95	106	105	70.0-130			0.505	25
1,2-Dichloropropane	3.75	3.80	3.88	101	103	70.0-130			2.08	25
cis-1,3-Dichloropropene	3.75	4.01	4.03	107	107	70.0-130			0.498	25
trans-1,3-Dichloropropene	3.75	4.07	4.11	109	110	70.0-130			0.978	25
1,4-Dioxane	3.75	3.93	4.08	105	109	70.0-140			3.75	25
Ethanol	3.75	3.68	3.66	98.1	97.6	55.0-148			0.545	25
Ethylbenzene	3.75	4.08	4.10	109	109	70.0-130			0.489	25
4-Ethyltoluene	3.75	4.14	4.20	110	112	70.0-130			1.44	25
Trichlorofluoromethane	3.75	3.85	3.95	103	105	70.0-130			2.56	25
Dichlorodifluoromethane	3.75	3.88	3.94	103	105	64.0-139			1.53	25

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Sc

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

(LCS) R4037841-1 02/24/24 07:04 • (LCSD) R4037841-2 02/24/24 07:34

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.87	3.81	103	102	70.0-130			1.56	25
1,2-Dichlorotetrafluoroethane	3.75	3.89	3.94	104	105	70.0-130			1.28	25
Heptane	3.75	4.01	3.98	107	106	70.0-130			0.751	25
Hexachloro-1,3-butadiene	3.75	3.77	3.70	101	98.7	70.0-151			1.87	25
n-Hexane	3.75	3.95	3.99	105	106	70.0-130			1.01	25
Isopropylbenzene	3.75	3.99	4.07	106	109	70.0-130			1.99	25
Methylene Chloride	3.75	3.81	3.52	102	93.9	70.0-130			7.91	25
Methyl Butyl Ketone	3.75	3.83	3.85	102	103	70.0-149			0.521	25
2-Butanone (MEK)	3.75	3.92	3.98	105	106	70.0-130			1.52	25
4-Methyl-2-pentanone (MIBK)	3.75	3.94	3.96	105	106	70.0-139			0.506	25
Methyl methacrylate	3.75	4.03	4.05	107	108	70.0-130			0.495	25
MTBE	3.75	3.89	3.91	104	104	70.0-130			0.513	25
Naphthalene	3.75	3.86	3.84	103	102	70.0-159			0.519	25
Nonane	3.75	4.25	4.30	113	115	70.0-130			1.17	25
Pentane	3.75	3.70	3.73	98.7	99.5	70.0-130			0.808	25
2-Propanol	3.75	3.83	4.00	102	107	70.0-139			4.34	25
Propene	3.75	3.62	3.69	96.5	98.4	64.0-144			1.92	25
Styrene	3.75	4.16	4.21	111	112	70.0-130			1.19	25
1,1,2,2-Tetrachloroethane	3.75	3.85	3.95	103	105	70.0-130			2.56	25
Tetrachloroethylene	3.75	3.81	3.88	102	103	70.0-130			1.82	25
Tetrahydrofuran	3.75	3.93	3.95	105	105	70.0-137			0.508	25
Toluene	3.75	3.92	3.92	105	105	70.0-130			0.000	25
1,2,4-Trichlorobenzene	3.75	3.99	3.94	106	105	70.0-160			1.26	25
1,1,1-Trichloroethane	3.75	3.86	3.95	103	105	70.0-130			2.30	25
1,1,2-Trichloroethane	3.75	3.87	3.82	103	102	70.0-130			1.30	25
Trichloroethylene	3.75	3.93	3.87	105	103	70.0-130			1.54	25
1,2,4-Trimethylbenzene	3.75	4.15	4.21	111	112	70.0-130			1.44	25
1,3,5-Trimethylbenzene	3.75	4.08	4.17	109	111	70.0-130			2.18	25
2,2,4-Trimethylpentane	3.75	4.05	4.11	108	110	70.0-130			1.47	25
Vinyl chloride	3.75	3.92	3.98	105	106	70.0-130			1.52	25
Vinyl Bromide	3.75	3.93	3.91	105	104	70.0-130			0.510	25
Vinyl acetate	3.75	3.79	3.86	101	103	70.0-130			1.83	25
m&p-Xylene	7.50	8.04	8.17	107	109	70.0-130			1.60	25
o-Xylene	3.75	4.11	4.24	110	113	70.0-130			3.11	25
(S) 1,4-Bromofluorobenzene				100	101	60.0-140				

¹Cp

²Tc

³Ss

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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.
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
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



CTEH - ER

Sample Delivery Group: L1708639
Samples Received: 02/23/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

MTWA0220MC001 L1708639-01 Air

				Collected by MK	Collected date/time 02/21/24 15:27	Received date/time 02/23/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2233238	1	02/24/24 10:04	02/24/24 10:04	DAH	Mt. Juliet, TN

MTWA0220MC002 L1708639-02 Air

				Collected by MK	Collected date/time 02/21/24 15:38	Received date/time 02/23/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2233238	1	02/24/24 10:43	02/24/24 10:43	DAH	Mt. Juliet, TN

MTWA0220MC003 L1708639-03 Air

				Collected by MK	Collected date/time 02/21/24 16:08	Received date/time 02/23/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2233238	1	02/24/24 11:21	02/24/24 11:21	DAH	Mt. Juliet, TN

MTWA0220MC004 L1708639-04 Air

				Collected by MK	Collected date/time 02/21/24 16:19	Received date/time 02/23/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2233238	1	02/24/24 12:00	02/24/24 12:00	DAH	Mt. Juliet, TN



CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2233238	Acetonitrile	L1708639-01, 03



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp	
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc	
MTWA0220MC001	L1708639-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.72	8.84		1	WG223323	3 Ss
MTWA0220MC001	L1708639-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.651	1.09	B J	1	WG223323	4 Cn
MTWA0220MC001	L1708639-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.131	0.418	J	1	WG223323	5 Ds
MTWA0220MC001	L1708639-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.356	0.844		1	WG223323	6 Sr
MTWA0220MC001	L1708639-01	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.118	0.367	J	1	WG223323	7 Qc
MTWA0220MC001	L1708639-01	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0824	0.519	J	1	WG223323	8 Gl
MTWA0220MC001	L1708639-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.621	1.28		1	WG223323	9 Al
MTWA0220MC001	L1708639-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.10	9.62		1	WG223323	10 Sc
MTWA0220MC001	L1708639-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.219	1.23		1	WG223323	
MTWA0220MC001	L1708639-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.421	2.08		1	WG223323	
MTWA0220MC001	L1708639-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.269	0.934		1	WG223323	
MTWA0220MC001	L1708639-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.345	1.02	J	1	WG223323	
MTWA0220MC001	L1708639-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.13	2.78	J	1	WG223323	
MTWA0220MC001	L1708639-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.174	0.655	J	1	WG223323	
MTWA0220MC002	L1708639-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	10.6	25.2		1	WG223323	
MTWA0220MC002	L1708639-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.270	0.862		1	WG223323	
MTWA0220MC002	L1708639-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.469	1.11		1	WG223323	
MTWA0220MC002	L1708639-02	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.139	0.433	J	1	WG223323	
MTWA0220MC002	L1708639-02	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.291	0.768		1	WG223323	
MTWA0220MC002	L1708639-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.687	1.42		1	WG223323	
MTWA0220MC002	L1708639-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	31.6	59.6		1	WG223323	
MTWA0220MC002	L1708639-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.228	1.28		1	WG223323	
MTWA0220MC002	L1708639-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.431	2.13		1	WG223323	
MTWA0220MC002	L1708639-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.295	1.02		1	WG223323	
MTWA0220MC002	L1708639-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	1.10	3.24	J	1	WG223323	
MTWA0220MC002	L1708639-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.227	0.670		1	WG223323	
MTWA0220MC002	L1708639-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.700	1.72	J	1	WG223323	
MTWA0220MC002	L1708639-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.28	4.82		1	WG223323	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Diluti on	Batch	¹ Cp
MTWA0220MC003	L1708639-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.35	7.96		1	WG223323	² Tc
MTWA0220MC003	L1708639-03	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.518	0.870	B J	1	WG223323	³ Ss
MTWA0220MC003	L1708639-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.140	0.447	J	1	WG223323	⁴ Cn
MTWA0220MC003	L1708639-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.439	1.04		1	WG223323	⁵ Ds
MTWA0220MC003	L1708639-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.606	1.25		1	WG223323	⁶ Sr
MTWA0220MC003	L1708639-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.21	11.7		1	WG223323	⁷ Qc
MTWA0220MC003	L1708639-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.225	1.26		1	WG223323	⁸ Gl
MTWA0220MC003	L1708639-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.428	2.12		1	WG223323	⁹ Al
MTWA0220MC003	L1708639-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.288	1.00		1	WG223323	¹⁰ Sc
MTWA0220MC003	L1708639-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.274	0.808	J	1	WG223323	
MTWA0220MC003	L1708639-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.758	1.86	J	1	WG223323	
MTWA0220MC003	L1708639-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.406	1.53	J	1	WG223323	
MTWA0220MC003	L1708639-03	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.188	0.815	J	1	WG223323	
MTWA0220MC003	L1708639-03	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0852	0.369	J	1	WG223323	
MTWA0220MC004	L1708639-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.83	9.10		1	WG223323	
MTWA0220MC004	L1708639-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.148	0.473	J	1	WG223323	
MTWA0220MC004	L1708639-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.464	1.10		1	WG223323	
MTWA0220MC004	L1708639-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.600	1.24		1	WG223323	
MTWA0220MC004	L1708639-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	18.4	34.7		1	WG223323	
MTWA0220MC004	L1708639-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG223323	
MTWA0220MC004	L1708639-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.421	2.08		1	WG223323	
MTWA0220MC004	L1708639-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.254	0.882		1	WG223323	
MTWA0220MC004	L1708639-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.02	2.51	J	1	WG223323	
MTWA0220MC004	L1708639-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.322	1.21	J	1	WG223323	

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.72	8.84		1	WG2233238
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.651	1.09	B J	1	WG2233238
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2233238
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2233238
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.131	0.418	J	1	WG2233238
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2233238
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2233238
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2233238
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2233238
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2233238
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2233238
Butane	106-97-8	58	0.0522	0.200	0.474	0.356	0.844		1	WG2233238
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.118	0.367	J	1	WG2233238
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0824	0.519	J	1	WG2233238
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2233238
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2233238
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2233238
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.621	1.28		1	WG2233238
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2233238
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2233238
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2233238
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2233238
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2233238
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2233238
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2233238
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2233238
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2233238
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2233238
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2233238
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2233238
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2233238
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2233238
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2233238
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2233238
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2233238
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.10	9.62		1	WG2233238
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2233238
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2233238
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.219	1.23		1	WG2233238
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.421	2.08		1	WG2233238
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2233238
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2233238
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2233238
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2233238
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2233238
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2233238
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.269	0.934		1	WG2233238
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2233238
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.345	1.02	J	1	WG2233238
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2233238
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2233238
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2233238
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2233238
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2233238
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2233238
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.13	2.78	J	1	WG2233238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2233238
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2233238
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2233238
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2233238
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2233238
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.174	0.655	J	1	WG2233238
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2233238
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2233238
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2233238
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2233238
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2233238
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2233238
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2233238
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2233238
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2233238
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2233238
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2233238
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2233238
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.4				WG2233238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	10.6	25.2		1	WG2233238
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2233238
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2233238
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2233238
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.270	0.862		1	WG2233238
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2233238
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2233238
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2233238
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2233238
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2233238
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2233238
Butane	106-97-8	58	0.0522	0.200	0.474	0.469	1.11		1	WG2233238
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.139	0.433	J	1	WG2233238
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2233238
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2233238
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.291	0.768		1	WG2233238
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2233238
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.687	1.42		1	WG2233238
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2233238
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2233238
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2233238
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2233238
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2233238
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2233238
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2233238
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2233238
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2233238
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2233238
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2233238
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2233238
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2233238
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2233238
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2233238
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2233238
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2233238
Ethanol	64-17-5	46.10	0.265	2.50	4.71	31.6	59.6		1	WG2233238
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2233238
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2233238
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.228	1.28		1	WG2233238
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.431	2.13		1	WG2233238
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2233238
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2233238
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2233238
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2233238
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2233238
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2233238
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.295	1.02		1	WG2233238
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2233238
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	1.10	3.24	J	1	WG2233238
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2233238
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2233238
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2233238
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2233238
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2233238
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.227	0.670		1	WG2233238
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.700	1.72	J	1	WG2233238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2233238
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2233238
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2233238
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2233238
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2233238
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.28	4.82		1	WG2233238
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2233238
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2233238
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2233238
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2233238
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2233238
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2233238
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2233238
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2233238
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2233238
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2233238
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2233238
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2233238
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.0				WG2233238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.35	7.96		1	WG2233238
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.518	0.870	B J	1	WG2233238
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2233238
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2233238
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.140	0.447	J	1	WG2233238
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2233238
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2233238
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2233238
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2233238
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2233238
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2233238
Butane	106-97-8	58	0.0522	0.200	0.474	0.439	1.04		1	WG2233238
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2233238
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2233238
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2233238
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2233238
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2233238
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.606	1.25		1	WG2233238
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2233238
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2233238
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2233238
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2233238
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2233238
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2233238
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2233238
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2233238
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2233238
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2233238
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2233238
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2233238
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2233238
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2233238
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2233238
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2233238
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2233238
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.21	11.7		1	WG2233238
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2233238
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2233238
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.225	1.26		1	WG2233238
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.428	2.12		1	WG2233238
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2233238
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2233238
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2233238
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2233238
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2233238
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2233238
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.288	1.00		1	WG2233238
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2233238
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.274	0.808	J	1	WG2233238
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2233238
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2233238
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2233238
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2233238
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2233238
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2233238
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.758	1.86	J	1	WG2233238

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2233238
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2233238
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2233238
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2233238
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2233238
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.406	1.53	U	1	WG2233238
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2233238
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2233238
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2233238
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2233238
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2233238
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2233238
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2233238
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2233238
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2233238
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2233238
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.188	0.815	U	1	WG2233238
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0852	0.369	U	1	WG2233238
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.5				WG2233238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.83	9.10		1	WG2233238
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2233238
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2233238
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2233238
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.148	0.473	J	1	WG2233238
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2233238
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2233238
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2233238
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2233238
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2233238
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2233238
Butane	106-97-8	58	0.0522	0.200	0.474	0.464	1.10		1	WG2233238
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2233238
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2233238
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2233238
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2233238
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2233238
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.600	1.24		1	WG2233238
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2233238
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2233238
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2233238
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2233238
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2233238
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2233238
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2233238
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2233238
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2233238
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2233238
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2233238
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2233238
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2233238
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2233238
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2233238
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2233238
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2233238
Ethanol	64-17-5	46.10	0.265	2.50	4.71	18.4	34.7		1	WG2233238
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2233238
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2233238
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG2233238
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.421	2.08		1	WG2233238
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2233238
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2233238
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2233238
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2233238
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2233238
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2233238
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.254	0.882		1	WG2233238
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2233238
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2233238
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2233238
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2233238
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2233238
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2233238
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2233238
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2233238
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.02	2.51	J	1	WG2233238



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2233238
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2233238
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2233238
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2233238
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2233238
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.322	1.21	J	1	WG2233238
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2233238
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2233238
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2233238
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2233238
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2233238
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2233238
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2233238
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2233238
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2233238
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2233238
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2233238
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2233238
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		95.7				WG2233238

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4037840-3 02/24/24 08:23

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	0.357	U	0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.266	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4037840-3 02/24/24 08:23

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	97.6			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4037840-1 02/24/24 07:05 • (LCSD) R4037840-2 02/24/24 07:45

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	3.55	3.47	94.7	92.5	70.0-130			2.28	25
Acetonitrile	18.8	15.6	15.8	83.0	84.0	70.0-130			1.27	25
Acrylonitrile	3.75	3.52	3.40	93.9	90.7	70.0-130			3.47	25
Allyl chloride	3.75	3.79	3.91	101	104	70.0-130			3.12	25
Benzene	3.75	3.81	3.84	102	102	70.0-130			0.784	25
Benzyl Chloride	3.75	3.82	4.16	102	111	70.0-152			8.52	25
Bromodichloromethane	3.75	3.75	3.78	100	101	70.0-130			0.797	25
Bromoform	3.75	3.67	3.66	97.9	97.6	70.0-130			0.273	25
Bromomethane	3.75	3.80	3.64	101	97.1	70.0-130			4.30	25
Bromoethane	3.75	3.78	3.80	101	101	70.0-130			0.528	25
1,3-Butadiene	3.75	3.91	3.85	104	103	70.0-130			1.55	25
Butane	3.75	3.88	3.73	103	99.5	70.0-130			3.94	25
Carbon disulfide	3.75	3.65	3.60	97.3	96.0	70.0-130			1.38	25
Carbon tetrachloride	3.75	3.71	3.73	98.9	99.5	70.0-130			0.538	25
Chlorobenzene	3.75	3.89	3.85	104	103	70.0-130			1.03	25
Chloroethane	3.75	3.50	3.38	93.3	90.1	70.0-130			3.49	25
Chloroform	3.75	3.69	3.68	98.4	98.1	70.0-130			0.271	25
Chloromethane	3.75	3.53	3.54	94.1	94.4	70.0-130			0.283	25
2-Chlorotoluene	3.75	3.88	3.89	103	104	70.0-130			0.257	25
Cyclohexane	3.75	3.87	3.84	103	102	70.0-130			0.778	25
n-Decane	3.75	3.54	3.90	94.4	104	70.0-130			9.68	25
Dibromochloromethane	3.75	3.86	3.83	103	102	70.0-130			0.780	25
1,2-Dibromoethane	3.75	3.87	3.91	103	104	70.0-130			1.03	25
1,2-Dichlorobenzene	3.75	3.83	4.08	102	109	70.0-130			6.32	25
1,3-Dichlorobenzene	3.75	3.72	4.03	99.2	107	70.0-130			8.00	25
1,4-Dichlorobenzene	3.75	3.82	4.10	102	109	70.0-130			7.07	25
1,2-Dichloroethane	3.75	3.48	3.51	92.8	93.6	70.0-130			0.858	25
1,1-Dichloroethane	3.75	3.57	3.62	95.2	96.5	70.0-130			1.39	25
1,1-Dichloroethene	3.75	3.66	3.71	97.6	98.9	70.0-130			1.36	25
cis-1,2-Dichloroethene	3.75	3.63	3.54	96.8	94.4	70.0-130			2.51	25
trans-1,2-Dichloroethene	3.75	3.64	3.66	97.1	97.6	70.0-130			0.548	25
1,2-Dichloropropane	3.75	3.69	3.64	98.4	97.1	70.0-130			1.36	25
cis-1,3-Dichloropropene	3.75	3.81	3.82	102	102	70.0-130			0.262	25
trans-1,3-Dichloropropene	3.75	3.72	3.73	99.2	99.5	70.0-130			0.268	25
1,4-Dioxane	3.75	3.82	3.77	102	101	70.0-140			1.32	25
Ethanol	3.75	3.51	3.53	93.6	94.1	55.0-148			0.568	25
Ethylbenzene	3.75	3.94	3.88	105	103	70.0-130			1.53	25
4-Ethyltoluene	3.75	3.83	4.01	102	107	70.0-130			4.59	25
Trichlorofluoromethane	3.75	3.70	3.69	98.7	98.4	70.0-130			0.271	25
Dichlorodifluoromethane	3.75	3.61	3.54	96.3	94.4	64.0-139			1.96	25

¹Cp

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⁶Sr

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¹⁰Sc

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

(LCS) R4037840-1 02/24/24 07:05 • (LCSD) R4037840-2 02/24/24 07:45

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.84	3.80	102	101	70.0-130			1.05	25
1,2-Dichlorotetrafluoroethane	3.75	3.85	3.81	103	102	70.0-130			1.04	25
Heptane	3.75	3.77	3.74	101	99.7	70.0-130			0.799	25
Hexachloro-1,3-butadiene	3.75	3.88	4.20	103	112	70.0-151			7.92	25
n-Hexane	3.75	3.61	3.64	96.3	97.1	70.0-130			0.828	25
Isopropylbenzene	3.75	3.92	3.95	105	105	70.0-130			0.762	25
Methylene Chloride	3.75	3.41	3.35	90.9	89.3	70.0-130			1.78	25
Methyl Butyl Ketone	3.75	3.75	3.74	100	99.7	70.0-149			0.267	25
2-Butanone (MEK)	3.75	3.63	3.56	96.8	94.9	70.0-130			1.95	25
4-Methyl-2-pentanone (MIBK)	3.75	3.74	3.75	99.7	100	70.0-139			0.267	25
Methyl methacrylate	3.75	3.60	3.55	96.0	94.7	70.0-130			1.40	25
MTBE	3.75	3.82	3.78	102	101	70.0-130			1.05	25
Naphthalene	3.75	4.03	4.43	107	118	70.0-159			9.46	25
Nonane	3.75	3.66	3.61	97.6	96.3	70.0-130			1.38	25
Pentane	3.75	3.61	3.59	96.3	95.7	70.0-130			0.556	25
2-Propanol	3.75	3.44	3.43	91.7	91.5	70.0-139			0.291	25
Propene	3.75	3.63	3.69	96.8	98.4	64.0-144			1.64	25
Styrene	3.75	3.89	3.94	104	105	70.0-130			1.28	25
1,1,2,2-Tetrachloroethane	3.75	3.61	3.84	96.3	102	70.0-130			6.17	25
Tetrachloroethylene	3.75	3.96	3.96	106	106	70.0-130			0.000	25
Tetrahydrofuran	3.75	3.57	3.57	95.2	95.2	70.0-137			0.000	25
Toluene	3.75	3.91	3.87	104	103	70.0-130			1.03	25
1,2,4-Trichlorobenzene	3.75	3.96	4.33	106	115	70.0-160			8.93	25
1,1,1-Trichloroethane	3.75	3.71	3.67	98.9	97.9	70.0-130			1.08	25
1,1,2-Trichloroethane	3.75	3.95	3.92	105	105	70.0-130			0.762	25
Trichloroethylene	3.75	3.81	3.80	102	101	70.0-130			0.263	25
1,2,4-Trimethylbenzene	3.75	3.84	4.12	102	110	70.0-130			7.04	25
1,3,5-Trimethylbenzene	3.75	3.84	4.09	102	109	70.0-130			6.31	25
2,2,4-Trimethylpentane	3.75	3.82	3.78	102	101	70.0-130			1.05	25
Vinyl chloride	3.75	3.62	3.66	96.5	97.6	70.0-130			1.10	25
Vinyl Bromide	3.75	3.76	3.75	100	100	70.0-130			0.266	25
Vinyl acetate	3.75	3.60	3.53	96.0	94.1	70.0-130			1.96	25
m&p-Xylene	7.50	8.07	8.05	108	107	70.0-130			0.248	25
o-Xylene	3.75	3.92	3.95	105	105	70.0-130			0.762	25
(S) 1,4-Bromofluorobenzene				97.4	97.5	60.0-140				

¹Cp

²Tc

³Ss

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⁵Ds

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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.
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
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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





J057

Retain w/ storage fees after 2X hold time

T/P#-

SDG # MTWA0220MC

CTEH - ER

Sample Delivery Group: L1709570
Samples Received: 02/27/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

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

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0223MC001 L1709570-01 Air

				Collected by	Collected date/time	Received date/time
					02/24/24 15:29	02/27/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2235746	1	02/28/24 11:22	02/28/24 11:22	DAH	Mt. Juliet, TN

MTWA0223MC002 L1709570-02 Air

				Collected by	Collected date/time	Received date/time
					02/24/24 15:52	02/27/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2235746	1	02/28/24 12:01	02/28/24 12:01	DAH	Mt. Juliet, TN

MTWA0223MC003 L1709570-03 Air

				Collected by	Collected date/time	Received date/time
					02/24/24 16:12	02/27/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2235746	1	02/28/24 12:39	02/28/24 12:39	DAH	Mt. Juliet, TN

MTWA0223MC004 L1709570-04 Air

				Collected by	Collected date/time	Received date/time
					02/24/24 14:25	02/27/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2235746	1	02/28/24 13:18	02/28/24 13:18	DAH	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch	1Cp
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				2Tc
MTWA0223MC001	L1709570-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	8.81	20.9	1	WG2235746	
MTWA0223MC001	L1709570-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	353	593	1	WG2235746	
MTWA0223MC001	L1709570-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.423	1.35	1	WG2235746	3Ss
MTWA0223MC001	L1709570-01	Butane	106-97-8	58	0.0522	0.200	0.474	2.64	6.26	1	WG2235746	
MTWA0223MC001	L1709570-01	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0821	0.517	1	WG2235746	4Cn
MTWA0223MC001	L1709570-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.743	1.53	1	WG2235746	
MTWA0223MC001	L1709570-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	35.5	66.9	1	WG2235746	
MTWA0223MC001	L1709570-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.259	1.46	1	WG2235746	5Ds
MTWA0223MC001	L1709570-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.565	2.79	1	WG2235746	
MTWA0223MC001	L1709570-01	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	4.00	14.1	1	WG2235746	6Sr
MTWA0223MC001	L1709570-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	16.0	55.6	1	WG2235746	
MTWA0223MC001	L1709570-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.400	1.18	1	WG2235746	
MTWA0223MC001	L1709570-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.53	4.51	1	WG2235746	7Qc
MTWA0223MC001	L1709570-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	7.42	18.2	1	WG2235746	
MTWA0223MC001	L1709570-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.39	5.24	1	WG2235746	8Gl
MTWA0223MC001	L1709570-01	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.453	2.12	1	WG2235746	
MTWA0223MC002	L1709570-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	7.65	18.2	1	WG2235746	
MTWA0223MC002	L1709570-02	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	4.87	8.18	1	WG2235746	9Al
MTWA0223MC002	L1709570-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.454	1.45	1	WG2235746	
MTWA0223MC002	L1709570-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.672	1.59	1	WG2235746	10Sc
MTWA0223MC002	L1709570-02	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0841	0.530	1	WG2235746	
MTWA0223MC002	L1709570-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.840	1.73	1	WG2235746	
MTWA0223MC002	L1709570-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	11.4	21.5	1	WG2235746	
MTWA0223MC002	L1709570-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.269	1.51	1	WG2235746	
MTWA0223MC002	L1709570-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.654	3.23	1	WG2235746	
MTWA0223MC002	L1709570-02	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0822	0.630	1	WG2235746	
MTWA0223MC002	L1709570-02	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.183	0.900	1	WG2235746	
MTWA0223MC002	L1709570-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.353	1.23	1	WG2235746	
MTWA0223MC002	L1709570-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.407	1.20	1	WG2235746	
MTWA0223MC002	L1709570-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.456	1.35	1	WG2235746	
MTWA0223MC002	L1709570-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.34	3.29	1	WG2235746	
MTWA0223MC002	L1709570-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.910	3.43	1	WG2235746	
MTWA0223MC003	L1709570-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	11.2	26.6	1	WG2235746	
MTWA0223MC003	L1709570-03	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.38	5.67	1	WG2235746	
MTWA0223MC003	L1709570-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	1.47	4.70	1	WG2235746	
MTWA0223MC003	L1709570-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.597	1.42	1	WG2235746	
MTWA0223MC003	L1709570-03	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0848	0.534	1	WG2235746	
MTWA0223MC003	L1709570-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	1.77	3.66	1	WG2235746	
MTWA0223MC003	L1709570-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	15.5	29.2	1	WG2235746	
MTWA0223MC003	L1709570-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.263	1.48	1	WG2235746	
MTWA0223MC003	L1709570-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.890	4.40	1	WG2235746	
MTWA0223MC003	L1709570-03	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0838	0.642	1	WG2235746	
MTWA0223MC003	L1709570-03	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.646	3.18	1	WG2235746	
MTWA0223MC003	L1709570-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.285	0.990	1	WG2235746	
MTWA0223MC003	L1709570-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	1.12	3.30	1	WG2235746	
MTWA0223MC003	L1709570-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.266	0.785	1	WG2235746	
MTWA0223MC003	L1709570-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.94	7.31	1	WG2235746	
MTWA0223MC003	L1709570-03	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.150	0.650	1	WG2235746	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch	
					ppbv	ppbv	ug/m3	ppbv	ug/m3				¹ Cp
MTWA0223MC004	<u>L1709570-04</u>	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.80	9.03		1	WG2235746	² Tc
MTWA0223MC004	<u>L1709570-04</u>	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	4.90	8.23	J	1	WG2235746	³ Ss
MTWA0223MC004	<u>L1709570-04</u>	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	2.38	5.16	J	1	WG2235746	⁴ Cn
MTWA0223MC004	<u>L1709570-04</u>	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.206	0.658		1	WG2235746	⁵ Ds
MTWA0223MC004	<u>L1709570-04</u>	Butane	106-97-8	58	0.0522	0.200	0.474	0.571	1.35		1	WG2235746	⁶ Sr
MTWA0223MC004	<u>L1709570-04</u>	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0870	0.548	J	1	WG2235746	⁷ Qc
MTWA0223MC004	<u>L1709570-04</u>	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.666	1.38		1	WG2235746	⁸ Gl
MTWA0223MC004	<u>L1709570-04</u>	Ethanol	64-17-5	46.10	0.265	2.50	4.71	14.3	27.0		1	WG2235746	⁹ Al
MTWA0223MC004	<u>L1709570-04</u>	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.272	1.53		1	WG2235746	¹⁰ Sc
MTWA0223MC004	<u>L1709570-04</u>	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.937	4.63		1	WG2235746	
MTWA0223MC004	<u>L1709570-04</u>	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0824	0.632	J	1	WG2235746	
MTWA0223MC004	<u>L1709570-04</u>	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.257	0.892		1	WG2235746	
MTWA0223MC004	<u>L1709570-04</u>	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.309	0.911	J	1	WG2235746	
MTWA0223MC004	<u>L1709570-04</u>	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.256	0.755		1	WG2235746	
MTWA0223MC004	<u>L1709570-04</u>	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.33	3.27		1	WG2235746	

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	8.81	20.9		1	WG2235746
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	353	593		1	WG2235746
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2235746
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2235746
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.423	1.35		1	WG2235746
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2235746
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2235746
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2235746
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2235746
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2235746
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2235746
Butane	106-97-8	58	0.0522	0.200	0.474	2.64	6.26		1	WG2235746
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2235746
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0821	0.517	J	1	WG2235746
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2235746
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2235746
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2235746
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.743	1.53		1	WG2235746
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2235746
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2235746
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2235746
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2235746
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2235746
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2235746
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2235746
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2235746
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2235746
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2235746
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2235746
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2235746
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2235746
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2235746
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2235746
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2235746
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2235746
Ethanol	64-17-5	46.10	0.265	2.50	4.71	35.5	66.9		1	WG2235746
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2235746
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2235746
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.259	1.46		1	WG2235746
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.565	2.79		1	WG2235746
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2235746
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2235746
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2235746
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2235746
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	4.00	14.1		1	WG2235746
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2235746
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	16.0	55.6		1	WG2235746
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2235746
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.400	1.18	J	1	WG2235746
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2235746
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2235746
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2235746
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2235746
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2235746
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.53	4.51		1	WG2235746
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	7.42	18.2		1	WG2235746

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2235746
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2235746
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2235746
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2235746
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2235746
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.39	5.24		1	WG2235746
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2235746
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2235746
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2235746
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2235746
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2235746
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2235746
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.453	2.12		1	WG2235746
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2235746
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2235746
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2235746
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2235746
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2235746
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.9				WG2235746

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	7.65	18.2		1	WG2235746
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	4.87	8.18	J	1	WG2235746
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2235746
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2235746
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.454	1.45		1	WG2235746
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2235746
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2235746
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2235746
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2235746
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2235746
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2235746
Butane	106-97-8	58	0.0522	0.200	0.474	0.672	1.59		1	WG2235746
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2235746
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0841	0.530	J	1	WG2235746
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2235746
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2235746
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2235746
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.840	1.73		1	WG2235746
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2235746
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2235746
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2235746
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2235746
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2235746
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2235746
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2235746
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2235746
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2235746
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2235746
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2235746
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2235746
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2235746
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2235746
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2235746
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2235746
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2235746
Ethanol	64-17-5	46.10	0.265	2.50	4.71	11.4	21.5		1	WG2235746
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2235746
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2235746
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.269	1.51		1	WG2235746
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.654	3.23		1	WG2235746
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0822	0.630	J	1	WG2235746
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2235746
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2235746
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2235746
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2235746
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.183	0.900	J	1	WG2235746
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.353	1.23		1	WG2235746
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2235746
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.407	1.20	J	1	WG2235746
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2235746
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2235746
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2235746
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2235746
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2235746
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.456	1.35		1	WG2235746
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.34	3.29		1	WG2235746

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2235746
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2235746
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2235746
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2235746
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2235746
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.910	3.43		1	WG2235746
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2235746
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2235746
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2235746
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2235746
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2235746
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2235746
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2235746
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2235746
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2235746
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2235746
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2235746
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2235746
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.6				WG2235746

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	11.2	26.6		1	WG2235746
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.38	5.67	J	1	WG2235746
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2235746
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2235746
Benzene	71-43-2	78.10	0.0715	0.200	0.639	1.47	4.70		1	WG2235746
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2235746
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2235746
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2235746
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2235746
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2235746
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2235746
Butane	106-97-8	58	0.0522	0.200	0.474	0.597	1.42		1	WG2235746
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2235746
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0848	0.534	J	1	WG2235746
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2235746
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2235746
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2235746
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	1.77	3.66		1	WG2235746
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2235746
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2235746
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2235746
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2235746
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2235746
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2235746
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2235746
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2235746
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2235746
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2235746
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2235746
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2235746
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2235746
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2235746
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2235746
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2235746
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2235746
Ethanol	64-17-5	46.10	0.265	2.50	4.71	15.5	29.2		1	WG2235746
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2235746
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2235746
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.263	1.48		1	WG2235746
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.890	4.40		1	WG2235746
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0838	0.642	J	1	WG2235746
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2235746
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2235746
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2235746
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2235746
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.646	3.18		1	WG2235746
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.285	0.990		1	WG2235746
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2235746
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	1.12	3.30	J	1	WG2235746
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2235746
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2235746
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2235746
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2235746
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2235746
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.266	0.785		1	WG2235746
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	U	U		1	WG2235746

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2235746
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2235746
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2235746
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2235746
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2235746
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.94	7.31		1	WG2235746
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2235746
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2235746
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2235746
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2235746
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2235746
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2235746
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2235746
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2235746
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2235746
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2235746
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.150	0.650	J	1	WG2235746
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2235746
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.8				WG2235746

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.80	9.03		1	WG2235746
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	4.90	8.23	J	1	WG2235746
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	2.38	5.16	J	1	WG2235746
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2235746
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.206	0.658		1	WG2235746
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2235746
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2235746
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2235746
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2235746
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2235746
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2235746
Butane	106-97-8	58	0.0522	0.200	0.474	0.571	1.35		1	WG2235746
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2235746
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0870	0.548	J	1	WG2235746
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2235746
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2235746
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2235746
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.666	1.38		1	WG2235746
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2235746
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2235746
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2235746
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2235746
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2235746
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2235746
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2235746
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2235746
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2235746
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2235746
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2235746
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2235746
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2235746
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2235746
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2235746
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2235746
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2235746
Ethanol	64-17-5	46.10	0.265	2.50	4.71	14.3	27.0		1	WG2235746
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2235746
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2235746
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.272	1.53		1	WG2235746
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.937	4.63		1	WG2235746
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0824	0.632	J	1	WG2235746
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2235746
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2235746
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2235746
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2235746
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2235746
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.257	0.892		1	WG2235746
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2235746
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.309	0.911	J	1	WG2235746
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2235746
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2235746
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2235746
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2235746
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2235746
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.256	0.755		1	WG2235746
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.33	3.27		1	WG2235746

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2235746
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2235746
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2235746
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2235746
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2235746
Toluene	108-88-3	92.10	0.0870	0.500	1.88	U	U		1	WG2235746
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2235746
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2235746
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2235746
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2235746
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2235746
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2235746
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2235746
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2235746
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2235746
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2235746
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2235746
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2235746
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.3				WG2235746

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4039270-3 02/28/24 10:17

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4039270-3 02/28/24 10:17

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	96.2			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4039270-1 02/28/24 08:59 • (LCSD) R4039270-2 02/28/24 09:39

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.53	4.47	121	119	70.0-130			1.33	25
Acetonitrile	18.8	22.4	21.3	119	113	70.0-130			5.03	25
Acrylonitrile	3.75	4.41	4.45	118	119	70.0-130			0.903	25
Allyl chloride	3.75	4.49	4.87	120	130	70.0-130			8.12	25
Benzene	3.75	4.48	4.39	119	117	70.0-130			2.03	25
Benzyl Chloride	3.75	4.83	4.53	129	121	70.0-152			6.41	25
Bromodichloromethane	3.75	4.59	4.41	122	118	70.0-130			4.00	25
Bromoform	3.75	4.28	4.11	114	110	70.0-130			4.05	25
Bromomethane	3.75	4.39	4.29	117	114	70.0-130			2.30	25
Bromoethane	3.75	4.46	4.32	119	115	70.0-130			3.19	25
1,3-Butadiene	3.75	4.37	4.27	117	114	70.0-130			2.31	25
Butane	3.75	4.30	4.15	115	111	70.0-130			3.55	25
Carbon disulfide	3.75	4.57	4.44	122	118	70.0-130			2.89	25
Carbon tetrachloride	3.75	4.52	4.40	121	117	70.0-130			2.69	25
Chlorobenzene	3.75	4.57	4.46	122	119	70.0-130			2.44	25
Chloroethane	3.75	4.46	4.26	119	114	70.0-130			4.59	25
Chloroform	3.75	4.55	4.45	121	119	70.0-130			2.22	25
Chloromethane	3.75	4.51	4.39	120	117	70.0-130			2.70	25
2-Chlorotoluene	3.75	4.61	4.45	123	119	70.0-130			3.53	25
Cyclohexane	3.75	4.39	4.31	117	115	70.0-130			1.84	25
n-Decane	3.75	4.74	4.40	126	117	70.0-130			7.44	25
Dibromochloromethane	3.75	4.49	4.36	120	116	70.0-130			2.94	25
1,2-Dibromoethane	3.75	4.49	4.43	120	118	70.0-130			1.35	25
1,2-Dichlorobenzene	3.75	4.60	4.38	123	117	70.0-130			4.90	25
1,3-Dichlorobenzene	3.75	4.59	4.33	122	115	70.0-130			5.83	25
1,4-Dichlorobenzene	3.75	4.61	4.39	123	117	70.0-130			4.89	25
1,2-Dichloroethane	3.75	4.66	4.63	124	123	70.0-130			0.646	25
1,1-Dichloroethane	3.75	4.53	4.44	121	118	70.0-130			2.01	25
1,1-Dichloroethene	3.75	4.59	4.51	122	120	70.0-130			1.76	25
cis-1,2-Dichloroethene	3.75	4.51	4.49	120	120	70.0-130			0.444	25
trans-1,2-Dichloroethene	3.75	4.57	4.52	122	121	70.0-130			1.10	25
1,2-Dichloropropane	3.75	4.48	4.32	119	115	70.0-130			3.64	25
cis-1,3-Dichloropropene	3.75	4.43	4.35	118	116	70.0-130			1.82	25
trans-1,3-Dichloropropene	3.75	4.41	4.37	118	117	70.0-130			0.911	25
1,4-Dioxane	3.75	4.30	4.28	115	114	70.0-140			0.466	25
Ethanol	3.75	4.26	4.15	114	111	55.0-148			2.62	25
Ethylbenzene	3.75	4.55	4.41	121	118	70.0-130			3.13	25
4-Ethyltoluene	3.75	4.61	4.45	123	119	70.0-130			3.53	25
Trichlorofluoromethane	3.75	4.50	4.45	120	119	70.0-130			1.12	25
Dichlorodifluoromethane	3.75	4.70	4.59	125	122	64.0-139			2.37	25

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4039270-1 02/28/24 08:59 • (LCSD) R4039270-2 02/28/24 09:39

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.54	4.47	121	119	70.0-130			1.55	25
1,2-Dichlorotetrafluoroethane	3.75	4.57	4.52	122	121	70.0-130			1.10	25
Heptane	3.75	4.52	4.44	121	118	70.0-130			1.79	25
Hexachloro-1,3-butadiene	3.75	4.38	4.11	117	110	70.0-151			6.36	25
n-Hexane	3.75	4.48	4.47	119	119	70.0-130			0.223	25
Isopropylbenzene	3.75	4.50	4.38	120	117	70.0-130			2.70	25
Methylene Chloride	3.75	4.55	4.46	121	119	70.0-130			2.00	25
Methyl Butyl Ketone	3.75	4.60	4.51	123	120	70.0-149			1.98	25
2-Butanone (MEK)	3.75	4.44	4.37	118	117	70.0-130			1.59	25
4-Methyl-2-pentanone (MIBK)	3.75	4.57	4.48	122	119	70.0-139			1.99	25
Methyl methacrylate	3.75	4.30	4.21	115	112	70.0-130			2.12	25
MTBE	3.75	4.54	4.44	121	118	70.0-130			2.23	25
Naphthalene	3.75	4.48	4.41	119	118	70.0-159			1.57	25
Nonane	3.75	4.51	4.39	120	117	70.0-130			2.70	25
Pentane	3.75	4.59	4.51	122	120	70.0-130			1.76	25
2-Propanol	3.75	4.47	4.42	119	118	70.0-139			1.12	25
Propene	3.75	4.15	4.03	111	107	64.0-144			2.93	25
Styrene	3.75	4.54	4.37	121	117	70.0-130			3.82	25
1,1,2,2-Tetrachloroethane	3.75	4.53	4.32	121	115	70.0-130			4.75	25
Tetrachloroethylene	3.75	4.39	4.30	117	115	70.0-130			2.07	25
Tetrahydrofuran	3.75	4.55	4.40	121	117	70.0-137			3.35	25
Toluene	3.75	4.51	4.43	120	118	70.0-130			1.79	25
1,2,4-Trichlorobenzene	3.75	4.30	4.21	115	112	70.0-160			2.12	25
1,1,1-Trichloroethane	3.75	4.54	4.44	121	118	70.0-130			2.23	25
1,1,2-Trichloroethane	3.75	4.42	4.36	118	116	70.0-130			1.37	25
Trichloroethylene	3.75	4.50	4.40	120	117	70.0-130			2.25	25
1,2,4-Trimethylbenzene	3.75	4.59	4.39	122	117	70.0-130			4.45	25
1,3,5-Trimethylbenzene	3.75	4.56	4.39	122	117	70.0-130			3.80	25
2,2,4-Trimethylpentane	3.75	4.52	4.41	121	118	70.0-130			2.46	25
Vinyl chloride	3.75	4.50	4.42	120	118	70.0-130			1.79	25
Vinyl Bromide	3.75	4.41	4.42	118	118	70.0-130			0.227	25
Vinyl acetate	3.75	4.23	4.23	113	113	70.0-130			0.000	25
m&p-Xylene	7.50	9.17	8.91	122	119	70.0-130			2.88	25
o-Xylene	3.75	4.53	4.37	121	117	70.0-130			3.60	25
(S) 1,4-Bromofluorobenzene				100	100	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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.
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.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



CTEHER Next Days Received at 0"Hg/Need to be Deleted



Sierra D. Sesler

To: Jared Starkey

Cc: MTJL Air



Reply



Reply All



Forward



Tue 2/27/2024 4:22 PM

You replied to this message on 2/27/2024 4:52 PM.
If there are problems with how this message is displayed, [click here to view it in a web browser.](#)

Hi Jared,

These ERs were received at 0"Hg:

L1709570

-03: Client recorded -1"Hg

-04: Client recorded -1"Hg

-05: Client recorded -1"Hg

L1709573

-01: Client recorded -1"Hg

-02: Client recorded 0"Hg

L1709580-02 was received at -24"Hg and will need to be deleted. Thanks.

Sierra Sesler

Scientist Team Lead - Air Lab

12065 Lebanon Road | Mt. Juliet, TN 37122

615.773.9731 | pacelabs.com

CTEH - ER

Sample Delivery Group: L1709573
Samples Received: 02/27/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

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

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0221MC001 L1709573-01 Air

				Collected by	Collected date/time	Received date/time
					02/22/24 15:27	02/27/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2235715	1	02/28/24 11:49	02/28/24 11:49	DAH	Mt. Juliet, TN

¹Cp

²Tc

³Ss

MTWA0221MC002A L1709573-02 Air

				Collected by	Collected date/time	Received date/time
					02/22/24 15:45	02/27/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2235715	1	02/28/24 12:17	02/28/24 12:17	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2236038	10	02/28/24 15:34	02/28/24 15:34	SDS	Mt. Juliet, TN

⁴Cn

⁵Ds

⁶Sr

MTWA0221MC002B L1709573-03 Air

				Collected by	Collected date/time	Received date/time
					02/22/24 15:50	02/27/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2235715	1	02/28/24 12:46	02/28/24 12:46	DAH	Mt. Juliet, TN

⁷Qc

⁸Gl

MTWA0221MC003 L1709573-04 Air

				Collected by	Collected date/time	Received date/time
					02/22/24 16:10	02/27/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2235715	1	02/28/24 13:14	02/28/24 13:14	DAH	Mt. Juliet, TN

⁹Al

¹⁰Sc

MTWA0221MC004 L1709573-05 Air

				Collected by	Collected date/time	Received date/time
					02/22/24 16:24	02/27/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2235715	1	02/28/24 13:42	02/28/24 13:42	DAH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2235715	2-Propanol	L1709573-01, 03, 04, 05
WG2235715	Acetonitrile	L1709573-01, 02, 04, 05
WG2235715	Ethanol	L1709573-01



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch	
					ppbv	ppbv	ug/m3	ppbv	ug/m3				
MTWA0221MC001	L1709573-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.08	9.70		1	WG2235715	¹ Cp
MTWA0221MC001	L1709573-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	6.05	10.2	B	1	WG2235715	² Tc
MTWA0221MC001	L1709573-01	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0879	0.554	J	1	WG2235715	³ Ss
MTWA0221MC001	L1709573-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.615	1.27		1	WG2235715	
MTWA0221MC001	L1709573-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.59	10.5	B	1	WG2235715	⁴ Cn
MTWA0221MC001	L1709573-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.202	1.14		1	WG2235715	
MTWA0221MC001	L1709573-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.540	2.67		1	WG2235715	⁵ Ds
MTWA0221MC001	L1709573-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.01	4.94	B	1	WG2235715	
MTWA0221MC001	L1709573-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.328	1.24	J	1	WG2235715	
MTWA0221MC002A	L1709573-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	35.8	85.1		1	WG2235715	⁶ Sr
MTWA0221MC002A	L1709573-02	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	6.84	11.5	B	1	WG2235715	
MTWA0221MC002A	L1709573-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.829	2.65		1	WG2235715	⁷ Qc
MTWA0221MC002A	L1709573-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.804	1.66		1	WG2235715	
MTWA0221MC002A	L1709573-02	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	4.96	17.1		1	WG2235715	⁸ Gl
MTWA0221MC002A	L1709573-02	n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.721	4.20		1	WG2235715	
MTWA0221MC002A	L1709573-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	88.4	167		1	WG2235715	⁹ Al
MTWA0221MC002A	L1709573-02	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.524	2.27		1	WG2235715	
MTWA0221MC002A	L1709573-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.216	1.21		1	WG2235715	¹⁰ Sc
MTWA0221MC002A	L1709573-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.477	2.36		1	WG2235715	
MTWA0221MC002A	L1709573-02	Heptane	142-82-5	100	0.104	0.200	0.818	1.73	7.08		1	WG2235715	
MTWA0221MC002A	L1709573-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	89.4	264		1	WG2235715	
MTWA0221MC002A	L1709573-02	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.491	2.58		1	WG2235715	
MTWA0221MC002A	L1709573-02	Pentane	109-66-0	72.15	0.503	2.00	5.90	107	316		10	WG2236038	
MTWA0221MC002A	L1709573-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	11.8	29.0		1	WG2235715	
MTWA0221MC002A	L1709573-02	Styrene	100-42-5	104	0.0788	0.200	0.851	0.291	1.24		1	WG2235715	
MTWA0221MC002A	L1709573-02	Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	0.213	1.45		1	WG2235715	
MTWA0221MC002A	L1709573-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	27.8	105		1	WG2235715	
MTWA0221MC002A	L1709573-02	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.222	1.09		1	WG2235715	
MTWA0221MC002A	L1709573-02	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.39	6.03		1	WG2235715	
MTWA0221MC002A	L1709573-02	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.509	2.21		1	WG2235715	
MTWA0221MC002B	L1709573-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.59	15.7		1	WG2235715	
MTWA0221MC002B	L1709573-03	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	322	541		1	WG2235715	
MTWA0221MC002B	L1709573-03	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.49	3.23	J	1	WG2235715	
MTWA0221MC002B	L1709573-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.138	0.441	J	1	WG2235715	
MTWA0221MC002B	L1709573-03	Butane	106-97-8	58	0.0522	0.200	0.474	1.43	3.39		1	WG2235715	
MTWA0221MC002B	L1709573-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.598	1.24		1	WG2235715	
MTWA0221MC002B	L1709573-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	28.1	53.0		1	WG2235715	
MTWA0221MC002B	L1709573-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.199	1.12	J	1	WG2235715	
MTWA0221MC002B	L1709573-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.475	2.35		1	WG2235715	
MTWA0221MC002B	L1709573-03	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.45	5.11		1	WG2235715	
MTWA0221MC002B	L1709573-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	7.09	24.6		1	WG2235715	
MTWA0221MC002B	L1709573-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.13	3.33		1	WG2235715	
MTWA0221MC002B	L1709573-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.69	9.07	B	1	WG2235715	
MTWA0221MC002B	L1709573-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.746	2.81		1	WG2235715	
MTWA0221MC002B	L1709573-03	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.374	1.75		1	WG2235715	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	
					ppbv	ppbv	ug/m3	ppbv	ug/m3				¹ Cp
MTWA0221MC003	L1709573-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.48	10.6		1	WG2235715	² Tc
MTWA0221MC003	L1709573-04	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	8.92	15.0	<u>B</u>	1	WG2235715	³ Ss
MTWA0221MC003	L1709573-04	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	3.14	6.81	<u>J</u>	1	WG2235715	
MTWA0221MC003	L1709573-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.340	0.807		1	WG2235715	⁴ Cn
MTWA0221MC003	L1709573-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.641	1.32		1	WG2235715	
MTWA0221MC003	L1709573-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	13.6	25.6		1	WG2235715	⁵ Ds
MTWA0221MC003	L1709573-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.220	1.24		1	WG2235715	
MTWA0221MC003	L1709573-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.487	2.41		1	WG2235715	⁶ Sr
MTWA0221MC003	L1709573-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.260	0.903		1	WG2235715	
MTWA0221MC003	L1709573-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.330	0.974		1	WG2235715	⁷ Qc
MTWA0221MC003	L1709573-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.96	4.82	<u>B</u>	1	WG2235715	
MTWA0221MC003	L1709573-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.522	1.97		1	WG2235715	⁸ Gl
MTWA0221MC004	L1709573-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.34	10.3		1	WG2235715	
MTWA0221MC004	L1709573-05	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	11.5	19.3	<u>B</u>	1	WG2235715	⁹ Al
MTWA0221MC004	L1709573-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.134	0.428	<u>J</u>	1	WG2235715	
MTWA0221MC004	L1709573-05	Butane	106-97-8	58	0.0522	0.200	0.474	0.411	0.975		1	WG2235715	¹⁰ Sc
MTWA0221MC004	L1709573-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.599	1.24		1	WG2235715	
MTWA0221MC004	L1709573-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.1	19.0		1	WG2235715	
MTWA0221MC004	L1709573-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.226	1.27		1	WG2235715	
MTWA0221MC004	L1709573-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.492	2.43		1	WG2235715	
MTWA0221MC004	L1709573-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.393	1.36		1	WG2235715	
MTWA0221MC004	L1709573-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.51	3.71	<u>B</u>	1	WG2235715	
MTWA0221MC004	L1709573-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.257	0.968	<u>J</u>	1	WG2235715	

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.08	9.70		1	WG2235715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	6.05	10.2	B	1	WG2235715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2235715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2235715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	U	U		1	WG2235715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2235715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2235715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2235715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2235715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2235715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2235715
Butane	106-97-8	58	0.0522	0.200	0.474	U	U		1	WG2235715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2235715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0879	0.554	J	1	WG2235715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2235715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2235715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2235715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.615	1.27		1	WG2235715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2235715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2235715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2235715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2235715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2235715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2235715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2235715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2235715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2235715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2235715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2235715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2235715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2235715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2235715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2235715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2235715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2235715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.59	10.5	B	1	WG2235715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2235715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2235715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.202	1.14		1	WG2235715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.540	2.67		1	WG2235715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2235715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2235715
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2235715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2235715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2235715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2235715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	U	U		1	WG2235715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2235715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2235715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2235715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2235715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2235715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2235715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2235715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2235715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.01	4.94	B	1	WG2235715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2235715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2235715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2235715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2235715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2235715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.328	1.24	J	1	WG2235715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2235715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2235715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2235715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2235715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2235715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2235715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2235715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2235715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2235715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2235715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2235715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2235715
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		94.3				WG2235715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	35.8	85.1		1	WG2235715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	6.84	11.5	B	1	WG2235715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2235715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2235715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.829	2.65		1	WG2235715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2235715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2235715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2235715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2235715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2235715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2235715
Butane	106-97-8	58	0.0522	0.200	0.474	U	U		1	WG2235715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2235715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2235715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2235715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2235715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2235715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.804	1.66		1	WG2235715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2235715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	4.96	17.1		1	WG2235715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.721	4.20		1	WG2235715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2235715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2235715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2235715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2235715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2235715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2235715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2235715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2235715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2235715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2235715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2235715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2235715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2235715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2235715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	88.4	167		1	WG2235715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.524	2.27		1	WG2235715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2235715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.216	1.21		1	WG2235715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.477	2.36		1	WG2235715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2235715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2235715
Heptane	142-82-5	100	0.104	0.200	0.818	1.73	7.08		1	WG2235715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2235715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2235715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2235715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	U	U		1	WG2235715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2235715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	89.4	264		1	WG2235715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2235715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2235715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2235715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2235715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.491	2.58		1	WG2235715
Pentane	109-66-0	72.15	0.503	2.00	5.90	107	316		10	WG2236038
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	11.8	29.0		1	WG2235715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2235715
Styrene	100-42-5	104	0.0788	0.200	0.851	0.291	1.24		1	WG2235715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2235715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	0.213	1.45		1	WG2235715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2235715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	27.8	105		1	WG2235715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2235715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2235715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2235715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2235715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.222	1.09		1	WG2235715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2235715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2235715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2235715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2235715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2235715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.39	6.03		1	WG2235715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.509	2.21		1	WG2235715
^(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		96.7				WG2235715
^(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.5				WG2236038

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.59	15.7		1	WG2235715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	322	541		1	WG2235715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.49	3.23	J	1	WG2235715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2235715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.138	0.441	J	1	WG2235715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2235715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2235715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2235715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2235715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2235715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2235715
Butane	106-97-8	58	0.0522	0.200	0.474	1.43	3.39		1	WG2235715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2235715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2235715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2235715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2235715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2235715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.598	1.24		1	WG2235715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2235715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2235715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2235715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2235715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2235715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2235715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2235715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2235715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2235715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2235715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2235715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2235715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2235715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2235715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2235715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2235715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2235715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	28.1	53.0		1	WG2235715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2235715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2235715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.199	1.12	J	1	WG2235715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.475	2.35		1	WG2235715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2235715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2235715
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2235715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2235715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.45	5.11		1	WG2235715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2235715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	7.09	24.6		1	WG2235715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2235715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2235715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2235715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2235715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2235715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2235715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2235715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.13	3.33		1	WG2235715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.69	9.07	B	1	WG2235715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2235715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2235715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2235715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2235715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2235715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.746	2.81		1	WG2235715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2235715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2235715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2235715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2235715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2235715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2235715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.374	1.75		1	WG2235715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2235715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2235715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2235715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2235715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2235715
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		101				WG2235715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.48	10.6		1	WG2235715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	8.92	15.0	B	1	WG2235715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	3.14	6.81	J	1	WG2235715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2235715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	U	U		1	WG2235715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2235715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2235715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2235715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2235715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2235715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2235715
Butane	106-97-8	58	0.0522	0.200	0.474	0.340	0.807		1	WG2235715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2235715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2235715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2235715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2235715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2235715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.641	1.32		1	WG2235715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2235715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2235715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2235715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2235715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2235715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2235715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2235715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2235715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2235715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2235715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2235715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2235715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2235715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2235715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2235715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2235715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2235715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	13.6	25.6		1	WG2235715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2235715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2235715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.220	1.24		1	WG2235715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.487	2.41		1	WG2235715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2235715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2235715
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2235715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2235715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2235715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2235715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.260	0.903		1	WG2235715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2235715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2235715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2235715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2235715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2235715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2235715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2235715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.330	0.974		1	WG2235715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.96	4.82	B	1	WG2235715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2235715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2235715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2235715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2235715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2235715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.522	1.97		1	WG2235715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2235715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2235715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2235715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2235715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2235715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2235715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2235715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2235715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2235715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2235715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2235715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2235715
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.1				WG2235715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.34	10.3		1	WG2235715
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	11.5	19.3	B	1	WG2235715
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2235715
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2235715
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.134	0.428	J	1	WG2235715
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2235715
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2235715
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2235715
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2235715
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2235715
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2235715
Butane	106-97-8	58	0.0522	0.200	0.474	0.411	0.975		1	WG2235715
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2235715
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2235715
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2235715
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2235715
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2235715
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.599	1.24		1	WG2235715
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2235715
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2235715
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2235715
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2235715
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2235715
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2235715
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2235715
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2235715
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2235715
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2235715
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2235715
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2235715
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2235715
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2235715
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2235715
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2235715
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2235715
Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.1	19.0		1	WG2235715
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2235715
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2235715
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.226	1.27		1	WG2235715
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.492	2.43		1	WG2235715
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2235715
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2235715
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2235715
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2235715
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2235715
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2235715
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.393	1.36		1	WG2235715
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2235715
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2235715
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2235715
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2235715
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2235715
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2235715
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2235715
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2235715
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.51	3.71	B	1	WG2235715

1

Cp

2

Tc

3

Ss

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Cn

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Ds

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Sr

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Qc

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Gl

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Al

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Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2235715
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2235715
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2235715
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2235715
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2235715
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.257	0.968	J	1	WG2235715
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2235715
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2235715
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2235715
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2235715
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2235715
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2235715
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2235715
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2235715
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2235715
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2235715
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2235715
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2235715
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.0				WG2235715

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4039296-3 02/28/24 10:52

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	1.31	U	0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.606	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4039296-3 02/28/24 10:52

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	1.12	U	0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	94.7			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4039296-1 02/28/24 08:36 • (LCSD) R4039296-2 02/28/24 09:05

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	3.43	3.49	91.5	93.1	70.0-130			1.73	25
Acetonitrile	18.8	18.4	19.4	97.9	103	70.0-130			5.29	25
Acrylonitrile	3.75	3.97	3.77	106	101	70.0-130			5.17	25
Allyl chloride	3.75	3.67	3.76	97.9	100	70.0-130			2.42	25
Benzene	3.75	3.83	3.80	102	101	70.0-130			0.786	25
Benzyl Chloride	3.75	3.87	3.62	103	96.5	70.0-152			6.68	25
Bromodichloromethane	3.75	3.53	3.57	94.1	95.2	70.0-130			1.13	25
Bromoform	3.75	3.58	3.56	95.5	94.9	70.0-130			0.560	25
Bromomethane	3.75	3.50	3.70	93.3	98.7	70.0-130			5.56	25
Bromoethane	3.75	3.50	3.56	93.3	94.9	70.0-130			1.70	25
1,3-Butadiene	3.75	3.86	3.91	103	104	70.0-130			1.29	25
Butane	3.75	3.61	3.38	96.3	90.1	70.0-130			6.58	25
Carbon disulfide	3.75	3.62	3.72	96.5	99.2	70.0-130			2.72	25
Carbon tetrachloride	3.75	3.62	3.66	96.5	97.6	70.0-130			1.10	25
Chlorobenzene	3.75	3.58	3.60	95.5	96.0	70.0-130			0.557	25
Chloroethane	3.75	3.28	3.91	87.5	104	70.0-130			17.5	25
Chloroform	3.75	3.59	3.82	95.7	102	70.0-130			6.21	25
Chloromethane	3.75	3.61	3.77	96.3	101	70.0-130			4.34	25
2-Chlorotoluene	3.75	3.85	3.77	103	101	70.0-130			2.10	25
Cyclohexane	3.75	3.89	4.01	104	107	70.0-130			3.04	25
n-Decane	3.75	3.95	3.69	105	98.4	70.0-130			6.81	25
Dibromochloromethane	3.75	3.66	3.61	97.6	96.3	70.0-130			1.38	25
1,2-Dibromoethane	3.75	3.77	3.36	101	89.6	70.0-130			11.5	25
1,2-Dichlorobenzene	3.75	3.68	3.67	98.1	97.9	70.0-130			0.272	25
1,3-Dichlorobenzene	3.75	3.91	3.63	104	96.8	70.0-130			7.43	25
1,4-Dichlorobenzene	3.75	3.88	3.81	103	102	70.0-130			1.82	25
1,2-Dichloroethane	3.75	3.69	3.59	98.4	95.7	70.0-130			2.75	25
1,1-Dichloroethane	3.75	3.66	3.75	97.6	100	70.0-130			2.43	25
1,1-Dichloroethene	3.75	3.64	3.62	97.1	96.5	70.0-130			0.551	25
cis-1,2-Dichloroethene	3.75	3.68	3.80	98.1	101	70.0-130			3.21	25
trans-1,2-Dichloroethene	3.75	3.75	3.71	100	98.9	70.0-130			1.07	25
1,2-Dichloropropane	3.75	4.13	3.89	110	104	70.0-130			5.99	25
cis-1,3-Dichloropropene	3.75	3.91	3.91	104	104	70.0-130			0.000	25
trans-1,3-Dichloropropene	3.75	3.84	3.92	102	105	70.0-130			2.06	25
1,4-Dioxane	3.75	3.83	3.90	102	104	70.0-140			1.81	25
Ethanol	3.75	3.56	3.45	94.9	92.0	55.0-148			3.14	25
Ethylbenzene	3.75	3.85	3.70	103	98.7	70.0-130			3.97	25
4-Ethyltoluene	3.75	3.99	3.75	106	100	70.0-130			6.20	25
Trichlorofluoromethane	3.75	3.51	3.56	93.6	94.9	70.0-130			1.41	25
Dichlorodifluoromethane	3.75	3.48	3.56	92.8	94.9	64.0-139			2.27	25

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4039296-1 02/28/24 08:36 • (LCSD) R4039296-2 02/28/24 09:05

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.74	3.52	99.7	93.9	70.0-130			6.06	25
1,2-Dichlorotetrafluoroethane	3.75	3.57	3.48	95.2	92.8	70.0-130			2.55	25
Heptane	3.75	4.07	3.83	109	102	70.0-130			6.08	25
Hexachloro-1,3-butadiene	3.75	3.51	3.34	93.6	89.1	70.0-151			4.96	25
n-Hexane	3.75	3.80	3.85	101	103	70.0-130			1.31	25
Isopropylbenzene	3.75	3.80	3.67	101	97.9	70.0-130			3.48	25
Methylene Chloride	3.75	3.16	3.37	84.3	89.9	70.0-130			6.43	25
Methyl Butyl Ketone	3.75	4.31	4.31	115	115	70.0-149			0.000	25
2-Butanone (MEK)	3.75	3.50	3.59	93.3	95.7	70.0-130			2.54	25
4-Methyl-2-pentanone (MIBK)	3.75	4.45	4.38	119	117	70.0-139			1.59	25
Methyl methacrylate	3.75	3.77	3.69	101	98.4	70.0-130			2.14	25
MTBE	3.75	3.73	3.98	99.5	106	70.0-130			6.49	25
Naphthalene	3.75	3.95	3.78	105	101	70.0-159			4.40	25
Nonane	3.75	4.14	3.89	110	104	70.0-130			6.23	25
Pentane	3.75	3.19	3.36	85.1	89.6	70.0-130			5.19	25
2-Propanol	3.75	3.76	3.89	100	104	70.0-139			3.40	25
Propene	3.75	3.72	3.53	99.2	94.1	64.0-144			5.24	25
Styrene	3.75	4.06	3.73	108	99.5	70.0-130			8.47	25
1,1,2,2-Tetrachloroethane	3.75	3.68	3.62	98.1	96.5	70.0-130			1.64	25
Tetrachloroethylene	3.75	3.52	3.70	93.9	98.7	70.0-130			4.99	25
Tetrahydrofuran	3.75	4.02	4.01	107	107	70.0-137			0.249	25
Toluene	3.75	3.71	3.63	98.9	96.8	70.0-130			2.18	25
1,2,4-Trichlorobenzene	3.75	3.95	3.57	105	95.2	70.0-160			10.1	25
1,1,1-Trichloroethane	3.75	3.48	3.64	92.8	97.1	70.0-130			4.49	25
1,1,2-Trichloroethane	3.75	3.69	3.73	98.4	99.5	70.0-130			1.08	25
Trichloroethylene	3.75	3.74	3.70	99.7	98.7	70.0-130			1.08	25
1,2,4-Trimethylbenzene	3.75	4.00	3.81	107	102	70.0-130			4.87	25
1,3,5-Trimethylbenzene	3.75	3.95	3.61	105	96.3	70.0-130			8.99	25
2,2,4-Trimethylpentane	3.75	3.75	3.69	100	98.4	70.0-130			1.61	25
Vinyl chloride	3.75	3.72	3.73	99.2	99.5	70.0-130			0.268	25
Vinyl Bromide	3.75	3.64	3.66	97.1	97.6	70.0-130			0.548	25
Vinyl acetate	3.75	3.36	3.32	89.6	88.5	70.0-130			1.20	25
m&p-Xylene	7.50	7.67	7.44	102	99.2	70.0-130			3.04	25
o-Xylene	3.75	4.01	3.75	107	100	70.0-130			6.70	25
(S) 1,4-Bromofluorobenzene				100	99.3	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4039438-3 02/28/24 13:54

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
Pentane	U		0.0503	0.200
(S) 1,4-Bromofluorobenzene	97.3			60.0-140

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

(LCS) R4039438-1 02/28/24 12:13 • (LCSD) R4039438-2 02/28/24 13:04

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%
Pentane	3.75	2.80	2.81	74.7	74.9	70.0-130			0.357	25
(S) 1,4-Bromofluorobenzene				98.5	98.7	60.0-140				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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.
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
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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





CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

1201

61709573

CTEH Project #032692

Send Report to	ahenault@cteh.com, mreilly@cteh.com

Company	CTEH, LLC

Address	5120 North Shore Drive, North Little Rock, Arkansas 72118

Phone	(501)801-8500

e-mail	labresults@cteh.com

Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

Turnaround Requested: ☐ Normal ☐ Same Day ☒ Next Day

☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:

Dispose after 2X hold time

Retain w/ storage fees after 2X hold time

Lab Contact Information											Method					Matrix A = air B = bulk S = soil SW = wipe T = tape W = water
											T0-15					
Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials							
MTWA0221MC001	028007	022595	02/21/24	1527	02/22/24	1527	-29	-1	MK	✓					A -01	
MTWA0221MC002A	010931	028284	02/21/24	1545	02/21/24	1702	-30	0	MK	✓					A -02	
MTWA0221MC002B	014096	023515	02/21/24	1550	02/22/24	1550	-29	-2	MK	✓					A -03	
MTWA0221MC003	014381	023516	02/21/24	1610	02/22/24	1412	-29	-2	MK	✓					A -04	
MTWA0221MC004	028023	009711	02/21/24	1624	02/22/24	1624	-29	-3	MK	✓					A -05	
								</								

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Madelyn Klinkerman Madelyn Klinkerman	6/26/24 10 15	ge jhu	2/26/24 10 27	
		Gi. J. J. J. 17	2-27-24	

CTEHER Next Days Received at 0"Hg/Need to be Deleted



Sierra D. Sesler

To: Jared Starkey

Cc: MTJL Air



Reply



Reply All



Forward



Tue 2/27/2024 4:22 PM

You replied to this message on 2/27/2024 4:52 PM.
If there are problems with how this message is displayed, [click here to view it in a web browser.](#)

Hi Jared,

These ERs were received at 0"Hg:

L1709570

-03: Client recorded -1"Hg

-04: Client recorded -1"Hg

-05: Client recorded -1"Hg

L1709573

-01: Client recorded -1"Hg

-02: Client recorded 0"Hg

L1709580-02 was received at -24"Hg and will need to be deleted. Thanks.

Sierra Sesler

Scientist Team Lead - Air Lab

12065 Lebanon Road | Mt. Juliet, TN 37122

615.773.9731 | pacelabs.com

CTEHER: L1709573



Brianna Brown

To: Jared Starkey

Cc: MTJL Air



Reply



Reply All



Forward



Wed 2/28/2024 2:26 PM

Start your reply all with:

Yes, please proceed.

Please proceed with the order.

Please proceed, Thank you.

Feedback

Good afternoon,

The samples, 9573-01 and 9573-02, were received with a pressure of 0" Hg. Please let us know how you would like to proceed.

Thanks,

Brianna Brown

Scientist 1

12065 Lebanon Road | Mt. Juliet, TN 37122

CTEH - ER

Sample Delivery Group: L1709580
Samples Received: 02/27/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

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

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SAMPLE SUMMARY

MTWA0222MC001A L1709580-01 Air

				Collected by	Collected date/time	Received date/time
					02/23/24 11:28	02/27/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2235224	1	02/27/24 19:20	02/27/24 19:20	SDS	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

MTWA0222MC002 L1709580-03 Air

				Collected by	Collected date/time	Received date/time
					02/23/24 14:38	02/27/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2235224	1	02/27/24 19:59	02/27/24 19:59	SDS	Mt. Juliet, TN

MTWA0222MC002CL L1709580-04 Air

				Collected by	Collected date/time	Received date/time
					02/23/24 14:35	02/27/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2235224	1	02/27/24 18:42	02/27/24 18:42	SDS	Mt. Juliet, TN

MTWA0222MC003 L1709580-05 Air

				Collected by	Collected date/time	Received date/time
					02/23/24 15:23	02/27/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2235224	1	02/27/24 20:38	02/27/24 20:38	SDS	Mt. Juliet, TN

MTWA0222MC004 L1709580-06 Air

				Collected by	Collected date/time	Received date/time
					02/23/24 16:24	02/27/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2235224	1	02/27/24 21:16	02/27/24 21:16	SDS	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2235224	L1709580-04	Ethanol



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

												1 Cp	
			CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	2 Tc
Client ID	Lab Sample ID	Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3				
MTWA0222MC001A	L1709580-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.77	16.1		1	WG2235224	
MTWA0222MC001A	L1709580-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	13.2	22.2		1	WG2235224	3 Ss
MTWA0222MC001A	L1709580-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.466	1.49		1	WG2235224	
MTWA0222MC001A	L1709580-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.828	1.96		1	WG2235224	4 Cn
MTWA0222MC001A	L1709580-01	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0887	0.559	J	1	WG2235224	5 Ds
MTWA0222MC001A	L1709580-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.757	1.56		1	WG2235224	
MTWA0222MC001A	L1709580-01	trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.0790	0.313	J	1	WG2235224	6 Sr
MTWA0222MC001A	L1709580-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	17.4	32.8		1	WG2235224	7 Qc
MTWA0222MC001A	L1709580-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.251	1.41		1	WG2235224	
MTWA0222MC001A	L1709580-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.451	2.23		1	WG2235224	8 Gl
MTWA0222MC001A	L1709580-01	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0809	0.620	J	1	WG2235224	9 Al
MTWA0222MC001A	L1709580-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.350	1.22		1	WG2235224	
MTWA0222MC001A	L1709580-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.268	0.790	J	1	WG2235224	10 Sc
MTWA0222MC001A	L1709580-01	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.153	0.626	J	1	WG2235224	
MTWA0222MC001A	L1709580-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.413	1.22		1	WG2235224	
MTWA0222MC001A	L1709580-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.14	5.26		1	WG2235224	
MTWA0222MC001A	L1709580-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.13	4.26		1	WG2235224	
MTWA0222MC001A	L1709580-01	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0808	0.397	J	1	WG2235224	
MTWA0222MC001A	L1709580-01	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.194	0.841	J	1	WG2235224	
MTWA0222MC001A	L1709580-01	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.104	0.451	J	1	WG2235224	
MTWA0222MC002	L1709580-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.62	6.23		1	WG2235224	
MTWA0222MC002	L1709580-03	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	42.8	71.9		1	WG2235224	
MTWA0222MC002	L1709580-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.155	0.495	J	1	WG2235224	
MTWA0222MC002	L1709580-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.707	1.68		1	WG2235224	
MTWA0222MC002	L1709580-03	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0989	0.623	J	1	WG2235224	
MTWA0222MC002	L1709580-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.505	1.04		1	WG2235224	
MTWA0222MC002	L1709580-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	22.9	43.2		1	WG2235224	
MTWA0222MC002	L1709580-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.253	1.42		1	WG2235224	
MTWA0222MC002	L1709580-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.453	2.24		1	WG2235224	
MTWA0222MC002	L1709580-03	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0820	0.628	J	1	WG2235224	
MTWA0222MC002	L1709580-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.268	0.931		1	WG2235224	
MTWA0222MC002	L1709580-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.213	0.628	J	1	WG2235224	
MTWA0222MC002	L1709580-03	Naphthalene	91-20-3	128	0.350	0.630	3.30	0.388	2.03	J	1	WG2235224	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch	¹ Cp
MTWA0222MC002	L1709580-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.339	1.00		1	WG2235224	² Tc
MTWA0222MC002	L1709580-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.59	6.37		1	WG2235224	³ Ss
MTWA0222MC002	L1709580-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.413	1.56	J	1	WG2235224	⁴ Cn
MTWA0222MC002	L1709580-03	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.137	0.640	J	1	WG2235224	⁵ Ds
MTWA0222MC002	L1709580-03	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.137	0.594	J	1	WG2235224	⁶ Sr
MTWA0222MC002CL	L1709580-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.03	14.3		1	WG2235224	⁷ Qc
MTWA0222MC002CL	L1709580-04	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	140	235		1	WG2235224	⁸ Gl
MTWA0222MC002CL	L1709580-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.138	0.441	J	1	WG2235224	⁹ Al
MTWA0222MC002CL	L1709580-04	Butane	106-97-8	58	0.0522	0.200	0.474	1.39	3.30		1	WG2235224	¹⁰ Sc
MTWA0222MC002CL	L1709580-04	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0922	0.581	J	1	WG2235224	
MTWA0222MC002CL	L1709580-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.582	1.20		1	WG2235224	
MTWA0222MC002CL	L1709580-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	170	321	E	1	WG2235224	
MTWA0222MC002CL	L1709580-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.250	1.40		1	WG2235224	
MTWA0222MC002CL	L1709580-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.441	2.18		1	WG2235224	
MTWA0222MC002CL	L1709580-04	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0796	0.610	J	1	WG2235224	
MTWA0222MC002CL	L1709580-04	Heptane	142-82-5	100	0.104	0.200	0.818	0.105	0.429	J	1	WG2235224	
MTWA0222MC002CL	L1709580-04	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.246	0.867	J	1	WG2235224	
MTWA0222MC002CL	L1709580-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.881	3.06		1	WG2235224	
MTWA0222MC002CL	L1709580-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.407	1.20	J	1	WG2235224	
MTWA0222MC002CL	L1709580-04	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.119	0.487	J	1	WG2235224	
MTWA0222MC002CL	L1709580-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.47	4.34		1	WG2235224	
MTWA0222MC002CL	L1709580-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	12.9	31.7		1	WG2235224	
MTWA0222MC002CL	L1709580-04	Styrene	100-42-5	104	0.0788	0.200	0.851	0.0933	0.397	J	1	WG2235224	
MTWA0222MC002CL	L1709580-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.57	5.91		1	WG2235224	
MTWA0222MC002CL	L1709580-04	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0784	0.385	J	1	WG2235224	
MTWA0222MC002CL	L1709580-04	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.996	4.65		1	WG2235224	
MTWA0222MC002CL	L1709580-04	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.196	0.850	J	1	WG2235224	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

												1 Cp	
			CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	2 Tc
Client ID	Lab Sample ID	Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3				3 Ss
MTWA0222MC003	L1709580-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.61	11.0		1	WG223522 4	4 Cn
MTWA0222MC003	L1709580-05	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	44.6	74.9		1	WG223522 4	5 Ds
MTWA0222MC003	L1709580-05	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.49	3.23	J	1	WG223522 4	6 Sr
MTWA0222MC003	L1709580-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.157	0.502	J	1	WG223522 4	7 Qc
MTWA0222MC003	L1709580-05	Butane	106-97-8	58	0.0522	0.200	0.474	0.769	1.82		1	WG223522 4	8 Gl
MTWA0222MC003	L1709580-05	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0966	0.608	J	1	WG223522 4	9 Al
MTWA0222MC003	L1709580-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.570	1.18		1	WG223522 4	10 Sc
MTWA0222MC003	L1709580-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	70.7	133		1	WG223522 4	
MTWA0222MC003	L1709580-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.237	1.33		1	WG223522 4	
MTWA0222MC003	L1709580-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.436	2.16		1	WG223522 4	
MTWA0222MC003	L1709580-05	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0807	0.619	J	1	WG223522 4	
MTWA0222MC003	L1709580-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.613	2.13		1	WG223522 4	
MTWA0222MC003	L1709580-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.350	1.03	J	1	WG223522 4	
MTWA0222MC003	L1709580-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.924	2.73		1	WG223522 4	
MTWA0222MC003	L1709580-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	8.39	20.6		1	WG223522 4	
MTWA0222MC003	L1709580-05	Styrene	100-42-5	104	0.0788	0.200	0.851	0.0980	0.417	J	1	WG223522 4	
MTWA0222MC003	L1709580-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.03	3.88		1	WG223522 4	
MTWA0222MC003	L1709580-05	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.655	3.06		1	WG223522 4	
MTWA0222MC003	L1709580-05	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.224	0.971	J	1	WG223522 4	
MTWA0222MC004	L1709580-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.29	5.44		1	WG223522 4	
MTWA0222MC004	L1709580-06	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	6.63	11.1		1	WG223522 4	
MTWA0222MC004	L1709580-06	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.32	2.86	J	1	WG223522 4	
MTWA0222MC004	L1709580-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.167	0.533	J	1	WG223522 4	
MTWA0222MC004	L1709580-06	Butane	106-97-8	58	0.0522	0.200	0.474	0.531	1.26		1	WG223522 4	
MTWA0222MC004	L1709580-06	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0957	0.603	J	1	WG223522 4	
MTWA0222MC004	L1709580-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.478	0.987		1	WG223522 4	
MTWA0222MC004	L1709580-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.2	19.2		1	WG223522 4	
MTWA0222MC004	L1709580-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.230	1.29		1	WG223522 4	
MTWA0222MC004	L1709580-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.454	2.25		1	WG223522 4	
MTWA0222MC004	L1709580-06	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0802	0.615	J	1	WG223522 4	
MTWA0222MC004	L1709580-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.193	0.670	J	1	WG223522 4	
MTWA0222MC004	L1709580-06	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.205	0.605	J	1	WG223522 4	
MTWA0222MC004	L1709580-06	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.213	0.629		1	WG223522 4	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Diluti on	Batch
MTWA0222MC004	L1709580-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.02	2.51	J	1	WG223522 4
MTWA0222MC004	L1709580-06	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.814	3.07		1	WG223522 4
MTWA0222MC004	L1709580-06	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.148	0.642	J	1	WG223522 4
MTWA0222MC004	L1709580-06	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0923	0.400	J	1	WG223522 4

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.77	16.1		1	WG2235224
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	13.2	22.2		1	WG2235224
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2235224
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2235224
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.466	1.49		1	WG2235224
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2235224
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2235224
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2235224
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2235224
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2235224
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2235224
Butane	106-97-8	58	0.0522	0.200	0.474	0.828	1.96		1	WG2235224
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2235224
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0887	0.559	J	1	WG2235224
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2235224
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2235224
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2235224
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.757	1.56		1	WG2235224
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2235224
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2235224
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2235224
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2235224
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2235224
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2235224
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2235224
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2235224
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2235224
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2235224
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2235224
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2235224
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.0790	0.313	J	1	WG2235224
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2235224
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2235224
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2235224
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2235224
Ethanol	64-17-5	46.10	0.265	2.50	4.71	17.4	32.8		1	WG2235224
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2235224
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2235224
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.251	1.41		1	WG2235224
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.451	2.23		1	WG2235224
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0809	0.620	J	1	WG2235224
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2235224
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2235224
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2235224
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2235224
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2235224
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.350	1.22		1	WG2235224
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2235224
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.268	0.790	J	1	WG2235224
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.153	0.626	J	1	WG2235224
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2235224
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2235224
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2235224
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2235224
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.413	1.22		1	WG2235224
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.14	5.26		1	WG2235224

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2235224
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2235224
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2235224
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2235224
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2235224
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.13	4.26		1	WG2235224
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2235224
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2235224
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2235224
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2235224
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0808	0.397	U	1	WG2235224
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2235224
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2235224
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2235224
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2235224
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2235224
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.194	0.841	U	1	WG2235224
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.104	0.451	U	1	WG2235224
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		99.0				WG2235224

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.62	6.23		1	WG2235224
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	42.8	71.9		1	WG2235224
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2235224
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2235224
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.155	0.495	J	1	WG2235224
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2235224
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2235224
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2235224
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2235224
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2235224
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2235224
Butane	106-97-8	58	0.0522	0.200	0.474	0.707	1.68		1	WG2235224
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2235224
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0989	0.623	J	1	WG2235224
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2235224
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2235224
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2235224
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.505	1.04		1	WG2235224
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2235224
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2235224
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2235224
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2235224
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2235224
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2235224
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2235224
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2235224
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2235224
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2235224
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2235224
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2235224
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2235224
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2235224
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2235224
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2235224
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2235224
Ethanol	64-17-5	46.10	0.265	2.50	4.71	22.9	43.2		1	WG2235224
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2235224
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2235224
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.253	1.42		1	WG2235224
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.453	2.24		1	WG2235224
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0820	0.628	J	1	WG2235224
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2235224
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2235224
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2235224
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2235224
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2235224
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.268	0.931		1	WG2235224
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2235224
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.213	0.628	J	1	WG2235224
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2235224
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2235224
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2235224
Naphthalene	91-20-3	128	0.350	0.630	3.30	0.388	2.03	J	1	WG2235224
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2235224
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.339	1.00		1	WG2235224
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.59	6.37		1	WG2235224

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2235224
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2235224
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2235224
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2235224
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2235224
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.413	1.56	U	1	WG2235224
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2235224
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2235224
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2235224
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2235224
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2235224
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2235224
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.137	0.640	U	1	WG2235224
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2235224
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2235224
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2235224
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.137	0.594	U	1	WG2235224
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2235224
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.5				WG2235224



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.03	14.3		1	WG2235224
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	140	235		1	WG2235224
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2235224
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2235224
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.138	0.441	J	1	WG2235224
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2235224
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2235224
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2235224
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2235224
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2235224
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2235224
Butane	106-97-8	58	0.0522	0.200	0.474	1.39	3.30		1	WG2235224
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2235224
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0922	0.581	J	1	WG2235224
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2235224
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2235224
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2235224
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.582	1.20		1	WG2235224
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2235224
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2235224
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2235224
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2235224
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2235224
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2235224
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2235224
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2235224
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2235224
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2235224
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2235224
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2235224
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2235224
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2235224
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2235224
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2235224
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2235224
Ethanol	64-17-5	46.10	0.265	2.50	4.71	170	321	E	1	WG2235224
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2235224
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2235224
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.250	1.40		1	WG2235224
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.441	2.18		1	WG2235224
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0796	0.610	J	1	WG2235224
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2235224
Heptane	142-82-5	100	0.104	0.200	0.818	0.105	0.429	J	1	WG2235224
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2235224
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.246	0.867	J	1	WG2235224
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2235224
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.881	3.06		1	WG2235224
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2235224
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.407	1.20	J	1	WG2235224
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.119	0.487	J	1	WG2235224
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2235224
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2235224
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2235224
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2235224
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.47	4.34		1	WG2235224
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	12.9	31.7		1	WG2235224

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2235224
Styrene	100-42-5	104	0.0788	0.200	0.851	0.0933	0.397	J	1	WG2235224
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2235224
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2235224
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2235224
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.57	5.91		1	WG2235224
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2235224
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2235224
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2235224
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2235224
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0784	0.385	J	1	WG2235224
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2235224
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.996	4.65		1	WG2235224
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2235224
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2235224
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2235224
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.196	0.850	J	1	WG2235224
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2235224
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		99.4				WG2235224

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.61	11.0		1	WG2235224
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	44.6	74.9		1	WG2235224
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.49	3.23	J	1	WG2235224
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2235224
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.157	0.502	J	1	WG2235224
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2235224
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2235224
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2235224
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2235224
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2235224
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2235224
Butane	106-97-8	58	0.0522	0.200	0.474	0.769	1.82		1	WG2235224
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2235224
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0966	0.608	J	1	WG2235224
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2235224
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2235224
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2235224
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.570	1.18		1	WG2235224
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2235224
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2235224
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2235224
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2235224
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2235224
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2235224
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2235224
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2235224
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2235224
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2235224
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2235224
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2235224
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2235224
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2235224
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2235224
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2235224
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2235224
Ethanol	64-17-5	46.10	0.265	2.50	4.71	70.7	133		1	WG2235224
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2235224
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2235224
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.237	1.33		1	WG2235224
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.436	2.16		1	WG2235224
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0807	0.619	J	1	WG2235224
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2235224
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2235224
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2235224
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2235224
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2235224
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.613	2.13		1	WG2235224
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2235224
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.350	1.03	J	1	WG2235224
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2235224
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2235224
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2235224
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2235224
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2235224
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.924	2.73		1	WG2235224
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	8.39	20.6		1	WG2235224

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2235224
Styrene	100-42-5	104	0.0788	0.200	0.851	0.0980	0.417	J	1	WG2235224
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2235224
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2235224
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2235224
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.03	3.88		1	WG2235224
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2235224
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2235224
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2235224
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2235224
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2235224
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2235224
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.655	3.06		1	WG2235224
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2235224
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2235224
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2235224
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.224	0.971	J	1	WG2235224
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2235224
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		99.3				WG2235224

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.29	5.44		1	WG2235224
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	6.63	11.1		1	WG2235224
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.32	2.86	J	1	WG2235224
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2235224
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.167	0.533	J	1	WG2235224
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2235224
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2235224
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2235224
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2235224
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2235224
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2235224
Butane	106-97-8	58	0.0522	0.200	0.474	0.531	1.26		1	WG2235224
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2235224
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0957	0.603	J	1	WG2235224
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2235224
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2235224
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2235224
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.478	0.987		1	WG2235224
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2235224
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2235224
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2235224
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2235224
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2235224
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2235224
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2235224
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2235224
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2235224
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2235224
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2235224
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2235224
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2235224
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2235224
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2235224
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2235224
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2235224
Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.2	19.2		1	WG2235224
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2235224
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2235224
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.230	1.29		1	WG2235224
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.454	2.25		1	WG2235224
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0802	0.615	J	1	WG2235224
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2235224
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2235224
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2235224
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2235224
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2235224
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.193	0.670	J	1	WG2235224
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2235224
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.205	0.605	J	1	WG2235224
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2235224
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2235224
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2235224
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2235224
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2235224
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.213	0.629		1	WG2235224
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.02	2.51	J	1	WG2235224

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2235224
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2235224
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2235224
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2235224
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2235224
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.814	3.07		1	WG2235224
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2235224
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2235224
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2235224
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2235224
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2235224
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2235224
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2235224
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2235224
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2235224
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2235224
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.148	0.642	U	1	WG2235224
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0923	0.400	U	1	WG2235224
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.1				WG2235224

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4039094-3 02/27/24 10:06

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	0.475	U	0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4039094-3 02/27/24 10:06

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	97.8			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4039094-1 02/27/24 08:47 • (LCSD) R4039094-2 02/27/24 09:27

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	3.33	3.33	88.8	88.8	70.0-130			0.000	25
Acetonitrile	18.8	14.4	14.4	76.6	76.6	70.0-130			0.000	25
Acrylonitrile	3.75	3.35	3.38	89.3	90.1	70.0-130			0.892	25
Allyl chloride	3.75	4.03	3.96	107	106	70.0-130			1.75	25
Benzene	3.75	3.93	3.86	105	103	70.0-130			1.80	25
Benzyl Chloride	3.75	4.25	4.41	113	118	70.0-152			3.70	25
Bromodichloromethane	3.75	3.99	4.00	106	107	70.0-130			0.250	25
Bromoform	3.75	3.90	3.95	104	105	70.0-130			1.27	25
Bromomethane	3.75	3.82	3.84	102	102	70.0-130			0.522	25
Bromoethane	3.75	3.94	3.92	105	105	70.0-130			0.509	25
1,3-Butadiene	3.75	3.66	3.67	97.6	97.9	70.0-130			0.273	25
Butane	3.75	3.29	3.36	87.7	89.6	70.0-130			2.11	25
Carbon disulfide	3.75	3.63	3.62	96.8	96.5	70.0-130			0.276	25
Carbon tetrachloride	3.75	4.14	4.09	110	109	70.0-130			1.22	25
Chlorobenzene	3.75	4.17	4.20	111	112	70.0-130			0.717	25
Chloroethane	3.75	3.26	3.05	86.9	81.3	70.0-130			6.66	25
Chloroform	3.75	3.94	3.92	105	105	70.0-130			0.509	25
Chloromethane	3.75	3.33	3.32	88.8	88.5	70.0-130			0.301	25
2-Chlorotoluene	3.75	4.24	4.26	113	114	70.0-130			0.471	25
Cyclohexane	3.75	3.83	3.92	102	105	70.0-130			2.32	25
n-Decane	3.75	3.77	3.82	101	102	70.0-130			1.32	25
Dibromochloromethane	3.75	4.19	4.22	112	113	70.0-130			0.713	25
1,2-Dibromoethane	3.75	4.18	4.19	111	112	70.0-130			0.239	25
1,2-Dichlorobenzene	3.75	4.37	4.48	117	119	70.0-130			2.49	25
1,3-Dichlorobenzene	3.75	4.27	4.44	114	118	70.0-130			3.90	25
1,4-Dichlorobenzene	3.75	4.39	4.47	117	119	70.0-130			1.81	25
1,2-Dichloroethane	3.75	3.83	3.85	102	103	70.0-130			0.521	25
1,1-Dichloroethane	3.75	3.62	3.58	96.5	95.5	70.0-130			1.11	25
1,1-Dichloroethene	3.75	3.67	3.70	97.9	98.7	70.0-130			0.814	25
cis-1,2-Dichloroethene	3.75	3.65	3.71	97.3	98.9	70.0-130			1.63	25
trans-1,2-Dichloroethene	3.75	3.69	3.66	98.4	97.6	70.0-130			0.816	25
1,2-Dichloropropane	3.75	3.65	3.63	97.3	96.8	70.0-130			0.549	25
cis-1,3-Dichloropropene	3.75	3.88	3.89	103	104	70.0-130			0.257	25
trans-1,3-Dichloropropene	3.75	3.85	3.92	103	105	70.0-130			1.80	25
1,4-Dioxane	3.75	3.88	3.88	103	103	70.0-140			0.000	25
Ethanol	3.75	3.22	3.22	85.9	85.9	55.0-148			0.000	25
Ethylbenzene	3.75	4.05	4.16	108	111	70.0-130			2.68	25
4-Ethyltoluene	3.75	4.25	4.35	113	116	70.0-130			2.33	25
Trichlorofluoromethane	3.75	4.00	4.05	107	108	70.0-130			1.24	25
Dichlorodifluoromethane	3.75	3.52	3.38	93.9	90.1	64.0-139			4.06	25

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4039094-1 02/27/24 08:47 • (LCSD) R4039094-2 02/27/24 09:27

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.99	3.97	106	106	70.0-130			0.503	25
1,2-Dichlorotetrafluoroethane	3.75	3.89	3.97	104	106	70.0-130			2.04	25
Heptane	3.75	3.64	3.67	97.1	97.9	70.0-130			0.821	25
Hexachloro-1,3-butadiene	3.75	4.69	4.83	125	129	70.0-151			2.94	25
n-Hexane	3.75	3.48	3.51	92.8	93.6	70.0-130			0.858	25
Isopropylbenzene	3.75	4.28	4.21	114	112	70.0-130			1.65	25
Methylene Chloride	3.75	3.32	3.37	88.5	89.9	70.0-130			1.49	25
Methyl Butyl Ketone	3.75	3.90	3.80	104	101	70.0-149			2.60	25
2-Butanone (MEK)	3.75	3.68	3.62	98.1	96.5	70.0-130			1.64	25
4-Methyl-2-pentanone (MIBK)	3.75	3.56	3.64	94.9	97.1	70.0-139			2.22	25
Methyl methacrylate	3.75	3.79	3.73	101	99.5	70.0-130			1.60	25
MTBE	3.75	3.87	3.85	103	103	70.0-130			0.518	25
Naphthalene	3.75	4.59	4.71	122	126	70.0-159			2.58	25
Nonane	3.75	3.65	3.68	97.3	98.1	70.0-130			0.819	25
Pentane	3.75	3.22	3.34	85.9	89.1	70.0-130			3.66	25
2-Propanol	3.75	3.24	3.30	86.4	88.0	70.0-139			1.83	25
Propene	3.75	3.29	3.45	87.7	92.0	64.0-144			4.75	25
Styrene	3.75	4.15	4.27	111	114	70.0-130			2.85	25
1,1,2,2-Tetrachloroethane	3.75	3.99	3.99	106	106	70.0-130			0.000	25
Tetrachloroethylene	3.75	4.38	4.41	117	118	70.0-130			0.683	25
Tetrahydrofuran	3.75	3.30	3.40	88.0	90.7	70.0-137			2.99	25
Toluene	3.75	4.05	4.07	108	109	70.0-130			0.493	25
1,2,4-Trichlorobenzene	3.75	4.65	4.75	124	127	70.0-160			2.13	25
1,1,1-Trichloroethane	3.75	4.00	4.01	107	107	70.0-130			0.250	25
1,1,2-Trichloroethane	3.75	4.13	4.12	110	110	70.0-130			0.242	25
Trichloroethylene	3.75	4.03	4.09	107	109	70.0-130			1.48	25
1,2,4-Trimethylbenzene	3.75	4.36	4.52	116	121	70.0-130			3.60	25
1,3,5-Trimethylbenzene	3.75	4.33	4.45	115	119	70.0-130			2.73	25
2,2,4-Trimethylpentane	3.75	3.66	3.63	97.6	96.8	70.0-130			0.823	25
Vinyl chloride	3.75	3.46	3.41	92.3	90.9	70.0-130			1.46	25
Vinyl Bromide	3.75	3.85	3.86	103	103	70.0-130			0.259	25
Vinyl acetate	3.75	3.72	3.77	99.2	101	70.0-130			1.34	25
m&p-Xylene	7.50	8.48	8.60	113	115	70.0-130			1.41	25
o-Xylene	3.75	4.17	4.21	111	112	70.0-130			0.955	25
(S) 1,4-Bromofluorobenzene				98.4	98.6	60.0-140				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



61709580

Send Report to	ahenault@cteh.com , mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☐ Same Day ☒ Next Day
☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒
Retain w/ storage fees after 2X hold time ☐

Lab Contact Information											Method				Matrix A = air B = bulk S = soil SW = wipe T = tape W = water
											T0-15				
Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials						
MTWA0222MC001A	013025	013026	02/22/24	1528	02/23/24	1128	-28	-3	MK	✓				A -01	
MTWA0222MC001B	029388	015699	02/23/24	1132	02/23/24	1528	-29	-25	MK					A -02	
MTWA0222MC002	013039	009516	02/22/24	1552	02/23/24	1438	-29	-3	MK	✓				A -03	
MTWA0222MC002CL	008270	029256	02/22/24	1554	02/23/24	1435	-29	-1	MK	✓				A -04	
MTWA0222MC003	013891	028273	02/22/24	1612	02/23/24	1523	-29	-1	MK	✓				A -05	
MTWA0222MC004	029240	023564	02/22/24	1624	02/23/24	1624	-29	-2	MK	✓				A -06	

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Madelyn Klinkerman <i>Madelyn Klink</i>	02/26/24 10 15	<i>John</i>	2/26/24 1036	
		<i>G. [Signature]</i> 17	2-27-24	

CTEHER Next Days Received at 0"Hg/Need to be Deleted



Sierra D. Sesler

To: Jared Starkey

Cc: MTJL Air



Reply



Reply All



Forward



Tue 2/27/2024 4:22 PM

You replied to this message on 2/27/2024 4:52 PM.
If there are problems with how this message is displayed, [click here to view it in a web browser.](#)

Hi Jared,

These ERs were received at 0"Hg:

L1709570

-03: Client recorded -1"Hg

-04: Client recorded -1"Hg

-05: Client recorded -1"Hg

L1709573

-01: Client recorded -1"Hg

-02: Client recorded 0"Hg

L1709580-02 was received at -24"Hg and will need to be deleted. Thanks.

Sierra Sesler

Scientist Team Lead - Air Lab

12065 Lebanon Road | Mt. Juliet, TN 37122

615.773.9731 | pacelabs.com

CTEH - ER

Sample Delivery Group: L1709853

Samples Received: 02/28/2024

Project Number: 032692

Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

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

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MTWA0224MC002 L1709853-02	9	⁵ Ds
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SAMPLE SUMMARY

MTWA0224MC001 L1709853-01 Air

				Collected by MK	Collected date/time 02/25/24 15:29	Received date/time 02/28/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2236031	1	02/28/24 15:17	02/28/24 15:17	SDS	Mt. Juliet, TN

MTWA0224MC002 L1709853-02 Air

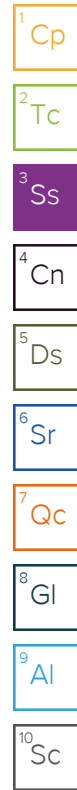
				Collected by MK	Collected date/time 02/25/24 15:22	Received date/time 02/28/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2236031	1	02/28/24 15:56	02/28/24 15:56	SDS	Mt. Juliet, TN

MTWA0224MC003 L1709853-03 Air

				Collected by MK	Collected date/time 02/25/24 14:12	Received date/time 02/28/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2236031	1	02/28/24 16:35	02/28/24 16:35	SDS	Mt. Juliet, TN

MTWA0224MC004 L1709853-04 Air

				Collected by MK	Collected date/time 02/25/24 16:25	Received date/time 02/28/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2236031	1	02/28/24 17:15	02/28/24 17:15	SDS	Mt. Juliet, TN



CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2236031	Acetonitrile	L1709853-01, 02, 03



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch	
					ppbv	ppbv	ug/m3	ppbv	ug/m3				¹ Cp
MTWA0224MC001	L1709853-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.50	5.94		1	WG2236031	² Tc
MTWA0224MC001	L1709853-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	5.28	8.86	B	1	WG2236031	
MTWA0224MC001	L1709853-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.196	0.626	J	1	WG2236031	³ Ss
MTWA0224MC001	L1709853-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.426	1.01		1	WG2236031	
MTWA0224MC001	L1709853-01	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0910	0.573	J	1	WG2236031	⁴ Cn
MTWA0224MC001	L1709853-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.562	1.16		1	WG2236031	
MTWA0224MC001	L1709853-01	trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.189	0.749	J	1	WG2236031	⁵ Ds
MTWA0224MC001	L1709853-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.91	11.1		1	WG2236031	
MTWA0224MC001	L1709853-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.244	1.37		1	WG2236031	
MTWA0224MC001	L1709853-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.474	2.34		1	WG2236031	⁶ Sr
MTWA0224MC001	L1709853-01	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0845	0.648	J	1	WG2236031	
MTWA0224MC001	L1709853-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.331	1.15		1	WG2236031	⁷ Qc
MTWA0224MC001	L1709853-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.277	0.817	J	1	WG2236031	
MTWA0224MC001	L1709853-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.278	0.820		1	WG2236031	⁸ Gl
MTWA0224MC001	L1709853-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.547	1.34	J	1	WG2236031	
MTWA0224MC001	L1709853-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.461	1.74	J	1	WG2236031	⁹ Al
MTWA0224MC001	L1709853-01	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.186	0.806	J	1	WG2236031	
MTWA0224MC001	L1709853-01	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0956	0.414	J	1	WG2236031	¹⁰ Sc
MTWA0224MC002	L1709853-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.64	8.65		1	WG2236031	
MTWA0224MC002	L1709853-02	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	7.10	11.9	B	1	WG2236031	
MTWA0224MC002	L1709853-02	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.45	3.14	J	1	WG2236031	
MTWA0224MC002	L1709853-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.188	0.601	J	1	WG2236031	
MTWA0224MC002	L1709853-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.436	1.03		1	WG2236031	
MTWA0224MC002	L1709853-02	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.106	0.668	J	1	WG2236031	
MTWA0224MC002	L1709853-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.580	1.20		1	WG2236031	
MTWA0224MC002	L1709853-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	11.2	21.1		1	WG2236031	
MTWA0224MC002	L1709853-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.249	1.40		1	WG2236031	
MTWA0224MC002	L1709853-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.448	2.22		1	WG2236031	
MTWA0224MC002	L1709853-02	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0836	0.641	J	1	WG2236031	
MTWA0224MC002	L1709853-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.293	1.02		1	WG2236031	
MTWA0224MC002	L1709853-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.329	0.970	J	1	WG2236031	
MTWA0224MC002	L1709853-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.207	0.611		1	WG2236031	
MTWA0224MC002	L1709853-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.55	3.81		1	WG2236031	
MTWA0224MC002	L1709853-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.749	2.82		1	WG2236031	
MTWA0224MC003	L1709853-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.89	16.4		1	WG2236031	
MTWA0224MC003	L1709853-03	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	7.31	12.3	B	1	WG2236031	
MTWA0224MC003	L1709853-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.275	0.878		1	WG2236031	
MTWA0224MC003	L1709853-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.416	0.987		1	WG2236031	
MTWA0224MC003	L1709853-03	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.101	0.636	J	1	WG2236031	
MTWA0224MC003	L1709853-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.625	1.29		1	WG2236031	
MTWA0224MC003	L1709853-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	13.7	25.8		1	WG2236031	
MTWA0224MC003	L1709853-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.247	1.39		1	WG2236031	
MTWA0224MC003	L1709853-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.441	2.18		1	WG2236031	
MTWA0224MC003	L1709853-03	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0856	0.656	J	1	WG2236031	
MTWA0224MC003	L1709853-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.306	1.06		1	WG2236031	
MTWA0224MC003	L1709853-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.470	1.39	J	1	WG2236031	
MTWA0224MC003	L1709853-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.231	0.682		1	WG2236031	
MTWA0224MC003	L1709853-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.644	1.58	J	1	WG2236031	
MTWA0224MC003	L1709853-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.15	4.33		1	WG2236031	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp
					ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc
MTWA0224MC004	L1709853-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.13	5.06		1	WG2236031	3 Ss
MTWA0224MC004	L1709853-04	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	20.4	34.3		1	WG2236031	4 Cn
MTWA0224MC004	L1709853-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.181	0.578	J	1	WG2236031	5 Ds
MTWA0224MC004	L1709853-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.456	1.08		1	WG2236031	6 Sr
MTWA0224MC004	L1709853-04	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.102	0.642	J	1	WG2236031	7 Qc
MTWA0224MC004	L1709853-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.539	1.11		1	WG2236031	8 Gl
MTWA0224MC004	L1709853-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.53	16.1		1	WG2236031	9 Al
MTWA0224MC004	L1709853-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.235	1.32		1	WG2236031	10 Sc
MTWA0224MC004	L1709853-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.413	2.04		1	WG2236031	
MTWA0224MC004	L1709853-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.477	1.66		1	WG2236031	
MTWA0224MC004	L1709853-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.173	0.511	J	1	WG2236031	
MTWA0224MC004	L1709853-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.34	3.29		1	WG2236031	
MTWA0224MC004	L1709853-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.251	0.945	J	1	WG2236031	

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.50	5.94		1	WG2236031
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	5.28	8.86	B	1	WG2236031
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2236031
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2236031
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.196	0.626	J	1	WG2236031
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2236031
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2236031
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2236031
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2236031
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2236031
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2236031
Butane	106-97-8	58	0.0522	0.200	0.474	0.426	1.01		1	WG2236031
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2236031
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0910	0.573	J	1	WG2236031
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2236031
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2236031
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2236031
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.562	1.16		1	WG2236031
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2236031
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2236031
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2236031
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2236031
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2236031
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2236031
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2236031
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2236031
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2236031
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2236031
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2236031
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2236031
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.189	0.749	J	1	WG2236031
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2236031
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2236031
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2236031
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2236031
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.91	11.1		1	WG2236031
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2236031
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2236031
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.244	1.37		1	WG2236031
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.474	2.34		1	WG2236031
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0845	0.648	J	1	WG2236031
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2236031
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2236031
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2236031
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2236031
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2236031
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.331	1.15		1	WG2236031
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2236031
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.277	0.817	J	1	WG2236031
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2236031
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2236031
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2236031
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2236031
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2236031
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.278	0.820		1	WG2236031
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.547	1.34	J	1	WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2236031
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2236031
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2236031
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2236031
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2236031
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.461	1.74	U	1	WG2236031
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2236031
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2236031
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2236031
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2236031
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2236031
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2236031
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2236031
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2236031
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2236031
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2236031
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.186	0.806	U	1	WG2236031
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0956	0.414	U	1	WG2236031
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.6				WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.64	8.65		1	WG2236031
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	7.10	11.9	B	1	WG2236031
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.45	3.14	J	1	WG2236031
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2236031
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.188	0.601	J	1	WG2236031
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2236031
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2236031
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2236031
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2236031
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2236031
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2236031
Butane	106-97-8	58	0.0522	0.200	0.474	0.436	1.03		1	WG2236031
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2236031
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.106	0.668	J	1	WG2236031
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2236031
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2236031
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2236031
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.580	1.20		1	WG2236031
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2236031
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2236031
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2236031
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2236031
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2236031
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2236031
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2236031
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2236031
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2236031
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2236031
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2236031
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2236031
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2236031
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2236031
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2236031
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2236031
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2236031
Ethanol	64-17-5	46.10	0.265	2.50	4.71	11.2	21.1		1	WG2236031
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2236031
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2236031
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.249	1.40		1	WG2236031
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.448	2.22		1	WG2236031
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0836	0.641	J	1	WG2236031
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2236031
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2236031
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2236031
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2236031
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2236031
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.293	1.02		1	WG2236031
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2236031
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.329	0.970	J	1	WG2236031
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2236031
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2236031
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2236031
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2236031
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2236031
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.207	0.611		1	WG2236031
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.55	3.81		1	WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2236031
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2236031
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2236031
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2236031
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2236031
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.749	2.82		1	WG2236031
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2236031
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2236031
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2236031
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2236031
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2236031
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2236031
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2236031
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2236031
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2236031
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2236031
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2236031
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2236031
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		100				WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.89	16.4		1	WG2236031
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	7.31	12.3	B	1	WG2236031
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2236031
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2236031
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.275	0.878		1	WG2236031
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2236031
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2236031
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2236031
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2236031
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2236031
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2236031
Butane	106-97-8	58	0.0522	0.200	0.474	0.416	0.987		1	WG2236031
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2236031
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.101	0.636	J	1	WG2236031
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2236031
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2236031
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2236031
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.625	1.29		1	WG2236031
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2236031
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2236031
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2236031
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2236031
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2236031
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2236031
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2236031
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2236031
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2236031
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2236031
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2236031
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2236031
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2236031
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2236031
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2236031
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2236031
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2236031
Ethanol	64-17-5	46.10	0.265	2.50	4.71	13.7	25.8		1	WG2236031
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2236031
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2236031
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.247	1.39		1	WG2236031
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.441	2.18		1	WG2236031
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0856	0.656	J	1	WG2236031
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2236031
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2236031
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2236031
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2236031
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2236031
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.306	1.06		1	WG2236031
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2236031
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.470	1.39	J	1	WG2236031
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2236031
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2236031
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2236031
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2236031
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2236031
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.231	0.682		1	WG2236031
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.644	1.58	J	1	WG2236031

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2236031
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2236031
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2236031
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2236031
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2236031
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.15	4.33		1	WG2236031
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2236031
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2236031
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2236031
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2236031
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2236031
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2236031
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2236031
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2236031
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2236031
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2236031
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2236031
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2236031
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		94.8				WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.13	5.06		1	WG2236031
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	20.4	34.3		1	WG2236031
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2236031
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2236031
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.181	0.578	J	1	WG2236031
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2236031
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2236031
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2236031
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2236031
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2236031
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2236031
Butane	106-97-8	58	0.0522	0.200	0.474	0.456	1.08		1	WG2236031
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2236031
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.102	0.642	J	1	WG2236031
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2236031
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2236031
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2236031
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.539	1.11		1	WG2236031
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2236031
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2236031
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2236031
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2236031
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2236031
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2236031
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2236031
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2236031
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2236031
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2236031
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2236031
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2236031
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2236031
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2236031
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2236031
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2236031
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2236031
Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.53	16.1		1	WG2236031
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2236031
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2236031
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.235	1.32		1	WG2236031
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.413	2.04		1	WG2236031
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2236031
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2236031
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2236031
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2236031
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2236031
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2236031
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.477	1.66		1	WG2236031
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2236031
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2236031
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2236031
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2236031
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2236031
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2236031
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2236031
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.173	0.511	J	1	WG2236031
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.34	3.29		1	WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2236031
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2236031
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2236031
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2236031
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2236031
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.251	0.945	J	1	WG2236031
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2236031
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2236031
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2236031
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2236031
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2236031
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2236031
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2236031
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2236031
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2236031
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2236031
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2236031
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2236031
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.7				WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4039624-3 02/28/24 10:41

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	1.06	U	0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4039624-3 02/28/24 10:41

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	0.0592	U	0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	97.1			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4039624-1 02/28/24 09:23 • (LCSD) R4039624-2 02/28/24 10:03

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	3.41	3.40	90.9	90.7	70.0-130			0.294	25
Acetonitrile	18.8	15.0	15.1	79.8	80.3	70.0-130			0.664	25
Acrylonitrile	3.75	3.41	3.44	90.9	91.7	70.0-130			0.876	25
Allyl chloride	3.75	3.95	3.92	105	105	70.0-130			0.762	25
Benzene	3.75	3.95	3.99	105	106	70.0-130			1.01	25
Benzyl Chloride	3.75	4.53	4.48	121	119	70.0-152			1.11	25
Bromodichloromethane	3.75	4.08	4.09	109	109	70.0-130			0.245	25
Bromoform	3.75	3.99	4.03	106	107	70.0-130			0.998	25
Bromomethane	3.75	4.00	3.93	107	105	70.0-130			1.77	25
Bromoethane	3.75	4.06	4.02	108	107	70.0-130			0.990	25
1,3-Butadiene	3.75	3.70	3.66	98.7	97.6	70.0-130			1.09	25
Butane	3.75	3.42	3.30	91.2	88.0	70.0-130			3.57	25
Carbon disulfide	3.75	3.73	3.71	99.5	98.9	70.0-130			0.538	25
Carbon tetrachloride	3.75	4.33	4.29	115	114	70.0-130			0.928	25
Chlorobenzene	3.75	4.43	4.37	118	117	70.0-130			1.36	25
Chloroethane	3.75	3.60	3.21	96.0	85.6	70.0-130			11.5	25
Chloroform	3.75	4.02	4.04	107	108	70.0-130			0.496	25
Chloromethane	3.75	3.18	3.26	84.8	86.9	70.0-130			2.48	25
2-Chlorotoluene	3.75	4.36	4.35	116	116	70.0-130			0.230	25
Cyclohexane	3.75	4.07	3.99	109	106	70.0-130			1.99	25
n-Decane	3.75	3.94	3.90	105	104	70.0-130			1.02	25
Dibromochloromethane	3.75	4.43	4.35	118	116	70.0-130			1.82	25
1,2-Dibromoethane	3.75	4.31	4.31	115	115	70.0-130			0.000	25
1,2-Dichlorobenzene	3.75	4.65	4.57	124	122	70.0-130			1.74	25
1,3-Dichlorobenzene	3.75	4.61	4.49	123	120	70.0-130			2.64	25
1,4-Dichlorobenzene	3.75	4.67	4.58	125	122	70.0-130			1.95	25
1,2-Dichloroethane	3.75	3.98	3.97	106	106	70.0-130			0.252	25
1,1-Dichloroethane	3.75	3.79	3.71	101	98.9	70.0-130			2.13	25
1,1-Dichloroethene	3.75	3.83	3.77	102	101	70.0-130			1.58	25
cis-1,2-Dichloroethene	3.75	3.75	3.70	100	98.7	70.0-130			1.34	25
trans-1,2-Dichloroethene	3.75	3.76	3.82	100	102	70.0-130			1.58	25
1,2-Dichloropropane	3.75	3.62	3.68	96.5	98.1	70.0-130			1.64	25
cis-1,3-Dichloropropene	3.75	3.99	3.93	106	105	70.0-130			1.52	25
trans-1,3-Dichloropropene	3.75	4.05	3.98	108	106	70.0-130			1.74	25
1,4-Dioxane	3.75	3.91	3.92	104	105	70.0-140			0.255	25
Ethanol	3.75	3.36	3.40	89.6	90.7	55.0-148			1.18	25
Ethylbenzene	3.75	4.24	4.29	113	114	70.0-130			1.17	25
4-Ethyltoluene	3.75	4.53	4.46	121	119	70.0-130			1.56	25
Trichlorofluoromethane	3.75	4.18	4.17	111	111	70.0-130			0.240	25
Dichlorodifluoromethane	3.75	3.53	3.49	94.1	93.1	64.0-139			1.14	25

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4039624-1 02/28/24 09:23 • (LCSD) R4039624-2 02/28/24 10:03

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.17	4.06	111	108	70.0-130			2.67	25
1,2-Dichlorotetrafluoroethane	3.75	3.93	3.93	105	105	70.0-130			0.000	25
Heptane	3.75	3.76	3.72	100	99.2	70.0-130			1.07	25
Hexachloro-1,3-butadiene	3.75	5.00	4.96	133	132	70.0-151			0.803	25
n-Hexane	3.75	3.57	3.58	95.2	95.5	70.0-130			0.280	25
Isopropylbenzene	3.75	4.30	4.36	115	116	70.0-130			1.39	25
Methylene Chloride	3.75	3.43	3.40	91.5	90.7	70.0-130			0.878	25
Methyl Butyl Ketone	3.75	4.00	3.81	107	102	70.0-149			4.87	25
2-Butanone (MEK)	3.75	3.74	3.74	99.7	99.7	70.0-130			0.000	25
4-Methyl-2-pentanone (MIBK)	3.75	3.75	3.70	100	98.7	70.0-139			1.34	25
Methyl methacrylate	3.75	3.80	3.73	101	99.5	70.0-130			1.86	25
MTBE	3.75	4.03	3.98	107	106	70.0-130			1.25	25
Naphthalene	3.75	4.87	4.83	130	129	70.0-159			0.825	25
Nonane	3.75	3.80	3.80	101	101	70.0-130			0.000	25
Pentane	3.75	3.28	3.28	87.5	87.5	70.0-130			0.000	25
2-Propanol	3.75	3.39	3.50	90.4	93.3	70.0-139			3.19	25
Propene	3.75	3.23	3.45	86.1	92.0	64.0-144			6.59	25
Styrene	3.75	4.27	4.32	114	115	70.0-130			1.16	25
1,1,2,2-Tetrachloroethane	3.75	4.09	4.15	109	111	70.0-130			1.46	25
Tetrachloroethylene	3.75	4.65	4.59	124	122	70.0-130			1.30	25
Tetrahydrofuran	3.75	3.48	3.45	92.8	92.0	70.0-137			0.866	25
Toluene	3.75	4.21	4.15	112	111	70.0-130			1.44	25
1,2,4-Trichlorobenzene	3.75	4.99	4.91	133	131	70.0-160			1.62	25
1,1,1-Trichloroethane	3.75	4.20	4.12	112	110	70.0-130			1.92	25
1,1,2-Trichloroethane	3.75	4.23	4.25	113	113	70.0-130			0.472	25
Trichloroethylene	3.75	4.27	4.21	114	112	70.0-130			1.42	25
1,2,4-Trimethylbenzene	3.75	4.74	4.65	126	124	70.0-130			1.92	25
1,3,5-Trimethylbenzene	3.75	4.66	4.55	124	121	70.0-130			2.39	25
2,2,4-Trimethylpentane	3.75	3.76	3.74	100	99.7	70.0-130			0.533	25
Vinyl chloride	3.75	3.41	3.43	90.9	91.5	70.0-130			0.585	25
Vinyl Bromide	3.75	4.08	4.06	109	108	70.0-130			0.491	25
Vinyl acetate	3.75	4.06	3.93	108	105	70.0-130			3.25	25
m&p-Xylene	7.50	8.71	8.84	116	118	70.0-130			1.48	25
o-Xylene	3.75	4.23	4.41	113	118	70.0-130			4.17	25
(S) 1,4-Bromofluorobenzene				97.9	99.5	60.0-140				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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.
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
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



CTEH - ER

Sample Delivery Group: L1709854
Samples Received: 02/28/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

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

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0225MC001 L1709854-01 Air

				Collected by MK	Collected date/time 02/26/24 15:30	Received date/time 02/28/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2236031	1	02/28/24 17:54	02/28/24 17:54	SDS	Mt. Juliet, TN

MTWA0225MC002 L1709854-02 Air

				Collected by MK	Collected date/time 02/26/24 15:52	Received date/time 02/28/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2236031	1	02/28/24 18:33	02/28/24 18:33	SDS	Mt. Juliet, TN

MTWA0225MC003 L1709854-03 Air

				Collected by MK	Collected date/time 02/26/24 16:15	Received date/time 02/28/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2236031	1	02/28/24 19:11	02/28/24 19:11	SDS	Mt. Juliet, TN

MTWA0225MC003CL L1709854-04 Air

				Collected by MK	Collected date/time 02/26/24 16:15	Received date/time 02/28/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2236031	1	02/28/24 19:50	02/28/24 19:50	SDS	Mt. Juliet, TN

MTWA0225MC004 L1709854-05 Air

				Collected by MK	Collected date/time 02/26/24 16:30	Received date/time 02/28/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2236031	1	02/28/24 20:29	02/28/24 20:29	SDS	Mt. Juliet, TN



CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2236031	L1709854-03	Ethanol

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2236031	Acetonitrile	L1709854-01, 02, 05



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp	
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc	
MTWA0225MC001	L1709854-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.29	5.44		1	WG2236031	3 Ss
MTWA0225MC001	L1709854-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	5.01	8.41	B	1	WG2236031	4 Cn
MTWA0225MC001	L1709854-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.176	0.562	J	1	WG2236031	5 Ds
MTWA0225MC001	L1709854-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.625	1.48		1	WG2236031	6 Sr
MTWA0225MC001	L1709854-01	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.155	0.482	J	1	WG2236031	7 Qc
MTWA0225MC001	L1709854-01	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0996	0.627	J	1	WG2236031	8 Gl
MTWA0225MC001	L1709854-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.559	1.15		1	WG2236031	9 Al
MTWA0225MC001	L1709854-01	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.196	0.675	J	1	WG2236031	10 Sc
MTWA0225MC001	L1709854-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.52	14.2		1	WG2236031	
MTWA0225MC001	L1709854-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.241	1.35		1	WG2236031	
MTWA0225MC001	L1709854-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.436	2.16		1	WG2236031	
MTWA0225MC001	L1709854-01	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0851	0.652	J	1	WG2236031	
MTWA0225MC001	L1709854-01	Heptane	142-82-5	100	0.104	0.200	0.818	0.141	0.577	J	1	WG2236031	
MTWA0225MC001	L1709854-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.226	0.785		1	WG2236031	
MTWA0225MC001	L1709854-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.289	0.852	J	1	WG2236031	
MTWA0225MC001	L1709854-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.459	1.35		1	WG2236031	
MTWA0225MC001	L1709854-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.688	1.69	J	1	WG2236031	
MTWA0225MC001	L1709854-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.968	3.65		1	WG2236031	
MTWA0225MC001	L1709854-01	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0796	0.391	J	1	WG2236031	
MTWA0225MC001	L1709854-01	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.306	1.33	J	1	WG2236031	
MTWA0225MC001	L1709854-01	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.155	0.672	J	1	WG2236031	
MTWA0225MC002	L1709854-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.07	9.67		1	WG2236031	
MTWA0225MC002	L1709854-02	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	8.66	14.5	B	1	WG2236031	
MTWA0225MC002	L1709854-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.168	0.537	J	1	WG2236031	
MTWA0225MC002	L1709854-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.434	1.03		1	WG2236031	
MTWA0225MC002	L1709854-02	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0959	0.604	J	1	WG2236031	
MTWA0225MC002	L1709854-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.543	1.12		1	WG2236031	
MTWA0225MC002	L1709854-02	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.0991	0.341	J	1	WG2236031	
MTWA0225MC002	L1709854-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.34	10.1		1	WG2236031	
MTWA0225MC002	L1709854-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.244	1.37		1	WG2236031	
MTWA0225MC002	L1709854-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.416	2.06		1	WG2236031	
MTWA0225MC002	L1709854-02	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0820	0.628	J	1	WG2236031	
MTWA0225MC002	L1709854-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.370	1.28		1	WG2236031	
MTWA0225MC002	L1709854-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.212	0.625	J	1	WG2236031	
MTWA0225MC002	L1709854-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.207	0.611		1	WG2236031	
MTWA0225MC002	L1709854-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.739	1.82	J	1	WG2236031	
MTWA0225MC002	L1709854-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.365	1.37	J	1	WG2236031	
MTWA0225MC002	L1709854-02	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.186	0.806	J	1	WG2236031	
MTWA0225MC002	L1709854-02	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0935	0.405	J	1	WG2236031	
MTWA0225MC003	L1709854-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.72	8.84		1	WG2236031	
MTWA0225MC003	L1709854-03	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	130	218		1	WG2236031	
MTWA0225MC003	L1709854-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.156	0.498	J	1	WG2236031	
MTWA0225MC003	L1709854-03	Butane	106-97-8	58	0.0522	0.200	0.474	1.00	2.37		1	WG2236031	
MTWA0225MC003	L1709854-03	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.101	0.636	J	1	WG2236031	
MTWA0225MC003	L1709854-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.539	1.11		1	WG2236031	
MTWA0225MC003	L1709854-03	n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.0931	0.542	J	1	WG2236031	
MTWA0225MC003	L1709854-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	108	204	EF	1	WG2236031	
MTWA0225MC003	L1709854-03	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.0918	0.398	J	1	WG2236031	
MTWA0225MC003	L1709854-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.240	1.35		1	WG2236031	
MTWA0225MC003	L1709854-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.435	2.15		1	WG2236031	
MTWA0225MC003	L1709854-03	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0817	0.626	J	1	WG2236031	
MTWA0225MC003	L1709854-03	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	2.09	7.37		1	WG2236031	
MTWA0225MC003	L1709854-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	3.05	10.6		1	WG2236031	
MTWA0225MC003	L1709854-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.238	0.702	J	1	WG2236031	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

			CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp
Client ID	Lab Sample ID	Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc
MTWA0225MC003	L1709854-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.16	3.42		1	WG2236031	3 Ss
MTWA0225MC003	L1709854-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	10.2	25.1		1	WG2236031	4 Cn
MTWA0225MC003	L1709854-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.966	3.64	J	1	WG2236031	5 Ds
MTWA0225MC003	L1709854-03	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0814	0.400		1	WG2236031	6 Sr
MTWA0225MC003	L1709854-03	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.478	2.23		1	WG2236031	7 Qc
MTWA0225MC003	L1709854-03	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.325	1.41	J	1	WG2236031	8 Gl
MTWA0225MC003	L1709854-03	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.160	0.694		1	WG2236031	9 Al
MTWA0225MC003CL	L1709854-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.20	5.23		1	WG2236031	10 Sc
MTWA0225MC003CL	L1709854-04	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	11.2	18.8		1	WG2236031	
MTWA0225MC003CL	L1709854-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.203	0.648		1	WG2236031	
MTWA0225MC003CL	L1709854-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.505	1.20		1	WG2236031	
MTWA0225MC003CL	L1709854-04	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0862	0.543	J	1	WG2236031	
MTWA0225MC003CL	L1709854-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.582	1.20		1	WG2236031	
MTWA0225MC003CL	L1709854-04	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.207	0.713		1	WG2236031	
MTWA0225MC003CL	L1709854-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.72	14.6		1	WG2236031	
MTWA0225MC003CL	L1709854-04	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.115	0.499	J	1	WG2236031	
MTWA0225MC003CL	L1709854-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.241	1.35		1	WG2236031	
MTWA0225MC003CL	L1709854-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.448	2.22		1	WG2236031	
MTWA0225MC003CL	L1709854-04	1,1,2-Trichlorotrifluoroetha ne	76-13-1	187.40	0.0793	0.200	1.53	0.0856	0.656	J	1	WG2236031	
MTWA0225MC003CL	L1709854-04	Heptane	142-82-5	100	0.104	0.200	0.818	0.158	0.646		1	WG2236031	
MTWA0225MC003CL	L1709854-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.352	1.22		1	WG2236031	
MTWA0225MC003CL	L1709854-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.184	0.543	J	1	WG2236031	
MTWA0225MC003CL	L1709854-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.290	0.856		1	WG2236031	
MTWA0225MC003CL	L1709854-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.788	1.94	J	1	WG2236031	
MTWA0225MC003CL	L1709854-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.13	4.26		1	WG2236031	
MTWA0225MC003CL	L1709854-04	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.151	0.741	J	1	WG2236031	
MTWA0225MC003CL	L1709854-04	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.492	2.13		1	WG2236031	
MTWA0225MC003CL	L1709854-04	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.217	0.941		1	WG2236031	
MTWA0225MC004	L1709854-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.21	5.25	B J	1	WG2236031	
MTWA0225MC004	L1709854-05	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	4.62	7.76		1	WG2236031	
MTWA0225MC004	L1709854-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.203	0.648		1	WG2236031	
MTWA0225MC004	L1709854-05	Butane	106-97-8	58	0.0522	0.200	0.474	0.492	1.17		1	WG2236031	
MTWA0225MC004	L1709854-05	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0980	0.617	J	1	WG2236031	
MTWA0225MC004	L1709854-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.575	1.19		1	WG2236031	
MTWA0225MC004	L1709854-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.05	11.4		1	WG2236031	
MTWA0225MC004	L1709854-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.246	1.38		1	WG2236031	
MTWA0225MC004	L1709854-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.438	2.17		1	WG2236031	
MTWA0225MC004	L1709854-05	1,1,2-Trichlorotrifluoroetha ne	76-13-1	187.40	0.0793	0.200	1.53	0.0828	0.635	J	1	WG2236031	
MTWA0225MC004	L1709854-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.235	0.816		1	WG2236031	
MTWA0225MC004	L1709854-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.242	0.714	J	1	WG2236031	
MTWA0225MC004	L1709854-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.08	3.19		1	WG2236031	
MTWA0225MC004	L1709854-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.643	1.58	J	1	WG2236031	
MTWA0225MC004	L1709854-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.326	1.23		1	WG2236031	

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.29	5.44		1	WG2236031
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	5.01	8.41	B	1	WG2236031
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2236031
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2236031
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.176	0.562	J	1	WG2236031
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2236031
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2236031
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2236031
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2236031
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2236031
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2236031
Butane	106-97-8	58	0.0522	0.200	0.474	0.625	1.48		1	WG2236031
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.155	0.482	J	1	WG2236031
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0996	0.627	J	1	WG2236031
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2236031
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2236031
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2236031
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.559	1.15		1	WG2236031
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2236031
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.196	0.675	J	1	WG2236031
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2236031
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2236031
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2236031
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2236031
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2236031
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2236031
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2236031
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2236031
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2236031
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2236031
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2236031
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2236031
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2236031
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2236031
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2236031
Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.52	14.2		1	WG2236031
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2236031
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2236031
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.241	1.35		1	WG2236031
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.436	2.16		1	WG2236031
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0851	0.652	J	1	WG2236031
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2236031
Heptane	142-82-5	100	0.104	0.200	0.818	0.141	0.577	J	1	WG2236031
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2236031
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2236031
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2236031
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.226	0.785		1	WG2236031
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2236031
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.289	0.852	J	1	WG2236031
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2236031
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2236031
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2236031
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2236031
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2236031
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.459	1.35		1	WG2236031
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.688	1.69	J	1	WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2236031
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2236031
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2236031
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2236031
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2236031
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.968	3.65		1	WG2236031
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2236031
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2236031
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2236031
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2236031
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0796	0.391	U	1	WG2236031
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2236031
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2236031
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2236031
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2236031
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2236031
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.306	1.33	U	1	WG2236031
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.155	0.672	U	1	WG2236031
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.4				WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.07	9.67		1	WG2236031
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	8.66	14.5	B	1	WG2236031
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2236031
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2236031
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.168	0.537	J	1	WG2236031
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2236031
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2236031
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2236031
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2236031
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2236031
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2236031
Butane	106-97-8	58	0.0522	0.200	0.474	0.434	1.03		1	WG2236031
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2236031
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0959	0.604	J	1	WG2236031
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2236031
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2236031
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2236031
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.543	1.12		1	WG2236031
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2236031
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.0991	0.341	J	1	WG2236031
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2236031
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2236031
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2236031
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2236031
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2236031
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2236031
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2236031
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2236031
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2236031
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2236031
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2236031
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2236031
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2236031
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2236031
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2236031
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.34	10.1		1	WG2236031
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2236031
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2236031
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.244	1.37		1	WG2236031
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.416	2.06		1	WG2236031
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0820	0.628	J	1	WG2236031
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2236031
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2236031
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2236031
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2236031
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2236031
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.370	1.28		1	WG2236031
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2236031
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.212	0.625	J	1	WG2236031
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2236031
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2236031
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2236031
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2236031
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2236031
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.207	0.611		1	WG2236031
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.739	1.82	J	1	WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2236031
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2236031
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2236031
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2236031
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2236031
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.365	1.37	U	1	WG2236031
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2236031
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2236031
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2236031
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2236031
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2236031
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2236031
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2236031
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2236031
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2236031
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2236031
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.186	0.806	U	1	WG2236031
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0935	0.405	U	1	WG2236031
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.1				WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.72	8.84		1	WG2236031
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	130	218		1	WG2236031
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2236031
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2236031
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.156	0.498	J	1	WG2236031
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2236031
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2236031
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2236031
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2236031
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2236031
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2236031
Butane	106-97-8	58	0.0522	0.200	0.474	1.00	2.37		1	WG2236031
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2236031
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.101	0.636	J	1	WG2236031
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2236031
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2236031
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2236031
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.539	1.11		1	WG2236031
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2236031
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2236031
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.0931	0.542	J	1	WG2236031
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2236031
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2236031
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2236031
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2236031
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2236031
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2236031
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2236031
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2236031
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2236031
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2236031
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2236031
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2236031
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2236031
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2236031
Ethanol	64-17-5	46.10	0.265	2.50	4.71	108	204	E	1	WG2236031
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.0918	0.398	J	1	WG2236031
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2236031
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.240	1.35		1	WG2236031
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.435	2.15		1	WG2236031
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0817	0.626	J	1	WG2236031
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2236031
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2236031
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2236031
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	2.09	7.37		1	WG2236031
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2236031
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	3.05	10.6		1	WG2236031
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2236031
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.238	0.702	J	1	WG2236031
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2236031
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2236031
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2236031
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2236031
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2236031
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.16	3.42		1	WG2236031
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	10.2	25.1		1	WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2236031
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2236031
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2236031
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2236031
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2236031
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.966	3.64		1	WG2236031
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2236031
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2236031
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2236031
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2236031
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0814	0.400	U	1	WG2236031
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2236031
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.478	2.23		1	WG2236031
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2236031
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2236031
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2236031
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.325	1.41	U	1	WG2236031
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.160	0.694	U	1	WG2236031
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.2				WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.20	5.23		1	WG2236031
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	11.2	18.8		1	WG2236031
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2236031
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2236031
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.203	0.648		1	WG2236031
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2236031
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2236031
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2236031
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2236031
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2236031
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2236031
Butane	106-97-8	58	0.0522	0.200	0.474	0.505	1.20		1	WG2236031
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2236031
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0862	0.543	J	1	WG2236031
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2236031
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2236031
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2236031
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.582	1.20		1	WG2236031
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2236031
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.207	0.713		1	WG2236031
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2236031
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2236031
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2236031
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2236031
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2236031
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2236031
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2236031
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2236031
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2236031
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2236031
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2236031
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2236031
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2236031
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2236031
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2236031
Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.72	14.6		1	WG2236031
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.115	0.499	J	1	WG2236031
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2236031
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.241	1.35		1	WG2236031
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.448	2.22		1	WG2236031
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0856	0.656	J	1	WG2236031
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2236031
Heptane	142-82-5	100	0.104	0.200	0.818	0.158	0.646	J	1	WG2236031
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2236031
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2236031
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2236031
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.352	1.22		1	WG2236031
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2236031
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.184	0.543	J	1	WG2236031
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2236031
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2236031
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2236031
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2236031
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2236031
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.290	0.856		1	WG2236031
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.788	1.94	J	1	WG2236031

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2236031
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2236031
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2236031
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2236031
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2236031
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.13	4.26		1	WG2236031
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2236031
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2236031
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2236031
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2236031
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.151	0.741	J	1	WG2236031
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2236031
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2236031
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2236031
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2236031
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2236031
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.492	2.13		1	WG2236031
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.217	0.941		1	WG2236031
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.8				WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.21	5.25		1	WG2236031
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	4.62	7.76	B J	1	WG2236031
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2236031
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2236031
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.203	0.648		1	WG2236031
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2236031
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2236031
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2236031
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2236031
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2236031
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2236031
Butane	106-97-8	58	0.0522	0.200	0.474	0.492	1.17		1	WG2236031
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2236031
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0980	0.617	J	1	WG2236031
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2236031
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2236031
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2236031
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.575	1.19		1	WG2236031
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2236031
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2236031
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2236031
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2236031
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2236031
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2236031
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2236031
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2236031
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2236031
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2236031
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2236031
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2236031
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2236031
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2236031
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2236031
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2236031
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2236031
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.05	11.4		1	WG2236031
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2236031
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2236031
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.246	1.38		1	WG2236031
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.438	2.17		1	WG2236031
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0828	0.635	J	1	WG2236031
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2236031
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2236031
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2236031
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2236031
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2236031
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.235	0.816		1	WG2236031
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2236031
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.242	0.714	J	1	WG2236031
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2236031
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2236031
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2236031
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2236031
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2236031
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.08	3.19		1	WG2236031
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.643	1.58	J	1	WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2236031
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2236031
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2236031
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2236031
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2236031
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.326	1.23	J	1	WG2236031
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2236031
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2236031
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2236031
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2236031
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2236031
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2236031
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2236031
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2236031
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2236031
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2236031
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2236031
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2236031
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		99.0				WG2236031

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4039624-3 02/28/24 10:41

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	1.06	U	0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4039624-3 02/28/24 10:41

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	0.0592	U	0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	97.1			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4039624-1 02/28/24 09:23 • (LCSD) R4039624-2 02/28/24 10:03

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	3.41	3.40	90.9	90.7	70.0-130			0.294	25
Acetonitrile	18.8	15.0	15.1	79.8	80.3	70.0-130			0.664	25
Acrylonitrile	3.75	3.41	3.44	90.9	91.7	70.0-130			0.876	25
Allyl chloride	3.75	3.95	3.92	105	105	70.0-130			0.762	25
Benzene	3.75	3.95	3.99	105	106	70.0-130			1.01	25
Benzyl Chloride	3.75	4.53	4.48	121	119	70.0-152			1.11	25
Bromodichloromethane	3.75	4.08	4.09	109	109	70.0-130			0.245	25
Bromoform	3.75	3.99	4.03	106	107	70.0-130			0.998	25
Bromomethane	3.75	4.00	3.93	107	105	70.0-130			1.77	25
Bromoethane	3.75	4.06	4.02	108	107	70.0-130			0.990	25
1,3-Butadiene	3.75	3.70	3.66	98.7	97.6	70.0-130			1.09	25
Butane	3.75	3.42	3.30	91.2	88.0	70.0-130			3.57	25
Carbon disulfide	3.75	3.73	3.71	99.5	98.9	70.0-130			0.538	25
Carbon tetrachloride	3.75	4.33	4.29	115	114	70.0-130			0.928	25
Chlorobenzene	3.75	4.43	4.37	118	117	70.0-130			1.36	25
Chloroethane	3.75	3.60	3.21	96.0	85.6	70.0-130			11.5	25
Chloroform	3.75	4.02	4.04	107	108	70.0-130			0.496	25
Chloromethane	3.75	3.18	3.26	84.8	86.9	70.0-130			2.48	25
2-Chlorotoluene	3.75	4.36	4.35	116	116	70.0-130			0.230	25
Cyclohexane	3.75	4.07	3.99	109	106	70.0-130			1.99	25
n-Decane	3.75	3.94	3.90	105	104	70.0-130			1.02	25
Dibromochloromethane	3.75	4.43	4.35	118	116	70.0-130			1.82	25
1,2-Dibromoethane	3.75	4.31	4.31	115	115	70.0-130			0.000	25
1,2-Dichlorobenzene	3.75	4.65	4.57	124	122	70.0-130			1.74	25
1,3-Dichlorobenzene	3.75	4.61	4.49	123	120	70.0-130			2.64	25
1,4-Dichlorobenzene	3.75	4.67	4.58	125	122	70.0-130			1.95	25
1,2-Dichloroethane	3.75	3.98	3.97	106	106	70.0-130			0.252	25
1,1-Dichloroethane	3.75	3.79	3.71	101	98.9	70.0-130			2.13	25
1,1-Dichloroethene	3.75	3.83	3.77	102	101	70.0-130			1.58	25
cis-1,2-Dichloroethene	3.75	3.75	3.70	100	98.7	70.0-130			1.34	25
trans-1,2-Dichloroethene	3.75	3.76	3.82	100	102	70.0-130			1.58	25
1,2-Dichloropropane	3.75	3.62	3.68	96.5	98.1	70.0-130			1.64	25
cis-1,3-Dichloropropene	3.75	3.99	3.93	106	105	70.0-130			1.52	25
trans-1,3-Dichloropropene	3.75	4.05	3.98	108	106	70.0-130			1.74	25
1,4-Dioxane	3.75	3.91	3.92	104	105	70.0-140			0.255	25
Ethanol	3.75	3.36	3.40	89.6	90.7	55.0-148			1.18	25
Ethylbenzene	3.75	4.24	4.29	113	114	70.0-130			1.17	25
4-Ethyltoluene	3.75	4.53	4.46	121	119	70.0-130			1.56	25
Trichlorofluoromethane	3.75	4.18	4.17	111	111	70.0-130			0.240	25
Dichlorodifluoromethane	3.75	3.53	3.49	94.1	93.1	64.0-139			1.14	25

1

Cp

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Tc

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Ss

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Cn

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Ds

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Sr

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Qc

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Gl

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Al

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Sc

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

(LCS) R4039624-1 02/28/24 09:23 • (LCSD) R4039624-2 02/28/24 10:03

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.17	4.06	111	108	70.0-130			2.67	25
1,2-Dichlorotetrafluoroethane	3.75	3.93	3.93	105	105	70.0-130			0.000	25
Heptane	3.75	3.76	3.72	100	99.2	70.0-130			1.07	25
Hexachloro-1,3-butadiene	3.75	5.00	4.96	133	132	70.0-151			0.803	25
n-Hexane	3.75	3.57	3.58	95.2	95.5	70.0-130			0.280	25
Isopropylbenzene	3.75	4.30	4.36	115	116	70.0-130			1.39	25
Methylene Chloride	3.75	3.43	3.40	91.5	90.7	70.0-130			0.878	25
Methyl Butyl Ketone	3.75	4.00	3.81	107	102	70.0-149			4.87	25
2-Butanone (MEK)	3.75	3.74	3.74	99.7	99.7	70.0-130			0.000	25
4-Methyl-2-pentanone (MIBK)	3.75	3.75	3.70	100	98.7	70.0-139			1.34	25
Methyl methacrylate	3.75	3.80	3.73	101	99.5	70.0-130			1.86	25
MTBE	3.75	4.03	3.98	107	106	70.0-130			1.25	25
Naphthalene	3.75	4.87	4.83	130	129	70.0-159			0.825	25
Nonane	3.75	3.80	3.80	101	101	70.0-130			0.000	25
Pentane	3.75	3.28	3.28	87.5	87.5	70.0-130			0.000	25
2-Propanol	3.75	3.39	3.50	90.4	93.3	70.0-139			3.19	25
Propene	3.75	3.23	3.45	86.1	92.0	64.0-144			6.59	25
Styrene	3.75	4.27	4.32	114	115	70.0-130			1.16	25
1,1,2,2-Tetrachloroethane	3.75	4.09	4.15	109	111	70.0-130			1.46	25
Tetrachloroethylene	3.75	4.65	4.59	124	122	70.0-130			1.30	25
Tetrahydrofuran	3.75	3.48	3.45	92.8	92.0	70.0-137			0.866	25
Toluene	3.75	4.21	4.15	112	111	70.0-130			1.44	25
1,2,4-Trichlorobenzene	3.75	4.99	4.91	133	131	70.0-160			1.62	25
1,1,1-Trichloroethane	3.75	4.20	4.12	112	110	70.0-130			1.92	25
1,1,2-Trichloroethane	3.75	4.23	4.25	113	113	70.0-130			0.472	25
Trichloroethylene	3.75	4.27	4.21	114	112	70.0-130			1.42	25
1,2,4-Trimethylbenzene	3.75	4.74	4.65	126	124	70.0-130			1.92	25
1,3,5-Trimethylbenzene	3.75	4.66	4.55	124	121	70.0-130			2.39	25
2,2,4-Trimethylpentane	3.75	3.76	3.74	100	99.7	70.0-130			0.533	25
Vinyl chloride	3.75	3.41	3.43	90.9	91.5	70.0-130			0.585	25
Vinyl Bromide	3.75	4.08	4.06	109	108	70.0-130			0.491	25
Vinyl acetate	3.75	4.06	3.93	108	105	70.0-130			3.25	25
m&p-Xylene	7.50	8.71	8.84	116	118	70.0-130			1.48	25
o-Xylene	3.75	4.23	4.41	113	118	70.0-130			4.17	25
(S) 1,4-Bromofluorobenzene				97.9	99.5	60.0-140				

¹Cp

²Tc

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⁶Sr

⁷Qc

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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.
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

B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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





THE SCIENCE OF READY™

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

J161

Send Report to	ahenault@cteh.com , small@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com
Accounting	Send invoices to CTEHAP@montrose-crv.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☐ Same Day ☒ Next Day
☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒
Retain w/ storage fees after 2X hold time ☐ L70954

[illegible]

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Madelyn Klinkerman <i>Madelyn Klinkerman</i>	02/27/24 1315	<i>Jethro Breen</i>	02/27/24 1320	
<i>02/27/24 Madelyn B</i> <i>1430</i>	02/27/24 1430			<i>fameem</i> 2-28-24 0900

SDG # MTWA0225MC

Page 1 of 1

CTEH - ER

Sample Delivery Group: L1711177
Samples Received: 03/02/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

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

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0227MC001 L171177-01 Air

				Collected by RS	Collected date/time 02/28/24 06:30	Received date/time 03/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2238613	1	03/03/24 13:14	03/03/24 13:14	GH	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

MTWA0227MC002 L171177-02 Air

				Collected by RS	Collected date/time 02/28/24 15:52	Received date/time 03/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2238613	1	03/03/24 13:48	03/03/24 13:48	GH	Mt. Juliet, TN

MTWA0227MC003 L171177-03 Air

				Collected by RS	Collected date/time 02/28/24 00:53	Received date/time 03/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2238613	1	03/03/24 14:39	03/03/24 14:39	GH	Mt. Juliet, TN

MTWA0227MC004 L171177-04 Air

				Collected by RS	Collected date/time 02/28/24 16:30	Received date/time 03/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2238613	1	03/03/24 15:13	03/03/24 15:13	GH	Mt. Juliet, TN

MTWA0226MC001 L171177-05 Air

				Collected by RS	Collected date/time 02/27/24 15:30	Received date/time 03/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2238613	1	03/03/24 15:46	03/03/24 15:46	GH	Mt. Juliet, TN

MTWA0226MC002 L171177-06 Air

				Collected by RS	Collected date/time 02/27/24 15:52	Received date/time 03/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2238613	1	03/03/24 16:20	03/03/24 16:20	GH	Mt. Juliet, TN

MTWA0226MC003 L171177-07 Air

				Collected by RS	Collected date/time 02/27/24 16:15	Received date/time 03/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2238613	1	03/03/24 16:53	03/03/24 16:53	GH	Mt. Juliet, TN

MTWA0226MC004 L171177-08 Air

				Collected by RS	Collected date/time 02/27/24 16:30	Received date/time 03/02/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2238613	1	03/03/24 17:27	03/03/24 17:27	GH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc
MTWA0227MC001	L1711177-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.78	8.98	1	WG2238613	3 Ss
MTWA0227MC001	L1711177-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	9.44	15.8	1	WG2238613	4 Cn
MTWA0227MC001	L1711177-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.155	0.495	1	WG2238613	5 Ds
MTWA0227MC001	L1711177-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.968	2.30	1	WG2238613	6 Sr
MTWA0227MC001	L1711177-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.610	1.26	1	WG2238613	7 Qc
MTWA0227MC001	L1711177-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	53.7	101	1	WG2238613	8 Gl
MTWA0227MC001	L1711177-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.223	1.25	1	WG2238613	9 Al
MTWA0227MC001	L1711177-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.413	2.04	1	WG2238613	10 Sc
MTWA0227MC001	L1711177-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.463	1.61	1	WG2238613	
MTWA0227MC001	L1711177-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.221	0.652	1	WG2238613	
MTWA0227MC001	L1711177-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	2.12	6.26	1	WG2238613	
MTWA0227MC001	L1711177-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.45	8.48	1	WG2238613	
MTWA0227MC001	L1711177-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.290	1.09	1	WG2238613	
MTWA0227MC002	L1711177-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	10.9	25.9	1	WG2238613	
MTWA0227MC002	L1711177-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.433	1.38	1	WG2238613	
MTWA0227MC002	L1711177-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.510	1.21	1	WG2238613	
MTWA0227MC002	L1711177-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.683	1.41	1	WG2238613	
MTWA0227MC002	L1711177-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.64	16.3	1	WG2238613	
MTWA0227MC002	L1711177-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.202	1.14	1	WG2238613	
MTWA0227MC002	L1711177-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.385	1.90	1	WG2238613	
MTWA0227MC002	L1711177-02	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.0918	0.451	1	WG2238613	
MTWA0227MC002	L1711177-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.200	0.694	1	WG2238613	
MTWA0227MC002	L1711177-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.347	1.02	1	WG2238613	
MTWA0227MC002	L1711177-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.353	1.04	1	WG2238613	
MTWA0227MC002	L1711177-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.874	3.29	1	WG2238613	
MTWA0227MC003	L1711177-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.71	15.9	1	WG2238613	
MTWA0227MC003	L1711177-03	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	2.79	4.68	1	WG2238613	
MTWA0227MC003	L1711177-03	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	4.72	10.2	1	WG2238613	
MTWA0227MC003	L1711177-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.213	0.680	1	WG2238613	
MTWA0227MC003	L1711177-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.697	1.65	1	WG2238613	
MTWA0227MC003	L1711177-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.609	1.26	1	WG2238613	
MTWA0227MC003	L1711177-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	28.0	52.8	1	WG2238613	
MTWA0227MC003	L1711177-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.221	1.24	1	WG2238613	
MTWA0227MC003	L1711177-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.367	1.82	1	WG2238613	
MTWA0227MC003	L1711177-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.332	1.15	1	WG2238613	
MTWA0227MC003	L1711177-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.386	1.14	1	WG2238613	
MTWA0227MC003	L1711177-03	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.102	0.418	1	WG2238613	
MTWA0227MC003	L1711177-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.50	4.43	1	WG2238613	
MTWA0227MC003	L1711177-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	4.90	12.0	1	WG2238613	
MTWA0227MC003	L1711177-03	Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	0.406	2.76	1	WG2238613	
MTWA0227MC003	L1711177-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.13	4.26	1	WG2238613	
MTWA0227MC003	L1711177-03	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0773	0.379	1	WG2238613	
MTWA0227MC003	L1711177-03	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.263	1.14	1	WG2238613	
MTWA0227MC003	L1711177-03	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.124	0.538	1	WG2238613	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp	
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc	
MTWA0227MC004	L1711177-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.56	8.46		1	WG2238613	
MTWA0227MC004	L1711177-04	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.609	1.02	J	1	WG2238613	
MTWA0227MC004	L1711177-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.165	0.527	J	1	WG2238613	3 Ss
MTWA0227MC004	L1711177-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.420	0.996		1	WG2238613	
MTWA0227MC004	L1711177-04	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0796	0.501	J	1	WG2238613	4 Cn
MTWA0227MC004	L1711177-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.616	1.27		1	WG2238613	
MTWA0227MC004	L1711177-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	16.4	30.9		1	WG2238613	
MTWA0227MC004	L1711177-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG2238613	5 Ds
MTWA0227MC004	L1711177-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.405	2.00		1	WG2238613	
MTWA0227MC004	L1711177-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.192	0.667	J	1	WG2238613	
MTWA0227MC004	L1711177-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.272	0.802	J	1	WG2238613	6 Sr
MTWA0227MC004	L1711177-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.460	1.36		1	WG2238613	
MTWA0227MC004	L1711177-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.51	8.63		1	WG2238613	7 Qc
MTWA0227MC004	L1711177-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.571	2.15		1	WG2238613	
MTWA0226MC001	L1711177-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.12	7.41		1	WG2238613	8 Gl
MTWA0226MC001	L1711177-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.173	0.553	J	1	WG2238613	
MTWA0226MC001	L1711177-05	Butane	106-97-8	58	0.0522	0.200	0.474	0.530	1.26		1	WG2238613	
MTWA0226MC001	L1711177-05	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0738	0.465	J	1	WG2238613	9 Al
MTWA0226MC001	L1711177-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.572	1.18		1	WG2238613	
MTWA0226MC001	L1711177-05	trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.627	2.48		1	WG2238613	
MTWA0226MC001	L1711177-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.36	10.1		1	WG2238613	10 Sc
MTWA0226MC001	L1711177-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.221	1.24		1	WG2238613	
MTWA0226MC001	L1711177-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.366	1.81		1	WG2238613	
MTWA0226MC001	L1711177-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.181	0.629	J	1	WG2238613	
MTWA0226MC001	L1711177-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.153	0.451	J	1	WG2238613	
MTWA0226MC001	L1711177-05	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0630	0.330	J	1	WG2238613	
MTWA0226MC001	L1711177-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.446	1.32		1	WG2238613	
MTWA0226MC001	L1711177-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.704	1.73	J	1	WG2238613	
MTWA0226MC001	L1711177-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.399	1.50	J	1	WG2238613	
MTWA0226MC002	L1711177-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.21	10.0		1	WG2238613	
MTWA0226MC002	L1711177-06	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.39	2.33	J	1	WG2238613	
MTWA0226MC002	L1711177-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.135	0.431	J	1	WG2238613	
MTWA0226MC002	L1711177-06	Butane	106-97-8	58	0.0522	0.200	0.474	0.601	1.43		1	WG2238613	
MTWA0226MC002	L1711177-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.616	1.27		1	WG2238613	
MTWA0226MC002	L1711177-06	trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.961	3.81		1	WG2238613	
MTWA0226MC002	L1711177-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.64	10.6		1	WG2238613	
MTWA0226MC002	L1711177-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.225	1.26		1	WG2238613	
MTWA0226MC002	L1711177-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.396	1.96		1	WG2238613	
MTWA0226MC002	L1711177-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.183	0.635	J	1	WG2238613	
MTWA0226MC002	L1711177-06	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.210	0.619	J	1	WG2238613	
MTWA0226MC002	L1711177-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.16	2.85	J	1	WG2238613	
MTWA0226MC002	L1711177-06	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.191	0.719	J	1	WG2238613	
MTWA0226MC003	L1711177-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.97	7.06		1	WG2238613	
MTWA0226MC003	L1711177-07	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.859	1.44	J	1	WG2238613	
MTWA0226MC003	L1711177-07	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.84	3.99	J	1	WG2238613	
MTWA0226MC003	L1711177-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.186	0.594	J	1	WG2238613	
MTWA0226MC003	L1711177-07	Butane	106-97-8	58	0.0522	0.200	0.474	0.581	1.38		1	WG2238613	
MTWA0226MC003	L1711177-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.559	1.15		1	WG2238613	
MTWA0226MC003	L1711177-07	trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.921	3.65		1	WG2238613	
MTWA0226MC003	L1711177-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.02	13.2		1	WG2238613	
MTWA0226MC003	L1711177-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.203	1.14		1	WG2238613	
MTWA0226MC003	L1711177-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.392	1.94		1	WG2238613	
MTWA0226MC003	L1711177-07	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.206	0.715		1	WG2238613	
MTWA0226MC003	L1711177-07	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.237	0.699	J	1	WG2238613	
MTWA0226MC003	L1711177-07	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.231	0.682		1	WG2238613	
MTWA0226MC003	L1711177-07	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.600	1.47	J	1	WG2238613	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp
					ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc
MTWA0226MC003	L1711177-07	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.704	2.65		1	WG2238613	3 Ss
MTWA0226MC003	L1711177-07	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.141	0.611	J	1	WG2238613	4 Cn
MTWA0226MC004	L1711177-08	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.41	10.5		1	WG2238613	5 Ds
MTWA0226MC004	L1711177-08	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.15	1.93	J	1	WG2238613	6 Sr
MTWA0226MC004	L1711177-08	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.151	0.482	J	1	WG2238613	7 Qc
MTWA0226MC004	L1711177-08	Butane	106-97-8	58	0.0522	0.200	0.474	0.524	1.24		1	WG2238613	8 Gl
MTWA0226MC004	L1711177-08	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.573	1.18		1	WG2238613	9 Al
MTWA0226MC004	L1711177-08	trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.370	1.47		1	WG2238613	10 Sc
MTWA0226MC004	L1711177-08	Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.38	12.0		1	WG2238613	
MTWA0226MC004	L1711177-08	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.212	1.19		1	WG2238613	
MTWA0226MC004	L1711177-08	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.387	1.91		1	WG2238613	
MTWA0226MC004	L1711177-08	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.173	0.601	J	1	WG2238613	
MTWA0226MC004	L1711177-08	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.281	0.829	J	1	WG2238613	
MTWA0226MC004	L1711177-08	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.250	0.738		1	WG2238613	
MTWA0226MC004	L1711177-08	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.937	2.30	J	1	WG2238613	
MTWA0226MC004	L1711177-08	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.255	0.961	J	1	WG2238613	

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.78	8.98		1	WG2238613
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	9.44	15.8		1	WG2238613
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2238613
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2238613
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.155	0.495	J	1	WG2238613
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2238613
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2238613
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2238613
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2238613
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2238613
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2238613
Butane	106-97-8	58	0.0522	0.200	0.474	0.968	2.30		1	WG2238613
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2238613
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2238613
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2238613
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2238613
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2238613
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.610	1.26		1	WG2238613
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2238613
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2238613
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2238613
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2238613
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2238613
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2238613
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2238613
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2238613
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2238613
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2238613
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2238613
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2238613
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2238613
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2238613
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2238613
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2238613
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2238613
Ethanol	64-17-5	46.10	0.265	2.50	4.71	53.7	101		1	WG2238613
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2238613
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2238613
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.223	1.25		1	WG2238613
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.413	2.04		1	WG2238613
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2238613
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2238613
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2238613
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2238613
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2238613
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2238613
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.463	1.61		1	WG2238613
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2238613
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.221	0.652	J	1	WG2238613
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2238613
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2238613
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2238613
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2238613
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2238613
Pentane	109-66-0	72.15	0.0503	0.200	0.590	2.12	6.26		1	WG2238613
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.45	8.48		1	WG2238613

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2238613
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2238613
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2238613
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2238613
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2238613
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.290	1.09	J	1	WG2238613
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2238613
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2238613
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2238613
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2238613
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2238613
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2238613
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2238613
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2238613
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2238613
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2238613
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2238613
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2238613
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.5				WG2238613

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	10.9	25.9		1	WG2238613
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2238613
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2238613
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2238613
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.433	1.38		1	WG2238613
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2238613
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2238613
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2238613
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2238613
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2238613
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2238613
Butane	106-97-8	58	0.0522	0.200	0.474	0.510	1.21		1	WG2238613
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2238613
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2238613
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2238613
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2238613
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2238613
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.683	1.41		1	WG2238613
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2238613
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2238613
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2238613
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2238613
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2238613
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2238613
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2238613
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2238613
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2238613
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2238613
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2238613
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2238613
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2238613
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2238613
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2238613
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2238613
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2238613
Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.64	16.3		1	WG2238613
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2238613
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2238613
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.202	1.14		1	WG2238613
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.385	1.90		1	WG2238613
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2238613
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2238613
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2238613
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2238613
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2238613
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.0918	0.451	J	1	WG2238613
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.200	0.694	J	1	WG2238613
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2238613
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.347	1.02	J	1	WG2238613
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2238613
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2238613
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2238613
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2238613
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2238613
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.353	1.04		1	WG2238613
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	U	U		1	WG2238613

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2238613
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2238613
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2238613
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2238613
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2238613
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.874	3.29		1	WG2238613
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2238613
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2238613
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2238613
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2238613
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2238613
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2238613
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2238613
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2238613
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2238613
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2238613
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2238613
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2238613
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.7				WG2238613

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.71	15.9		1	WG2238613
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	2.79	4.68	J	1	WG2238613
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	4.72	10.2	J	1	WG2238613
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2238613
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.213	0.680		1	WG2238613
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2238613
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2238613
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2238613
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2238613
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2238613
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2238613
Butane	106-97-8	58	0.0522	0.200	0.474	0.697	1.65		1	WG2238613
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2238613
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2238613
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2238613
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2238613
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2238613
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.609	1.26		1	WG2238613
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2238613
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2238613
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2238613
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2238613
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2238613
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2238613
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2238613
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2238613
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2238613
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2238613
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2238613
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2238613
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2238613
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2238613
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2238613
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2238613
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2238613
Ethanol	64-17-5	46.10	0.265	2.50	4.71	28.0	52.8		1	WG2238613
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2238613
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2238613
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.221	1.24		1	WG2238613
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.367	1.82		1	WG2238613
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2238613
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2238613
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2238613
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2238613
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2238613
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2238613
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.332	1.15		1	WG2238613
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2238613
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.386	1.14	J	1	WG2238613
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.102	0.418	J	1	WG2238613
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2238613
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2238613
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2238613
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2238613
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.50	4.43		1	WG2238613
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	4.90	12.0		1	WG2238613

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2238613
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2238613
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2238613
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	0.406	2.76		1	WG2238613
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2238613
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.13	4.26		1	WG2238613
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2238613
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2238613
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2238613
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2238613
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.0773	0.379	U	1	WG2238613
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2238613
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2238613
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2238613
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2238613
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2238613
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.263	1.14	U	1	WG2238613
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.124	0.538	U	1	WG2238613
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.5				WG2238613

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.56	8.46		1	WG2238613
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.609	1.02	J	1	WG2238613
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2238613
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2238613
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.165	0.527	J	1	WG2238613
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2238613
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2238613
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2238613
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2238613
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2238613
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2238613
Butane	106-97-8	58	0.0522	0.200	0.474	0.420	0.996		1	WG2238613
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2238613
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0796	0.501	J	1	WG2238613
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2238613
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2238613
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2238613
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.616	1.27		1	WG2238613
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2238613
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2238613
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2238613
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2238613
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2238613
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2238613
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2238613
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2238613
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2238613
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2238613
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2238613
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2238613
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2238613
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2238613
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2238613
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2238613
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2238613
Ethanol	64-17-5	46.10	0.265	2.50	4.71	16.4	30.9		1	WG2238613
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2238613
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2238613
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG2238613
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.405	2.00		1	WG2238613
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2238613
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2238613
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2238613
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2238613
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2238613
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2238613
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.192	0.667	J	1	WG2238613
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2238613
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.272	0.802	J	1	WG2238613
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2238613
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2238613
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2238613
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2238613
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2238613
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.460	1.36		1	WG2238613
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.51	8.63		1	WG2238613

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2238613
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2238613
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2238613
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2238613
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2238613
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.571	2.15		1	WG2238613
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2238613
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2238613
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2238613
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2238613
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2238613
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2238613
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2238613
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2238613
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2238613
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2238613
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2238613
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2238613
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		99.0				WG2238613

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.12	7.41		1	WG2238613
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2238613
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2238613
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2238613
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.173	0.553	J	1	WG2238613
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2238613
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2238613
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2238613
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2238613
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2238613
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2238613
Butane	106-97-8	58	0.0522	0.200	0.474	0.530	1.26		1	WG2238613
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2238613
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0738	0.465	J	1	WG2238613
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2238613
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2238613
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2238613
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.572	1.18		1	WG2238613
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2238613
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2238613
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2238613
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2238613
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2238613
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2238613
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2238613
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2238613
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2238613
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2238613
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2238613
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2238613
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.627	2.48		1	WG2238613
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2238613
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2238613
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2238613
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2238613
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.36	10.1		1	WG2238613
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2238613
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2238613
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.221	1.24		1	WG2238613
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.366	1.81		1	WG2238613
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2238613
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2238613
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2238613
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2238613
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2238613
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2238613
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.181	0.629	J	1	WG2238613
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2238613
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.153	0.451	J	1	WG2238613
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2238613
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2238613
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2238613
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2238613
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0630	0.330	J	1	WG2238613
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.446	1.32		1	WG2238613
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.704	1.73	J	1	WG2238613



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2238613
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2238613
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2238613
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2238613
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2238613
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.399	1.50	J	1	WG2238613
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2238613
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2238613
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2238613
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2238613
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2238613
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2238613
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2238613
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2238613
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2238613
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2238613
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2238613
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2238613
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		99.2				WG2238613

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.21	10.0		1	WG2238613
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.39	2.33	J	1	WG2238613
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2238613
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2238613
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.135	0.431	J	1	WG2238613
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2238613
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2238613
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2238613
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2238613
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2238613
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2238613
Butane	106-97-8	58	0.0522	0.200	0.474	0.601	1.43		1	WG2238613
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2238613
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2238613
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2238613
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2238613
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2238613
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.616	1.27		1	WG2238613
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2238613
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2238613
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2238613
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2238613
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2238613
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2238613
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2238613
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2238613
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2238613
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2238613
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2238613
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2238613
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.961	3.81		1	WG2238613
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2238613
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2238613
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2238613
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2238613
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.64	10.6		1	WG2238613
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2238613
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2238613
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.225	1.26		1	WG2238613
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.396	1.96		1	WG2238613
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2238613
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2238613
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2238613
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2238613
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2238613
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2238613
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.183	0.635	J	1	WG2238613
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2238613
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.210	0.619	J	1	WG2238613
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2238613
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2238613
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2238613
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2238613
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2238613
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2238613
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.16	2.85	J	1	WG2238613

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2238613
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2238613
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2238613
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2238613
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2238613
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.191	0.719	J	1	WG2238613
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2238613
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2238613
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2238613
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2238613
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2238613
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2238613
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2238613
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2238613
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2238613
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2238613
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2238613
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2238613
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.1				WG2238613

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.97	7.06		1	WG2238613
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.859	1.44	J	1	WG2238613
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.84	3.99	J	1	WG2238613
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2238613
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.186	0.594	J	1	WG2238613
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2238613
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2238613
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2238613
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2238613
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2238613
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2238613
Butane	106-97-8	58	0.0522	0.200	0.474	0.581	1.38		1	WG2238613
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2238613
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2238613
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2238613
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2238613
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2238613
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.559	1.15		1	WG2238613
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2238613
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2238613
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2238613
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2238613
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2238613
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2238613
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2238613
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2238613
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2238613
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2238613
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2238613
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2238613
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.921	3.65		1	WG2238613
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2238613
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2238613
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2238613
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2238613
Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.02	13.2		1	WG2238613
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2238613
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2238613
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.203	1.14		1	WG2238613
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.392	1.94		1	WG2238613
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2238613
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2238613
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2238613
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2238613
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2238613
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2238613
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.206	0.715		1	WG2238613
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2238613
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.237	0.699	J	1	WG2238613
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2238613
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2238613
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2238613
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2238613
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2238613
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.231	0.682		1	WG2238613
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.600	1.47	J	1	WG2238613



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2238613
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2238613
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2238613
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2238613
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2238613
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.704	2.65		1	WG2238613
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2238613
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2238613
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2238613
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2238613
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2238613
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2238613
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2238613
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2238613
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2238613
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2238613
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.141	0.611	J	1	WG2238613
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2238613
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.4				WG2238613

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.41	10.5		1	WG2238613
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.15	1.93	J	1	WG2238613
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2238613
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2238613
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.151	0.482	J	1	WG2238613
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2238613
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2238613
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2238613
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2238613
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2238613
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2238613
Butane	106-97-8	58	0.0522	0.200	0.474	0.524	1.24		1	WG2238613
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2238613
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2238613
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2238613
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2238613
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2238613
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.573	1.18		1	WG2238613
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2238613
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2238613
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2238613
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2238613
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2238613
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2238613
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2238613
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2238613
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2238613
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2238613
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2238613
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2238613
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.370	1.47		1	WG2238613
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2238613
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2238613
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2238613
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2238613
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.38	12.0		1	WG2238613
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2238613
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2238613
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.212	1.19		1	WG2238613
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.387	1.91		1	WG2238613
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2238613
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2238613
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2238613
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2238613
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2238613
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2238613
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.173	0.601	J	1	WG2238613
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2238613
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.281	0.829	J	1	WG2238613
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2238613
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2238613
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2238613
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2238613
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2238613
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.250	0.738		1	WG2238613
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.937	2.30	J	1	WG2238613



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2238613
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2238613
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2238613
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2238613
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2238613
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.255	0.961	J	1	WG2238613
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2238613
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2238613
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2238613
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2238613
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2238613
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2238613
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2238613
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2238613
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2238613
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2238613
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2238613
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2238613
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.4				WG2238613

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4041300-3 03/03/24 11:01

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.267	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4041300-3 03/03/24 11:01

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	97.5			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4041300-1 03/03/24 08:15 • (LCSD) R4041300-2 03/03/24 08:52

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	4.02	3.81	107	102	70.0-130			5.36	25
Acetonitrile	18.8	20.9	20.1	111	107	70.0-130			3.90	25
Acrylonitrile	3.75	4.10	3.54	109	94.4	70.0-130			14.7	25
Allyl chloride	3.75	4.49	4.43	120	118	70.0-130			1.35	25
Benzene	3.75	3.92	3.98	105	106	70.0-130			1.52	25
Benzyl Chloride	3.75	4.08	4.10	109	109	70.0-152			0.489	25
Bromodichloromethane	3.75	4.18	4.18	111	111	70.0-130			0.000	25
Bromoform	3.75	3.76	3.72	100	99.2	70.0-130			1.07	25
Bromomethane	3.75	4.08	4.01	109	107	70.0-130			1.73	25
Bromoethane	3.75	4.12	4.03	110	107	70.0-130			2.21	25
1,3-Butadiene	3.75	4.27	4.14	114	110	70.0-130			3.09	25
Butane	3.75	4.27	4.22	114	113	70.0-130			1.18	25
Carbon disulfide	3.75	4.21	3.99	112	106	70.0-130			5.37	25
Carbon tetrachloride	3.75	4.21	4.04	112	108	70.0-130			4.12	25
Chlorobenzene	3.75	3.82	3.83	102	102	70.0-130			0.261	25
Chloroethane	3.75	4.18	4.26	111	114	70.0-130			1.90	25
Chloroform	3.75	3.97	3.88	106	103	70.0-130			2.29	25
Chloromethane	3.75	4.17	4.09	111	109	70.0-130			1.94	25
2-Chlorotoluene	3.75	4.10	4.07	109	109	70.0-130			0.734	25
Cyclohexane	3.75	3.91	3.82	104	102	70.0-130			2.33	25
n-Decane	3.75	4.63	4.61	123	123	70.0-130			0.433	25
Dibromochloromethane	3.75	4.01	4.00	107	107	70.0-130			0.250	25
1,2-Dibromoethane	3.75	4.03	3.93	107	105	70.0-130			2.51	25
1,2-Dichlorobenzene	3.75	3.93	3.91	105	104	70.0-130			0.510	25
1,3-Dichlorobenzene	3.75	3.98	3.98	106	106	70.0-130			0.000	25
1,4-Dichlorobenzene	3.75	3.88	3.91	103	104	70.0-130			0.770	25
1,2-Dichloroethane	3.75	4.02	4.09	107	109	70.0-130			1.73	25
1,1-Dichloroethane	3.75	4.38	4.00	117	107	70.0-130			9.07	25
1,1-Dichloroethene	3.75	4.38	4.29	117	114	70.0-130			2.08	25
cis-1,2-Dichloroethene	3.75	4.23	3.92	113	105	70.0-130			7.61	25
trans-1,2-Dichloroethene	3.75	4.46	4.16	119	111	70.0-130			6.96	25
1,2-Dichloropropane	3.75	3.87	3.90	103	104	70.0-130			0.772	25
cis-1,3-Dichloropropene	3.75	4.05	4.12	108	110	70.0-130			1.71	25
trans-1,3-Dichloropropene	3.75	4.19	4.06	112	108	70.0-130			3.15	25
1,4-Dioxane	3.75	3.63	3.73	96.8	99.5	70.0-140			2.72	25
Ethanol	3.75	4.42	4.36	118	116	55.0-148			1.37	25
Ethylbenzene	3.75	3.84	3.86	102	103	70.0-130			0.519	25
4-Ethyltoluene	3.75	4.14	4.13	110	110	70.0-130			0.242	25
Trichlorofluoromethane	3.75	4.28	4.30	114	115	70.0-130			0.466	25
Dichlorodifluoromethane	3.75	3.92	3.80	105	101	64.0-139			3.11	25

1
Cp

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Tc

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Ss

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

(LCS) R4041300-1 03/03/24 08:15 • (LCSD) R4041300-2 03/03/24 08:52

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.21	4.14	112	110	70.0-130			1.68	25
1,2-Dichlorotetrafluoroethane	3.75	4.05	4.00	108	107	70.0-130			1.24	25
Heptane	3.75	4.21	3.97	112	106	70.0-130			5.87	25
Hexachloro-1,3-butadiene	3.75	3.94	3.90	105	104	70.0-151			1.02	25
n-Hexane	3.75	4.16	3.80	111	101	70.0-130			9.05	25
Isopropylbenzene	3.75	3.84	3.77	102	101	70.0-130			1.84	25
Methylene Chloride	3.75	4.32	4.04	115	108	70.0-130			6.70	25
Methyl Butyl Ketone	3.75	3.89	3.89	104	104	70.0-149			0.000	25
2-Butanone (MEK)	3.75	4.10	3.96	109	106	70.0-130			3.47	25
4-Methyl-2-pentanone (MIBK)	3.75	3.96	3.98	106	106	70.0-139			0.504	25
Methyl methacrylate	3.75	3.91	4.04	104	108	70.0-130			3.27	25
MTBE	3.75	3.95	3.81	105	102	70.0-130			3.61	25
Naphthalene	3.75	3.67	3.70	97.9	98.7	70.0-159			0.814	25
Nonane	3.75	4.31	4.28	115	114	70.0-130			0.698	25
Pentane	3.75	4.42	4.37	118	117	70.0-130			1.14	25
2-Propanol	3.75	3.83	3.79	102	101	70.0-139			1.05	25
Propene	3.75	4.11	4.00	110	107	64.0-144			2.71	25
Styrene	3.75	4.18	4.11	111	110	70.0-130			1.69	25
1,1,2,2-Tetrachloroethane	3.75	4.06	4.05	108	108	70.0-130			0.247	25
Tetrachloroethylene	3.75	3.64	3.68	97.1	98.1	70.0-130			1.09	25
Tetrahydrofuran	3.75	3.98	3.93	106	105	70.0-137			1.26	25
Toluene	3.75	3.88	3.87	103	103	70.0-130			0.258	25
1,2,4-Trichlorobenzene	3.75	4.02	4.02	107	107	70.0-160			0.000	25
1,1,1-Trichloroethane	3.75	4.16	4.13	111	110	70.0-130			0.724	25
1,1,2-Trichloroethane	3.75	4.09	4.09	109	109	70.0-130			0.000	25
Trichloroethylene	3.75	3.81	3.83	102	102	70.0-130			0.524	25
1,2,4-Trimethylbenzene	3.75	4.01	4.04	107	108	70.0-130			0.745	25
1,3,5-Trimethylbenzene	3.75	4.06	4.08	108	109	70.0-130			0.491	25
2,2,4-Trimethylpentane	3.75	3.98	3.89	106	104	70.0-130			2.29	25
Vinyl chloride	3.75	4.20	4.16	112	111	70.0-130			0.957	25
Vinyl Bromide	3.75	4.22	4.17	113	111	70.0-130			1.19	25
Vinyl acetate	3.75	3.96	3.57	106	95.2	70.0-130			10.4	25
m&p-Xylene	7.50	7.76	7.82	103	104	70.0-130			0.770	25
o-Xylene	3.75	3.70	3.77	98.7	101	70.0-130			1.87	25
(S) 1,4-Bromofluorobenzene				98.8	98.9	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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.
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.

¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ 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 ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

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

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

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





CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

J058

Send Report to ahenault@cteh.com, mreilly@cteh.com
Company CTEH, LLC
Address 5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone (501)801-8500
e-mail labresults@cteh.com
Accounting Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☐ Same Day ☐ Next Day
☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☐ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☐

Retain w/ storage fees after 2X hold time ☐

41711177

Lab Contact Information	Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method			Matrix A = air B = bulk S = soil SW = wipe T = tape W = water
											TO-15			
	MTWA0227MC001	10935	11633	2/27/2024	1530	2/28/2024	0630	-29	-6	RS	✓			A-01
	MTWA0227MC002	12519	23543	2/27/2024	1552	2/28/2024	1552	-29	-1	RS	✓			A-02
	MTWA0227MC003	21182	23483	2/27/2024	1415	2/28/2024	0053	-28	-18	RS	✓			A-03
	MTWA0227MC004	29356	23504	2/27/2024	1630	2/28/2024	1630	-28	-2	RS	✓			A-04
	MTWA0226MC001	12639	11700	02/26/2024	1530	02/27/2024	1530	-29	-3	RS	✓			A-05
	MTWA0226MC002	15590	9895	02/26/2024	1552	02/27/2024	1552	-29	-1	RS	✓			A-06
	MTWA0226MC003	15626	28463	02/26/2024	1615	02/27/2024	1615	-29	-2	RS	✓			A-07
	MTWA0226MC004	29336	10275	02/26/2024	1630	02/27/2024	1630	-29	-3	RS	✓			A-08

Sample Receipt Checklist
COC Seal Present/Intact: ☒ Y ☐ N Airs _____
COC Signed/Accurate: ☒ Y ☐ N Size: 8 1L 6 1.4L
Bottles arrive intact: ☒ Y ☐ N Tag Color: G ☐ W ☐ P ☐ B
Correct bottles used: ☒ Y ☐ N Tubing _____ Shunt _____

T/P#: 3-2-24

ED BY

DATE/TIME

COMMENTS

fennell

3-2-24

0900

CTEH - ER

Sample Delivery Group: L1712015
Samples Received: 03/06/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

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

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SAMPLE SUMMARY

MTWA0229MC003 L1712015-01 Air

				Collected by RS	Collected date/time 03/01/24 16:15	Received date/time 03/06/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2241731	1	03/07/24 12:00	03/07/24 12:00	SDS	Mt. Juliet, TN

MTWA0229MC004 L1712015-02 Air

				Collected by RS	Collected date/time 03/01/24 16:30	Received date/time 03/06/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2241731	1	03/07/24 12:39	03/07/24 12:39	SDS	Mt. Juliet, TN

MTWA0301MC001 L1712015-03 Air

				Collected by RS	Collected date/time 03/02/24 15:30	Received date/time 03/06/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2240685	1	03/06/24 13:03	03/06/24 13:03	MNP	Mt. Juliet, TN

MTWA0301MC002 L1712015-04 Air

				Collected by RS	Collected date/time 03/02/24 14:52	Received date/time 03/06/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2240685	1	03/06/24 13:42	03/06/24 13:42	MNP	Mt. Juliet, TN

MTWA0301MC002CL L1712015-05 Air

				Collected by RS	Collected date/time 03/02/24 12:11	Received date/time 03/06/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2240685	1	03/06/24 14:20	03/06/24 14:20	MNP	Mt. Juliet, TN

MTWA0301MC003 L1712015-06 Air

				Collected by RS	Collected date/time 03/02/24 16:15	Received date/time 03/06/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2240685	1	03/06/24 14:59	03/06/24 14:59	MNP	Mt. Juliet, TN

MTWA0301MC004 L1712015-07 Air

				Collected by RS	Collected date/time 03/02/24 16:30	Received date/time 03/06/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2240685	1	03/06/24 15:37	03/06/24 15:37	MNP	Mt. Juliet, TN



CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2240685	Acetonitrile	L1712015-03, 04, 05, 06, 07
WG2241731	Acetonitrile	L1712015-02



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	
					ppbv	ppbv	ug/m3	ppbv	ug/m3				¹ Cp
MTWA0229MC003	L1712015-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	7.77	18.5		1	WG2241731	² Tc
MTWA0229MC003	L1712015-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	4.53	7.61	J	1	WG2241731	
MTWA0229MC003	L1712015-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.176	0.562	J	1	WG2241731	³ Ss
MTWA0229MC003	L1712015-01	Butane	106-97-8	58	0.0522	0.200	0.474	3.56	8.44		1	WG2241731	
MTWA0229MC003	L1712015-01	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0760	0.479	J	1	WG2241731	⁴ Cn
MTWA0229MC003	L1712015-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.730	1.51		1	WG2241731	
MTWA0229MC003	L1712015-01	n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.129	0.751	J	1	WG2241731	⁵ Ds
MTWA0229MC003	L1712015-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	60.3	114		1	WG2241731	
MTWA0229MC003	L1712015-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.236	1.33		1	WG2241731	
MTWA0229MC003	L1712015-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.524	2.59		1	WG2241731	⁶ Sr
MTWA0229MC003	L1712015-01	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.561	1.98	J	1	WG2241731	
MTWA0229MC003	L1712015-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.851	2.96		1	WG2241731	⁷ Qc
MTWA0229MC003	L1712015-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.325	0.958	J	1	WG2241731	
MTWA0229MC003	L1712015-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.34	3.95		1	WG2241731	
MTWA0229MC003	L1712015-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	15.3	37.6		1	WG2241731	⁸ Gl
MTWA0229MC003	L1712015-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.673	2.54		1	WG2241731	
MTWA0229MC004	L1712015-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.43	8.15		1	WG2241731	⁹ Al
MTWA0229MC004	L1712015-02	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.26	2.12	B J	1	WG2241731	
MTWA0229MC004	L1712015-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.183	0.585	J	1	WG2241731	
MTWA0229MC004	L1712015-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.995	2.36		1	WG2241731	¹⁰ Sc
MTWA0229MC004	L1712015-02	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0828	0.522	J	1	WG2241731	
MTWA0229MC004	L1712015-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.714	1.47		1	WG2241731	
MTWA0229MC004	L1712015-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	14.2	26.8		1	WG2241731	
MTWA0229MC004	L1712015-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.245	1.38		1	WG2241731	
MTWA0229MC004	L1712015-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.530	2.62		1	WG2241731	
MTWA0229MC004	L1712015-02	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0834	0.639	J	1	WG2241731	
MTWA0229MC004	L1712015-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.396	1.38		1	WG2241731	
MTWA0229MC004	L1712015-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.253	0.746	J	1	WG2241731	
MTWA0229MC004	L1712015-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.711	2.10		1	WG2241731	
MTWA0229MC004	L1712015-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.24	5.51		1	WG2241731	
MTWA0301MC001	L1712015-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.02	4.80		1	WG2240685	
MTWA0301MC001	L1712015-03	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.951	1.60	B J	1	WG2240685	
MTWA0301MC001	L1712015-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.153	0.489	J	1	WG2240685	
MTWA0301MC001	L1712015-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.912	2.16		1	WG2240685	
MTWA0301MC001	L1712015-03	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.102	0.642	J	1	WG2240685	
MTWA0301MC001	L1712015-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.610	1.26		1	WG2240685	
MTWA0301MC001	L1712015-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	9.00	17.0		1	WG2240685	
MTWA0301MC001	L1712015-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.240	1.35		1	WG2240685	
MTWA0301MC001	L1712015-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.467	2.31		1	WG2240685	
MTWA0301MC001	L1712015-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.265	0.920		1	WG2240685	
MTWA0301MC001	L1712015-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.12	3.31		1	WG2240685	
MTWA0301MC001	L1712015-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.688	1.69	J	1	WG2240685	
MTWA0301MC001	L1712015-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.330	1.24	J	1	WG2240685	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch	
MTWA0301MC002	L1712015-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.72	8.84		1	WG224068	¹ Cp
MTWA0301MC002	L1712015-04	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.790	1.33	B J	1	WG224068	² Tc
MTWA0301MC002	L1712015-04	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	9.27	20.1		1	WG224068	³ Ss
MTWA0301MC002	L1712015-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.208	0.664		1	WG224068	⁴ Cn
MTWA0301MC002	L1712015-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.454	1.08		1	WG224068	⁵ Ds
MTWA0301MC002	L1712015-04	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0888	0.559	J	1	WG224068	⁶ Sr
MTWA0301MC002	L1712015-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.636	1.31		1	WG224068	⁷ Qc
MTWA0301MC002	L1712015-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	15.7	29.6		1	WG224068	⁸ Gl
MTWA0301MC002	L1712015-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.242	1.36		1	WG224068	⁹ Al
MTWA0301MC002	L1712015-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.465	2.30		1	WG224068	¹⁰ Sc
MTWA0301MC002	L1712015-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.256	0.889		1	WG224068	
MTWA0301MC002	L1712015-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.359	1.06	J	1	WG224068	
MTWA0301MC002	L1712015-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.328	0.968		1	WG224068	
MTWA0301MC002	L1712015-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.80	6.88		1	WG224068	
MTWA0301MC002	L1712015-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.45	5.46		1	WG224068	
MTWA0301MC002CL	L1712015-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.00	7.13		1	WG224068	
MTWA0301MC002CL	L1712015-05	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.782	1.31	B J	1	WG224068	
MTWA0301MC002CL	L1712015-05	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	6.08	13.2		1	WG224068	
MTWA0301MC002CL	L1712015-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.202	0.645		1	WG224068	
MTWA0301MC002CL	L1712015-05	Butane	106-97-8	58	0.0522	0.200	0.474	0.425	1.01		1	WG224068	
MTWA0301MC002CL	L1712015-05	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0871	0.549	J	1	WG224068	
MTWA0301MC002CL	L1712015-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.625	1.29		1	WG224068	
MTWA0301MC002CL	L1712015-05	1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	0.0804	0.483	J	1	WG224068	
MTWA0301MC002CL	L1712015-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	13.5	25.5		1	WG224068	
MTWA0301MC002CL	L1712015-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.241	1.35		1	WG224068	
MTWA0301MC002CL	L1712015-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.452	2.24		1	WG224068	
MTWA0301MC002CL	L1712015-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.280	0.972		1	WG224068	
MTWA0301MC002CL	L1712015-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.322	0.950	J	1	WG224068	
MTWA0301MC002CL	L1712015-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.336	0.992		1	WG224068	
MTWA0301MC002CL	L1712015-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.80	6.88		1	WG224068	
MTWA0301MC002CL	L1712015-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.892	3.36		1	WG224068	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

												1 Cp	
			CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	2 Tc
Client ID	Lab Sample ID	Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3				
MTWA0301MC003	L1712015-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	9.45	22.5		1	WG224068	
MTWA0301MC003	L1712015-06	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.434	0.729	B J	1	WG224068	3 Ss
MTWA0301MC003	L1712015-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	1.17	3.74		1	WG224068	
MTWA0301MC003	L1712015-06	Butane	106-97-8	58	0.0522	0.200	0.474	0.433	1.03		1	WG224068	4 Cn
MTWA0301MC003	L1712015-06	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.112	0.349	J	1	WG224068	5 Ds
MTWA0301MC003	L1712015-06	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.839	2.21		1	WG224068	
MTWA0301MC003	L1712015-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	2.55	5.27		1	WG224068	6 Sr
MTWA0301MC003	L1712015-06	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.137	0.472	J	1	WG224068	7 Qc
MTWA0301MC003	L1712015-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	22.5	42.4		1	WG224068	
MTWA0301MC003	L1712015-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.233	1.31		1	WG224068	8 Gl
MTWA0301MC003	L1712015-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.473	2.34		1	WG224068	9 Al
MTWA0301MC003	L1712015-06	1,1,2-Trichlorotrifluoroetha ne	76-13-1	187.40	0.0793	0.200	1.53	0.0797	0.611	J	1	WG224068	
MTWA0301MC003	L1712015-06	Heptane	142-82-5	100	0.104	0.200	0.818	0.177	0.724	J	1	WG224068	10 Sc
MTWA0301MC003	L1712015-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.263	0.913		1	WG224068	
MTWA0301MC003	L1712015-06	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.434	1.28	J	1	WG224068	
MTWA0301MC003	L1712015-06	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.257	0.758		1	WG224068	
MTWA0301MC003	L1712015-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.784	1.93	J	1	WG224068	
MTWA0301MC003	L1712015-06	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.04	7.68		1	WG224068	
MTWA0301MC003	L1712015-06	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.181	0.785	J	1	WG224068	
MTWA0301MC003	L1712015-06	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0828	0.359	J	1	WG224068	
MTWA0301MC004	L1712015-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	1.88	4.47		1	WG224068	
MTWA0301MC004	L1712015-07	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.794	1.33	B J	1	WG224068	
MTWA0301MC004	L1712015-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.184	0.588	J	1	WG224068	
MTWA0301MC004	L1712015-07	Butane	106-97-8	58	0.0522	0.200	0.474	0.541	1.28		1	WG224068	
MTWA0301MC004	L1712015-07	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0867	0.546	J	1	WG224068	
MTWA0301MC004	L1712015-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.649	1.34		1	WG224068	
MTWA0301MC004	L1712015-07	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.0832	0.287	J	1	WG224068	
MTWA0301MC004	L1712015-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.20	11.7		1	WG224068	
MTWA0301MC004	L1712015-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.240	1.35		1	WG224068	
MTWA0301MC004	L1712015-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.476	2.35		1	WG224068	
MTWA0301MC004	L1712015-07	1,1,2-Trichlorotrifluoroetha ne	76-13-1	187.40	0.0793	0.200	1.53	0.0806	0.618	J	1	WG224068	
MTWA0301MC004	L1712015-07	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.256	0.889		1	WG224068	
MTWA0301MC004	L1712015-07	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.192	0.566	J	1	WG224068	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch
					ppbv	ppbv	ug/m3	ppbv	ug/m3			
MTWA0301MC004	L1712015-07	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.210	0.620		1	WG2240685
MTWA0301MC004	L1712015-07	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.688	1.69	J	1	WG2240685
MTWA0301MC004	L1712015-07	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.449	1.69	J	1	WG2240685

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	7.77	18.5		1	WG2241731
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	4.53	7.61	J	1	WG2241731
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2241731
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2241731
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.176	0.562	J	1	WG2241731
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2241731
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2241731
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2241731
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2241731
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2241731
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2241731
Butane	106-97-8	58	0.0522	0.200	0.474	3.56	8.44		1	WG2241731
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2241731
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0760	0.479	J	1	WG2241731
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2241731
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2241731
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2241731
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.730	1.51		1	WG2241731
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2241731
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2241731
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.129	0.751	J	1	WG2241731
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2241731
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2241731
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2241731
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2241731
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2241731
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2241731
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2241731
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2241731
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2241731
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2241731
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2241731
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2241731
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2241731
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2241731
Ethanol	64-17-5	46.10	0.265	2.50	4.71	60.3	114		1	WG2241731
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2241731
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2241731
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.236	1.33		1	WG2241731
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.524	2.59		1	WG2241731
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2241731
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2241731
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2241731
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2241731
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.561	1.98	J	1	WG2241731
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2241731
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.851	2.96		1	WG2241731
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2241731
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.325	0.958	J	1	WG2241731
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2241731
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2241731
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2241731
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2241731
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2241731
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.34	3.95		1	WG2241731
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	15.3	37.6		1	WG2241731



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2241731
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2241731
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2241731
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2241731
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2241731
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.673	2.54		1	WG2241731
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2241731
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2241731
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2241731
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2241731
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2241731
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2241731
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2241731
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2241731
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2241731
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2241731
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2241731
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2241731
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		99.0				WG2241731

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.43	8.15		1	WG2241731
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.26	2.12	B J	1	WG2241731
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2241731
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2241731
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.183	0.585	J	1	WG2241731
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2241731
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2241731
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2241731
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2241731
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2241731
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2241731
Butane	106-97-8	58	0.0522	0.200	0.474	0.995	2.36		1	WG2241731
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2241731
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0828	0.522	J	1	WG2241731
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2241731
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2241731
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2241731
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.714	1.47		1	WG2241731
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2241731
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2241731
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2241731
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2241731
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2241731
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2241731
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2241731
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2241731
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2241731
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2241731
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2241731
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2241731
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2241731
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2241731
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2241731
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2241731
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2241731
Ethanol	64-17-5	46.10	0.265	2.50	4.71	14.2	26.8		1	WG2241731
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2241731
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2241731
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.245	1.38		1	WG2241731
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.530	2.62		1	WG2241731
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0834	0.639	J	1	WG2241731
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2241731
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2241731
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2241731
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2241731
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2241731
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.396	1.38		1	WG2241731
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2241731
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.253	0.746	J	1	WG2241731
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2241731
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2241731
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2241731
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2241731
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2241731
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.711	2.10		1	WG2241731
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.24	5.51		1	WG2241731

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2241731
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2241731
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2241731
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2241731
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2241731
Toluene	108-88-3	92.10	0.0870	0.500	1.88	U	U		1	WG2241731
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2241731
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2241731
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2241731
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2241731
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2241731
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2241731
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2241731
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2241731
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2241731
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2241731
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2241731
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2241731
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		99.0				WG2241731

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.02	4.80		1	WG2240685
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.951	1.60	B J	1	WG2240685
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2240685
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2240685
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.153	0.489	J	1	WG2240685
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2240685
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2240685
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2240685
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2240685
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2240685
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2240685
Butane	106-97-8	58	0.0522	0.200	0.474	0.912	2.16		1	WG2240685
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2240685
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.102	0.642	J	1	WG2240685
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2240685
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2240685
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2240685
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.610	1.26		1	WG2240685
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2240685
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2240685
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2240685
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2240685
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2240685
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2240685
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2240685
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2240685
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2240685
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2240685
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2240685
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2240685
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2240685
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2240685
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2240685
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2240685
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2240685
Ethanol	64-17-5	46.10	0.265	2.50	4.71	9.00	17.0		1	WG2240685
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2240685
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2240685
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.240	1.35		1	WG2240685
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.467	2.31		1	WG2240685
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2240685
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2240685
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2240685
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2240685
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2240685
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2240685
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.265	0.920		1	WG2240685
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2240685
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2240685
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2240685
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2240685
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2240685
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2240685
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2240685
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.12	3.31		1	WG2240685
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.688	1.69	J	1	WG2240685



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2240685
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2240685
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2240685
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2240685
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2240685
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.330	1.24	J	1	WG2240685
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2240685
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2240685
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2240685
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2240685
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2240685
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2240685
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2240685
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2240685
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2240685
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2240685
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2240685
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2240685
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.4				WG2240685

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.72	8.84		1	WG2240685
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.790	1.33	B J	1	WG2240685
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	9.27	20.1		1	WG2240685
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2240685
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.208	0.664		1	WG2240685
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2240685
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2240685
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2240685
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2240685
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2240685
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2240685
Butane	106-97-8	58	0.0522	0.200	0.474	0.454	1.08		1	WG2240685
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2240685
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0888	0.559	J	1	WG2240685
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2240685
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2240685
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2240685
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.636	1.31		1	WG2240685
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2240685
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2240685
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2240685
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2240685
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2240685
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2240685
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2240685
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2240685
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2240685
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2240685
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2240685
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2240685
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2240685
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2240685
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2240685
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2240685
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2240685
Ethanol	64-17-5	46.10	0.265	2.50	4.71	15.7	29.6		1	WG2240685
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2240685
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2240685
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.242	1.36		1	WG2240685
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.465	2.30		1	WG2240685
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2240685
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2240685
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2240685
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2240685
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2240685
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2240685
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.256	0.889		1	WG2240685
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2240685
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.359	1.06	J	1	WG2240685
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2240685
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2240685
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2240685
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2240685
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2240685
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.328	0.968		1	WG2240685
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.80	6.88		1	WG2240685



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2240685
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2240685
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2240685
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2240685
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2240685
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.45	5.46		1	WG2240685
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2240685
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2240685
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2240685
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2240685
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2240685
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2240685
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2240685
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2240685
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2240685
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2240685
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2240685
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2240685
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		96.0				WG2240685

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.00	7.13		1	WG2240685
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.782	1.31	B J	1	WG2240685
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	6.08	13.2		1	WG2240685
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2240685
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.202	0.645		1	WG2240685
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2240685
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2240685
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2240685
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2240685
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2240685
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2240685
Butane	106-97-8	58	0.0522	0.200	0.474	0.425	1.01		1	WG2240685
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2240685
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0871	0.549	J	1	WG2240685
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2240685
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2240685
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2240685
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.625	1.29		1	WG2240685
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2240685
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2240685
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2240685
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2240685
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2240685
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2240685
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2240685
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	0.0804	0.483	J	1	WG2240685
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2240685
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2240685
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2240685
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2240685
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2240685
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2240685
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2240685
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2240685
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2240685
Ethanol	64-17-5	46.10	0.265	2.50	4.71	13.5	25.5		1	WG2240685
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2240685
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2240685
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.241	1.35		1	WG2240685
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.452	2.24		1	WG2240685
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2240685
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2240685
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2240685
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2240685
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2240685
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2240685
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.280	0.972		1	WG2240685
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2240685
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.322	0.950	J	1	WG2240685
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2240685
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2240685
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2240685
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2240685
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2240685
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.336	0.992		1	WG2240685
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.80	6.88		1	WG2240685



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2240685
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2240685
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2240685
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2240685
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2240685
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.892	3.36		1	WG2240685
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2240685
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2240685
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2240685
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2240685
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2240685
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2240685
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2240685
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2240685
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2240685
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2240685
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2240685
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2240685
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.7				WG2240685



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	9.45	22.5		1	WG2240685
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.434	0.729	B J	1	WG2240685
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2240685
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2240685
Benzene	71-43-2	78.10	0.0715	0.200	0.639	1.17	3.74		1	WG2240685
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2240685
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2240685
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2240685
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2240685
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2240685
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2240685
Butane	106-97-8	58	0.0522	0.200	0.474	0.433	1.03		1	WG2240685
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.112	0.349	J	1	WG2240685
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2240685
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2240685
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.839	2.21		1	WG2240685
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2240685
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	2.55	5.27		1	WG2240685
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2240685
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.137	0.472	J	1	WG2240685
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2240685
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2240685
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2240685
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2240685
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2240685
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2240685
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2240685
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2240685
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2240685
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2240685
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2240685
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2240685
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2240685
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2240685
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2240685
Ethanol	64-17-5	46.10	0.265	2.50	4.71	22.5	42.4		1	WG2240685
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2240685
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2240685
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.233	1.31		1	WG2240685
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.473	2.34		1	WG2240685
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0797	0.611	J	1	WG2240685
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2240685
Heptane	142-82-5	100	0.104	0.200	0.818	0.177	0.724	J	1	WG2240685
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2240685
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2240685
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2240685
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.263	0.913		1	WG2240685
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2240685
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.434	1.28	J	1	WG2240685
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2240685
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2240685
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2240685
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2240685
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2240685
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.257	0.758		1	WG2240685
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.784	1.93	J	1	WG2240685



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2240685
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2240685
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2240685
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2240685
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2240685
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.04	7.68		1	WG2240685
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2240685
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2240685
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2240685
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2240685
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2240685
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2240685
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2240685
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2240685
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2240685
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2240685
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.181	0.785	U	1	WG2240685
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0828	0.359	U	1	WG2240685
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		93.7				WG2240685



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	1.88	4.47		1	WG2240685
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.794	1.33	B J	1	WG2240685
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2240685
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2240685
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.184	0.588	J	1	WG2240685
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2240685
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2240685
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2240685
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2240685
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2240685
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2240685
Butane	106-97-8	58	0.0522	0.200	0.474	0.541	1.28		1	WG2240685
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2240685
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0867	0.546	J	1	WG2240685
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2240685
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2240685
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2240685
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.649	1.34		1	WG2240685
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2240685
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.0832	0.287	J	1	WG2240685
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2240685
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2240685
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2240685
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2240685
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2240685
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2240685
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2240685
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2240685
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2240685
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2240685
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2240685
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2240685
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2240685
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2240685
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2240685
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.20	11.7		1	WG2240685
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2240685
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2240685
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.240	1.35		1	WG2240685
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.476	2.35		1	WG2240685
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0806	0.618	J	1	WG2240685
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2240685
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2240685
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2240685
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2240685
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2240685
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.256	0.889		1	WG2240685
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2240685
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.192	0.566	J	1	WG2240685
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2240685
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2240685
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2240685
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2240685
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2240685
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.210	0.620		1	WG2240685
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.688	1.69	J	1	WG2240685



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2240685
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2240685
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2240685
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2240685
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2240685
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.449	1.69	J	1	WG2240685
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2240685
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2240685
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2240685
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2240685
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2240685
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2240685
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2240685
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2240685
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2240685
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2240685
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2240685
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2240685
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.3				WG2240685



Method Blank (MB)

(MB) R4042357-3 03/06/24 10:06

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	0.456	U	0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.458	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4042357-3 03/06/24 10:06

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	96.4			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4042357-1 03/06/24 08:49 • (LCSD) R4042357-2 03/06/24 09:28

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.08	4.10	109	109	70.0-130			0.489	25
Acetonitrile	18.8	19.6	19.7	104	105	70.0-130			0.509	25
Acrylonitrile	3.75	3.97	3.94	106	105	70.0-130			0.759	25
Allyl chloride	3.75	3.78	3.83	101	102	70.0-130			1.31	25
Benzene	3.75	4.10	4.10	109	109	70.0-130			0.000	25
Benzyl Chloride	3.75	4.04	4.09	108	109	70.0-152			1.23	25
Bromodichloromethane	3.75	4.07	4.11	109	110	70.0-130			0.978	25
Bromoform	3.75	4.15	4.16	111	111	70.0-130			0.241	25
Bromomethane	3.75	3.72	3.70	99.2	98.7	70.0-130			0.539	25
Bromoethane	3.75	4.05	4.07	108	109	70.0-130			0.493	25
1,3-Butadiene	3.75	3.81	3.75	102	100	70.0-130			1.59	25
Butane	3.75	3.90	3.98	104	106	70.0-130			2.03	25
Carbon disulfide	3.75	3.88	3.94	103	105	70.0-130			1.53	25
Carbon tetrachloride	3.75	4.16	4.21	111	112	70.0-130			1.19	25
Chlorobenzene	3.75	4.07	4.16	109	111	70.0-130			2.19	25
Chloroethane	3.75	3.88	4.01	103	107	70.0-130			3.30	25
Chloroform	3.75	4.09	4.13	109	110	70.0-130			0.973	25
Chloromethane	3.75	3.84	3.94	102	105	70.0-130			2.57	25
2-Chlorotoluene	3.75	4.02	4.02	107	107	70.0-130			0.000	25
Cyclohexane	3.75	4.13	4.06	110	108	70.0-130			1.71	25
n-Decane	3.75	3.90	3.90	104	104	70.0-130			0.000	25
Dibromochloromethane	3.75	4.17	4.15	111	111	70.0-130			0.481	25
1,2-Dibromoethane	3.75	4.11	4.16	110	111	70.0-130			1.21	25
1,2-Dichlorobenzene	3.75	3.89	3.95	104	105	70.0-130			1.53	25
1,3-Dichlorobenzene	3.75	3.95	3.95	105	105	70.0-130			0.000	25
1,4-Dichlorobenzene	3.75	3.95	3.97	105	106	70.0-130			0.505	25
1,2-Dichloroethane	3.75	4.05	4.12	108	110	70.0-130			1.71	25
1,1-Dichloroethane	3.75	4.11	4.05	110	108	70.0-130			1.47	25
1,1-Dichloroethene	3.75	4.05	3.98	108	106	70.0-130			1.74	25
cis-1,2-Dichloroethene	3.75	4.08	4.05	109	108	70.0-130			0.738	25
trans-1,2-Dichloroethene	3.75	4.09	4.09	109	109	70.0-130			0.000	25
1,2-Dichloropropane	3.75	4.04	4.10	108	109	70.0-130			1.47	25
cis-1,3-Dichloropropene	3.75	4.00	4.02	107	107	70.0-130			0.499	25
trans-1,3-Dichloropropene	3.75	4.08	3.99	109	106	70.0-130			2.23	25
1,4-Dioxane	3.75	4.03	4.04	107	108	70.0-140			0.248	25
Ethanol	3.75	3.58	3.63	95.5	96.8	55.0-148			1.39	25
Ethylbenzene	3.75	4.11	4.14	110	110	70.0-130			0.727	25
4-Ethyltoluene	3.75	3.95	3.92	105	105	70.0-130			0.762	25
Trichlorofluoromethane	3.75	4.21	4.20	112	112	70.0-130			0.238	25
Dichlorodifluoromethane	3.75	4.06	4.08	108	109	64.0-139			0.491	25

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4042357-1 03/06/24 08:49 • (LCSD) R4042357-2 03/06/24 09:28

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.10	4.12	109	110	70.0-130			0.487	25
1,2-Dichlorotetrafluoroethane	3.75	4.10	4.10	109	109	70.0-130			0.000	25
Heptane	3.75	3.97	4.05	106	108	70.0-130			2.00	25
Hexachloro-1,3-butadiene	3.75	4.24	4.22	113	113	70.0-151			0.473	25
n-Hexane	3.75	4.07	4.06	109	108	70.0-130			0.246	25
Isopropylbenzene	3.75	4.14	4.03	110	107	70.0-130			2.69	25
Methylene Chloride	3.75	4.06	4.00	108	107	70.0-130			1.49	25
Methyl Butyl Ketone	3.75	4.43	4.32	118	115	70.0-149			2.51	25
2-Butanone (MEK)	3.75	4.10	4.02	109	107	70.0-130			1.97	25
4-Methyl-2-pentanone (MIBK)	3.75	4.19	4.21	112	112	70.0-139			0.476	25
Methyl methacrylate	3.75	3.94	4.01	105	107	70.0-130			1.76	25
MTBE	3.75	4.03	4.06	107	108	70.0-130			0.742	25
Naphthalene	3.75	4.25	4.32	113	115	70.0-159			1.63	25
Nonane	3.75	3.86	3.87	103	103	70.0-130			0.259	25
Pentane	3.75	4.08	4.03	109	107	70.0-130			1.23	25
2-Propanol	3.75	3.84	3.85	102	103	70.0-139			0.260	25
Propene	3.75	3.47	3.71	92.5	98.9	64.0-144			6.69	25
Styrene	3.75	4.04	4.10	108	109	70.0-130			1.47	25
1,1,2,2-Tetrachloroethane	3.75	3.89	3.87	104	103	70.0-130			0.515	25
Tetrachloroethylene	3.75	4.16	4.14	111	110	70.0-130			0.482	25
Tetrahydrofuran	3.75	3.85	4.00	103	107	70.0-137			3.82	25
Toluene	3.75	4.05	4.09	108	109	70.0-130			0.983	25
1,2,4-Trichlorobenzene	3.75	4.23	4.18	113	111	70.0-160			1.19	25
1,1,1-Trichloroethane	3.75	4.13	4.11	110	110	70.0-130			0.485	25
1,1,2-Trichloroethane	3.75	4.13	4.08	110	109	70.0-130			1.22	25
Trichloroethylene	3.75	4.09	4.09	109	109	70.0-130			0.000	25
1,2,4-Trimethylbenzene	3.75	3.97	3.98	106	106	70.0-130			0.252	25
1,3,5-Trimethylbenzene	3.75	3.95	3.91	105	104	70.0-130			1.02	25
2,2,4-Trimethylpentane	3.75	4.12	4.16	110	111	70.0-130			0.966	25
Vinyl chloride	3.75	3.95	3.96	105	106	70.0-130			0.253	25
Vinyl Bromide	3.75	4.12	3.99	110	106	70.0-130			3.21	25
Vinyl acetate	3.75	3.97	4.05	106	108	70.0-130			2.00	25
m&p-Xylene	7.50	8.28	8.47	110	113	70.0-130			2.27	25
o-Xylene	3.75	4.03	4.08	107	109	70.0-130			1.23	25
(S) 1,4-Bromofluorobenzene				96.7	96.2	60.0-140				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4042764-3 03/07/24 10:17

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	0.423	U	0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4042764-3 03/07/24 10:17

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	96.8			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4042764-1 03/07/24 08:59 • (LCSD) R4042764-2 03/07/24 09:39

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.58	3.56	95.5	94.9	70.0-130			0.560	25
Acetonitrile	18.8	17.7	17.2	94.1	91.5	70.0-130			2.87	25
Acrylonitrile	3.75	3.67	3.60	97.9	96.0	70.0-130			1.93	25
Allyl chloride	3.75	3.51	3.56	93.6	94.9	70.0-130			1.41	25
Benzene	3.75	3.68	3.67	98.1	97.9	70.0-130			0.272	25
Benzyl Chloride	3.75	3.96	3.88	106	103	70.0-152			2.04	25
Bromodichloromethane	3.75	3.68	3.66	98.1	97.6	70.0-130			0.545	25
Bromoform	3.75	3.46	3.39	92.3	90.4	70.0-130			2.04	25
Bromomethane	3.75	3.66	3.57	97.6	95.2	70.0-130			2.49	25
Bromoethane	3.75	3.72	3.61	99.2	96.3	70.0-130			3.00	25
1,3-Butadiene	3.75	3.46	3.37	92.3	89.9	70.0-130			2.64	25
Butane	3.75	3.51	3.41	93.6	90.9	70.0-130			2.89	25
Carbon disulfide	3.75	3.81	3.74	102	99.7	70.0-130			1.85	25
Carbon tetrachloride	3.75	3.68	3.61	98.1	96.3	70.0-130			1.92	25
Chlorobenzene	3.75	3.76	3.73	100	99.5	70.0-130			0.801	25
Chloroethane	3.75	3.66	3.60	97.6	96.0	70.0-130			1.65	25
Chloroform	3.75	3.66	3.61	97.6	96.3	70.0-130			1.38	25
Chloromethane	3.75	3.54	3.48	94.4	92.8	70.0-130			1.71	25
2-Chlorotoluene	3.75	3.79	3.76	101	100	70.0-130			0.795	25
Cyclohexane	3.75	3.65	3.67	97.3	97.9	70.0-130			0.546	25
n-Decane	3.75	3.77	3.71	101	98.9	70.0-130			1.60	25
Dibromochloromethane	3.75	3.67	3.66	97.9	97.6	70.0-130			0.273	25
1,2-Dibromoethane	3.75	3.71	3.71	98.9	98.9	70.0-130			0.000	25
1,2-Dichlorobenzene	3.75	3.85	3.78	103	101	70.0-130			1.83	25
1,3-Dichlorobenzene	3.75	3.87	3.82	103	102	70.0-130			1.30	25
1,4-Dichlorobenzene	3.75	3.93	3.86	105	103	70.0-130			1.80	25
1,2-Dichloroethane	3.75	3.67	3.58	97.9	95.5	70.0-130			2.48	25
1,1-Dichloroethane	3.75	3.66	3.63	97.6	96.8	70.0-130			0.823	25
1,1-Dichloroethene	3.75	3.69	3.67	98.4	97.9	70.0-130			0.543	25
cis-1,2-Dichloroethene	3.75	3.64	3.68	97.1	98.1	70.0-130			1.09	25
trans-1,2-Dichloroethene	3.75	3.72	3.66	99.2	97.6	70.0-130			1.63	25
1,2-Dichloropropane	3.75	3.55	3.60	94.7	96.0	70.0-130			1.40	25
cis-1,3-Dichloropropene	3.75	3.57	3.56	95.2	94.9	70.0-130			0.281	25
trans-1,3-Dichloropropene	3.75	3.56	3.52	94.9	93.9	70.0-130			1.13	25
1,4-Dioxane	3.75	3.61	3.54	96.3	94.4	70.0-140			1.96	25
Ethanol	3.75	3.21	3.16	85.6	84.3	55.0-148			1.57	25
Ethylbenzene	3.75	3.66	3.62	97.6	96.5	70.0-130			1.10	25
4-Ethyltoluene	3.75	3.82	3.80	102	101	70.0-130			0.525	25
Trichlorofluoromethane	3.75	3.65	3.52	97.3	93.9	70.0-130			3.63	25
Dichlorodifluoromethane	3.75	3.66	3.76	97.6	100	64.0-139			2.70	25

¹Cp

²Tc

³Ss

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⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4042764-1 03/07/24 08:59 • (LCSD) R4042764-2 03/07/24 09:39

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.79	3.71	101	98.9	70.0-130			2.13	25
1,2-Dichlorotetrafluoroethane	3.75	3.81	3.72	102	99.2	70.0-130			2.39	25
Heptane	3.75	3.66	3.63	97.6	96.8	70.0-130			0.823	25
Hexachloro-1,3-butadiene	3.75	3.85	3.79	103	101	70.0-151			1.57	25
n-Hexane	3.75	3.72	3.67	99.2	97.9	70.0-130			1.35	25
Isopropylbenzene	3.75	3.68	3.67	98.1	97.9	70.0-130			0.272	25
Methylene Chloride	3.75	3.59	3.50	95.7	93.3	70.0-130			2.54	25
Methyl Butyl Ketone	3.75	3.51	3.51	93.6	93.6	70.0-149			0.000	25
2-Butanone (MEK)	3.75	3.66	3.53	97.6	94.1	70.0-130			3.62	25
4-Methyl-2-pentanone (MIBK)	3.75	3.51	3.50	93.6	93.3	70.0-139			0.285	25
Methyl methacrylate	3.75	3.45	3.41	92.0	90.9	70.0-130			1.17	25
MTBE	3.75	3.70	3.67	98.7	97.9	70.0-130			0.814	25
Naphthalene	3.75	3.87	3.86	103	103	70.0-159			0.259	25
Nonane	3.75	3.49	3.46	93.1	92.3	70.0-130			0.863	25
Pentane	3.75	3.67	3.55	97.9	94.7	70.0-130			3.32	25
2-Propanol	3.75	3.50	3.50	93.3	93.3	70.0-139			0.000	25
Propene	3.75	3.15	3.13	84.0	83.5	64.0-144			0.637	25
Styrene	3.75	3.77	3.67	101	97.9	70.0-130			2.69	25
1,1,2,2-Tetrachloroethane	3.75	3.75	3.70	100	98.7	70.0-130			1.34	25
Tetrachloroethylene	3.75	3.70	3.62	98.7	96.5	70.0-130			2.19	25
Tetrahydrofuran	3.75	3.51	3.53	93.6	94.1	70.0-137			0.568	25
Toluene	3.75	3.73	3.68	99.5	98.1	70.0-130			1.35	25
1,2,4-Trichlorobenzene	3.75	3.81	3.75	102	100	70.0-160			1.59	25
1,1,1-Trichloroethane	3.75	3.72	3.64	99.2	97.1	70.0-130			2.17	25
1,1,2-Trichloroethane	3.75	3.62	3.61	96.5	96.3	70.0-130			0.277	25
Trichloroethylene	3.75	3.65	3.63	97.3	96.8	70.0-130			0.549	25
1,2,4-Trimethylbenzene	3.75	3.80	3.78	101	101	70.0-130			0.528	25
1,3,5-Trimethylbenzene	3.75	3.75	3.68	100	98.1	70.0-130			1.88	25
2,2,4-Trimethylpentane	3.75	3.72	3.72	99.2	99.2	70.0-130			0.000	25
Vinyl chloride	3.75	3.80	3.64	101	97.1	70.0-130			4.30	25
Vinyl Bromide	3.75	3.70	3.54	98.7	94.4	70.0-130			4.42	25
Vinyl acetate	3.75	3.65	3.51	97.3	93.6	70.0-130			3.91	25
m&p-Xylene	7.50	7.51	7.45	100	99.3	70.0-130			0.802	25
o-Xylene	3.75	3.69	3.63	98.4	96.8	70.0-130			1.64	25
(S) 1,4-Bromofluorobenzene				100	100	60.0-140				

1

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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.
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
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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





CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

F224

Send Report to: ahenault@cteh.com, mreilly@cteh.com, rsaldana@cteh.com
Company: CTEH, LLC
Address: 5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone: (501)801-8500
e-mail: labresults@cteh.com
Accounting: Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☐ Same Day ☒ Next Day

☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☒

Retain w/ storage fees after 2X hold time ☐

471205

Lab Contact Information	Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method				Matrix
											TO-15				
	MTWA0229MC003	28089	11445	2/29/2024	1615	3/01/2024	1615	-28	-2	RS	✓				A -01
	MTWA0229MC004	11094	7572	2/29/2024	1630	3/01/2024	1630	-28	-1	RS	✓				A -02
	MTWA0301MC001	28098	11635	3/01/2024	1530	3/02/2024	1530	-27	-4	RS	✓				A -03
	MTWA0301MC002	8138	23549	3/01/2024	1552	3/02/2024	1452	-28	-2	RS	✓				A -04
	MTWA0301MC002CL	15574	23555	3/01/2024	1552	3/02/2024	1211	-28	-2	RS	✓				A -05
	MTWA0301MC003	15586	29255	3/01/2024	1615	3/02/2024	1615	-29	-2	RS	✓				A -06
	MTWA0301MC004	14543	28604	3/01/2024	1630	3/02/2024	1630	-28	-3	RS	✓				A -07

MSA9 AMB
Sample Receipt Checklist
COC Seal Present/Intact: ☒ N ☐ Y ☐ Airs ☐
COC Signed/Accurate: ☒ N ☐ Y Size: ☒ 1L ☐ 6L ☐ 1.4L
Bottles arrive intact: ☒ N ☐ Y Tape Color: ☒ G ☐ W ☐ P ☐ B
Correct bottles used: ☒ N ☐ Y Tubing ☐ Shunt ☐
T/B#: _____
2.3.24

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Ruben Saldana	03/04/24 0910	Fedex	03/04/24 1000	Shipped
		Christopher Mallin	3/6/24 0900	

CTEH-ER: L1712017 and L1712015

BB

Brianna Brown

To:  Jared Starkey

Cc:  MTJL Air



Reply



Reply All



Forward



Wed 3/6/2024 11:22 AM

You replied to this message on 3/6/2024 11:28 AM.

Good morning,

For the sample 2017-04, the client and us recorded a pressure of 0" Hg. Please, can you delete this sample?
For the samples (2017-02, 05, 06, 07, 08) and (2015-01, 02, 04, 05, 06), we recorded pressures are 0"Hg. Please let us know if the client wishes not to proceed with the analysis.

Thanks,

Brianna Brown

Scientist 1

12065 Lebanon Road | Mt. Juliet, TN 37122

CTEH - ER

Sample Delivery Group: L1712017
Samples Received: 03/06/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

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

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SAMPLE SUMMARY

MTWA0228MC001 L1712017-01 Air

				Collected by RS	Collected date/time 02/29/24 15:30	Received date/time 03/06/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2240761	1	03/06/24 12:17	03/06/24 12:17	MNP	Mt. Juliet, TN

MTWA0228MC002 L1712017-02 Air

				Collected by RS	Collected date/time 02/29/24 15:52	Received date/time 03/06/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2240761	1	03/06/24 12:56	03/06/24 12:56	MNP	Mt. Juliet, TN

MTWA0228MC003 L1712017-03 Air

				Collected by RS	Collected date/time 02/29/24 16:15	Received date/time 03/06/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2240761	1	03/06/24 13:34	03/06/24 13:34	MNP	Mt. Juliet, TN

MTWA0228MC004 L1712017-05 Air

				Collected by RS	Collected date/time 02/29/24 11:18	Received date/time 03/06/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2240761	1	03/06/24 14:13	03/06/24 14:13	MNP	Mt. Juliet, TN

MTWA0228MC004CL L1712017-06 Air

				Collected by RS	Collected date/time 02/29/24 16:30	Received date/time 03/06/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2240761	1	03/06/24 14:51	03/06/24 14:51	MNP	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2241725	100	03/07/24 15:08	03/07/24 15:08	JAP	Mt. Juliet, TN

MTWA0229MC001 L1712017-07 Air

				Collected by RS	Collected date/time 03/01/24 15:30	Received date/time 03/06/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2240761	1	03/06/24 15:30	03/06/24 15:30	MNP	Mt. Juliet, TN

MTWA0229MC002 L1712017-08 Air

				Collected by RS	Collected date/time 03/01/24 13:52	Received date/time 03/06/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2240761	1	03/06/24 16:09	03/06/24 16:09	DBB	Mt. Juliet, TN



CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2240761	L1712017-03	Ethanol

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2240761	Acetonitrile	L1712017-01, 02, 05, 07, 08



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch	¹ Cp
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				² Tc
MTWA0228MC001	L1712017-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.14	14.6		1	WG2240761
MTWA0228MC001	L1712017-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.44	5.78	B J	1	WG2240761
MTWA0228MC001	L1712017-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.141	0.450	J	1	WG2240761
MTWA0228MC001	L1712017-01	Butane	106-97-8	58	0.0522	0.200	0.474	3.12	7.40		1	WG2240761
MTWA0228MC001	L1712017-01	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0889	0.560	J	1	WG2240761
MTWA0228MC001	L1712017-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.710	1.47		1	WG2240761
MTWA0228MC001	L1712017-01	n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.121	0.704	J	1	WG2240761
MTWA0228MC001	L1712017-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	47.6	89.7		1	WG2240761
MTWA0228MC001	L1712017-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.246	1.38		1	WG2240761
MTWA0228MC001	L1712017-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.537	2.66		1	WG2240761
MTWA0228MC001	L1712017-01	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0819	0.628	J	1	WG2240761
MTWA0228MC001	L1712017-01	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.304	1.07	J	1	WG2240761
MTWA0228MC001	L1712017-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	1.62	5.63		1	WG2240761
MTWA0228MC001	L1712017-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.204	0.602	J	1	WG2240761
MTWA0228MC001	L1712017-01	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.135	0.553	J	1	WG2240761
MTWA0228MC001	L1712017-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.58	4.66		1	WG2240761
MTWA0228MC001	L1712017-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	7.73	19.0		1	WG2240761
MTWA0228MC002	L1712017-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.52	5.99		1	WG2240761
MTWA0228MC002	L1712017-02	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.23	2.07	B J	1	WG2240761
MTWA0228MC002	L1712017-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.126	0.402	J	1	WG2240761
MTWA0228MC002	L1712017-02	Butane	106-97-8	58	0.0522	0.200	0.474	1.11	2.63		1	WG2240761
MTWA0228MC002	L1712017-02	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0781	0.492	J	1	WG2240761
MTWA0228MC002	L1712017-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.650	1.34		1	WG2240761
MTWA0228MC002	L1712017-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.8	20.4		1	WG2240761
MTWA0228MC002	L1712017-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.235	1.32		1	WG2240761
MTWA0228MC002	L1712017-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.560	2.77		1	WG2240761
MTWA0228MC002	L1712017-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.250	0.868		1	WG2240761
MTWA0228MC002	L1712017-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.165	0.487	J	1	WG2240761
MTWA0228MC002	L1712017-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	3.47	10.2		1	WG2240761
MTWA0228MC002	L1712017-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.32	3.24		1	WG2240761
MTWA0228MC002	L1712017-02	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.135	0.585	J	1	WG2240761
MTWA0228MC003	L1712017-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	11.3	26.9		1	WG2240761
MTWA0228MC003	L1712017-03	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	12.4	20.8		1	WG2240761
MTWA0228MC003	L1712017-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.129	0.412	J	1	WG2240761
MTWA0228MC003	L1712017-03	Butane	106-97-8	58	0.0522	0.200	0.474	3.92	9.30		1	WG2240761
MTWA0228MC003	L1712017-03	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0806	0.508	J	1	WG2240761
MTWA0228MC003	L1712017-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.734	1.52		1	WG2240761
MTWA0228MC003	L1712017-03	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.0974	0.335	J	1	WG2240761
MTWA0228MC003	L1712017-03	n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.264	1.54		1	WG2240761
MTWA0228MC003	L1712017-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	125	236	E	1	WG2240761
MTWA0228MC003	L1712017-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.248	1.39		1	WG2240761
MTWA0228MC003	L1712017-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.564	2.79		1	WG2240761
MTWA0228MC003	L1712017-03	Heptane	142-82-5	100	0.104	0.200	0.818	0.137	0.560	J	1	WG2240761
MTWA0228MC003	L1712017-03	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.55	5.46		1	WG2240761
MTWA0228MC003	L1712017-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	24.8	86.1		1	WG2240761
MTWA0228MC003	L1712017-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.274	0.808	J	1	WG2240761
MTWA0228MC003	L1712017-03	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.393	1.61	J	1	WG2240761
MTWA0228MC003	L1712017-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	4.74	14.0		1	WG2240761
MTWA0228MC003	L1712017-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	14.9	36.6		1	WG2240761
MTWA0228MC003	L1712017-03	Styrene	100-42-5	104	0.0788	0.200	0.851	0.0931	0.396	J	1	WG2240761
MTWA0228MC003	L1712017-03	Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	0.167	1.13	J	1	WG2240761
MTWA0228MC003	L1712017-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.13	4.26		1	WG2240761
MTWA0228MC003	L1712017-03	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.181	0.785	J	1	WG2240761

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch	
					ppbv	ppbv	ug/m3	ppbv	ug/m3				
MTWA0228MC004	L1712017-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	7.50	17.8		1	WG2240761	¹ Cp
MTWA0228MC004	L1712017-05	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.02	1.71	B J	1	WG2240761	² Tc
MTWA0228MC004	L1712017-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	1.10	3.51		1	WG2240761	³ Ss
MTWA0228MC004	L1712017-05	Butane	106-97-8	58	0.0522	0.200	0.474	0.549	1.30		1	WG2240761	
MTWA0228MC004	L1712017-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.675	1.39		1	WG2240761	⁴ Cn
MTWA0228MC004	L1712017-05	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.225	0.775		1	WG2240761	
MTWA0228MC004	L1712017-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	4.32	8.15		1	WG2240761	⁵ Ds
MTWA0228MC004	L1712017-05	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.166	0.720	J	1	WG2240761	
MTWA0228MC004	L1712017-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.243	1.37		1	WG2240761	
MTWA0228MC004	L1712017-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.555	2.74		1	WG2240761	⁶ Sr
MTWA0228MC004	L1712017-05	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0798	0.612	J	1	WG2240761	
MTWA0228MC004	L1712017-05	Heptane	142-82-5	100	0.104	0.200	0.818	0.571	2.34		1	WG2240761	⁷ Qc
MTWA0228MC004	L1712017-05	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.625	2.20	J	1	WG2240761	
MTWA0228MC004	L1712017-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.237	0.823		1	WG2240761	⁸ Gl
MTWA0228MC004	L1712017-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.748	2.21	J	1	WG2240761	
MTWA0228MC004	L1712017-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.630	1.86		1	WG2240761	⁹ Al
MTWA0228MC004	L1712017-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.318	0.782	J	1	WG2240761	
MTWA0228MC004	L1712017-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	3.49	13.1		1	WG2240761	¹⁰ Sc
MTWA0228MC004	L1712017-05	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.149	0.731	J	1	WG2240761	
MTWA0228MC004	L1712017-05	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.77	7.67		1	WG2240761	
MTWA0228MC004	L1712017-05	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.435	1.89		1	WG2240761	
MTWA0228MC004CL	L1712017-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	19.3	45.9		1	WG2240761	
MTWA0228MC004CL	L1712017-06	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	6.69	11.2		1	WG2240761	
MTWA0228MC004CL	L1712017-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.400	1.28		1	WG2240761	
MTWA0228MC004CL	L1712017-06	Butane	106-97-8	58	0.0522	0.200	0.474	2.22	5.27		1	WG2240761	
MTWA0228MC004CL	L1712017-06	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0753	0.474	J	1	WG2240761	
MTWA0228MC004CL	L1712017-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.779	1.61		1	WG2240761	
MTWA0228MC004CL	L1712017-06	Cyclohexane	110-82-7	84.20	7.53	20.0	68.9	2540	8750		100	WG2241725	
MTWA0228MC004CL	L1712017-06	n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.220	1.28		1	WG2240761	
MTWA0228MC004CL	L1712017-06	trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.0910	0.361	J	1	WG2240761	
MTWA0228MC004CL	L1712017-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	85.2	161		1	WG2240761	
MTWA0228MC004CL	L1712017-06	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.198	0.858	J	1	WG2240761	
MTWA0228MC004CL	L1712017-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.250	1.40		1	WG2240761	
MTWA0228MC004CL	L1712017-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.553	2.73		1	WG2240761	
MTWA0228MC004CL	L1712017-06	Heptane	142-82-5	100	0.104	0.200	0.818	1.47	6.01		1	WG2240761	
MTWA0228MC004CL	L1712017-06	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	10.5	37.0		1	WG2240761	
MTWA0228MC004CL	L1712017-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	30.9	107		1	WG2240761	
MTWA0228MC004CL	L1712017-06	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	8.18	24.1		1	WG2240761	
MTWA0228MC004CL	L1712017-06	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.232	0.950	J	1	WG2240761	
MTWA0228MC004CL	L1712017-06	Pentane	109-66-0	72.15	0.0503	0.200	0.590	55.2	163		1	WG2240761	
MTWA0228MC004CL	L1712017-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	26.3	64.6		1	WG2240761	
MTWA0228MC004CL	L1712017-06	Styrene	100-42-5	104	0.0788	0.200	0.851	0.377	1.60		1	WG2240761	
MTWA0228MC004CL	L1712017-06	Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	0.283	1.92		1	WG2240761	
MTWA0228MC004CL	L1712017-06	Toluene	108-88-3	92.10	0.0870	0.500	1.88	9.89	37.3		1	WG2240761	
MTWA0228MC004CL	L1712017-06	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.165	0.810	J	1	WG2240761	
MTWA0228MC004CL	L1712017-06	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.578	2.51		1	WG2240761	
MTWA0228MC004CL	L1712017-06	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.236	1.02		1	WG2240761	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch	
					ppbv	ppbv	ug/m3	ppbv	ug/m3				¹ Cp
MTWA0229MC001	L1712017-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.82	11.5		1	WG2240761	² Tc
MTWA0229MC001	L1712017-07	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.758	1.27	B J	1	WG2240761	³ Ss
MTWA0229MC001	L1712017-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.204	0.652		1	WG2240761	⁴ Cn
MTWA0229MC001	L1712017-07	Butane	106-97-8	58	0.0522	0.200	0.474	0.590	1.40		1	WG2240761	⁵ Ds
MTWA0229MC001	L1712017-07	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0819	0.516	J	1	WG2240761	⁶ Sr
MTWA0229MC001	L1712017-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.674	1.39	J	1	WG2240761	⁷ Qc
MTWA0229MC001	L1712017-07	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.0943	0.325	J	1	WG2240761	⁸ Gl
MTWA0229MC001	L1712017-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.9	20.6		1	WG2240761	⁹ Al
MTWA0229MC001	L1712017-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.251	1.41		1	WG2240761	¹⁰ Sc
MTWA0229MC001	L1712017-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.559	2.76		1	WG2240761	
MTWA0229MC001	L1712017-07	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0826	0.633	J	1	WG2240761	
MTWA0229MC001	L1712017-07	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.315	1.09		1	WG2240761	
MTWA0229MC001	L1712017-07	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.387	1.14	J	1	WG2240761	
MTWA0229MC001	L1712017-07	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.360	1.06		1	WG2240761	
MTWA0229MC001	L1712017-07	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.00	2.46	J	1	WG2240761	
MTWA0229MC002	L1712017-08	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.28	14.9		1	WG2240761	
MTWA0229MC002	L1712017-08	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.817	1.37	B J	1	WG2240761	
MTWA0229MC002	L1712017-08	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.172	0.549	J	1	WG2240761	
MTWA0229MC002	L1712017-08	Butane	106-97-8	58	0.0522	0.200	0.474	0.509	1.21		1	WG2240761	
MTWA0229MC002	L1712017-08	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0826	0.520	J	1	WG2240761	
MTWA0229MC002	L1712017-08	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.683	1.41		1	WG2240761	
MTWA0229MC002	L1712017-08	Ethanol	64-17-5	46.10	0.265	2.50	4.71	12.5	23.6		1	WG2240761	
MTWA0229MC002	L1712017-08	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.238	1.34		1	WG2240761	
MTWA0229MC002	L1712017-08	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.562	2.78		1	WG2240761	
MTWA0229MC002	L1712017-08	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.255	0.885		1	WG2240761	
MTWA0229MC002	L1712017-08	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.365	1.08	J	1	WG2240761	
MTWA0229MC002	L1712017-08	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.0870	0.356	J	1	WG2240761	
MTWA0229MC002	L1712017-08	Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0597	0.313	J	1	WG2240761	
MTWA0229MC002	L1712017-08	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.230	0.679		1	WG2240761	
MTWA0229MC002	L1712017-08	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.40	5.90		1	WG2240761	
MTWA0229MC002	L1712017-08	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.304	1.15	J	1	WG2240761	

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.14	14.6		1	WG2240761
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.44	5.78	B J	1	WG2240761
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2240761
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2240761
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.141	0.450	J	1	WG2240761
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2240761
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2240761
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2240761
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2240761
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2240761
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2240761
Butane	106-97-8	58	0.0522	0.200	0.474	3.12	7.40		1	WG2240761
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2240761
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0889	0.560	J	1	WG2240761
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2240761
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2240761
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2240761
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.710	1.47		1	WG2240761
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2240761
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2240761
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.121	0.704	J	1	WG2240761
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2240761
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2240761
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2240761
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2240761
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2240761
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2240761
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2240761
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2240761
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2240761
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2240761
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2240761
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2240761
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2240761
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2240761
Ethanol	64-17-5	46.10	0.265	2.50	4.71	47.6	89.7		1	WG2240761
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2240761
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2240761
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.246	1.38		1	WG2240761
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.537	2.66		1	WG2240761
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0819	0.628	J	1	WG2240761
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2240761
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2240761
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2240761
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.304	1.07	J	1	WG2240761
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2240761
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	1.62	5.63		1	WG2240761
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2240761
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.204	0.602	J	1	WG2240761
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.135	0.553	J	1	WG2240761
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2240761
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2240761
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2240761
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2240761
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.58	4.66		1	WG2240761
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	7.73	19.0		1	WG2240761



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2240761
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2240761
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2240761
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2240761
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2240761
Toluene	108-88-3	92.10	0.0870	0.500	1.88	U	U		1	WG2240761
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2240761
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2240761
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2240761
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2240761
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2240761
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2240761
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2240761
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2240761
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2240761
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2240761
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2240761
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2240761
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.3				WG2240761



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.52	5.99		1	WG2240761
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.23	2.07	B J	1	WG2240761
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2240761
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2240761
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.126	0.402	J	1	WG2240761
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2240761
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2240761
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2240761
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2240761
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2240761
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2240761
Butane	106-97-8	58	0.0522	0.200	0.474	1.11	2.63		1	WG2240761
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2240761
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0781	0.492	J	1	WG2240761
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2240761
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2240761
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2240761
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.650	1.34		1	WG2240761
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2240761
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2240761
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2240761
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2240761
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2240761
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2240761
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2240761
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2240761
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2240761
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2240761
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2240761
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2240761
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2240761
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2240761
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2240761
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2240761
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2240761
Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.8	20.4		1	WG2240761
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2240761
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2240761
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.235	1.32		1	WG2240761
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.560	2.77		1	WG2240761
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2240761
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2240761
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2240761
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2240761
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2240761
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2240761
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.250	0.868		1	WG2240761
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2240761
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.165	0.487	J	1	WG2240761
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2240761
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2240761
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2240761
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2240761
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2240761
Pentane	109-66-0	72.15	0.0503	0.200	0.590	3.47	10.2		1	WG2240761
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.32	3.24		1	WG2240761



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2240761
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2240761
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2240761
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2240761
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2240761
Toluene	108-88-3	92.10	0.0870	0.500	1.88	U	U		1	WG2240761
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2240761
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2240761
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2240761
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2240761
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2240761
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2240761
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2240761
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2240761
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2240761
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2240761
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.135	0.585	J	1	WG2240761
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2240761
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.8				WG2240761

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	11.3	26.9		1	WG2240761
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	12.4	20.8		1	WG2240761
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2240761
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2240761
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.129	0.412	J	1	WG2240761
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2240761
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2240761
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2240761
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2240761
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2240761
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2240761
Butane	106-97-8	58	0.0522	0.200	0.474	3.92	9.30		1	WG2240761
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2240761
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0806	0.508	J	1	WG2240761
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2240761
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2240761
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2240761
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.734	1.52		1	WG2240761
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2240761
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.0974	0.335	J	1	WG2240761
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.264	1.54		1	WG2240761
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2240761
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2240761
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2240761
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2240761
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2240761
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2240761
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2240761
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2240761
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2240761
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2240761
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2240761
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2240761
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2240761
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2240761
Ethanol	64-17-5	46.10	0.265	2.50	4.71	125	236	E	1	WG2240761
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2240761
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2240761
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.248	1.39		1	WG2240761
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.564	2.79		1	WG2240761
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2240761
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2240761
Heptane	142-82-5	100	0.104	0.200	0.818	0.137	0.560	J	1	WG2240761
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2240761
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.55	5.46		1	WG2240761
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2240761
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	24.8	86.1		1	WG2240761
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2240761
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.274	0.808	J	1	WG2240761
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.393	1.61	J	1	WG2240761
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2240761
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2240761
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2240761
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2240761
Pentane	109-66-0	72.15	0.0503	0.200	0.590	4.74	14.0		1	WG2240761
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	14.9	36.6		1	WG2240761



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2240761
Styrene	100-42-5	104	0.0788	0.200	0.851	0.0931	0.396	U	1	WG2240761
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2240761
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	0.167	1.13	U	1	WG2240761
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2240761
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.13	4.26		1	WG2240761
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2240761
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2240761
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2240761
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2240761
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2240761
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2240761
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2240761
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2240761
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2240761
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2240761
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.181	0.785	U	1	WG2240761
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2240761
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.7				WG2240761



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	7.50	17.8		1	WG2240761
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.02	1.71	B J	1	WG2240761
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2240761
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2240761
Benzene	71-43-2	78.10	0.0715	0.200	0.639	1.10	3.51		1	WG2240761
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2240761
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2240761
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2240761
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2240761
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2240761
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2240761
Butane	106-97-8	58	0.0522	0.200	0.474	0.549	1.30		1	WG2240761
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2240761
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2240761
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2240761
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2240761
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2240761
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.675	1.39		1	WG2240761
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2240761
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.225	0.775		1	WG2240761
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2240761
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2240761
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2240761
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2240761
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2240761
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2240761
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2240761
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2240761
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2240761
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2240761
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2240761
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2240761
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2240761
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2240761
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2240761
Ethanol	64-17-5	46.10	0.265	2.50	4.71	4.32	8.15		1	WG2240761
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.166	0.720	J	1	WG2240761
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2240761
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.243	1.37		1	WG2240761
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.555	2.74		1	WG2240761
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0798	0.612	J	1	WG2240761
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2240761
Heptane	142-82-5	100	0.104	0.200	0.818	0.571	2.34		1	WG2240761
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2240761
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.625	2.20	J	1	WG2240761
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2240761
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.237	0.823		1	WG2240761
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2240761
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.748	2.21	J	1	WG2240761
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2240761
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2240761
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2240761
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2240761
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2240761
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.630	1.86		1	WG2240761
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.318	0.782	J	1	WG2240761



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2240761
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2240761
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2240761
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2240761
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2240761
Toluene	108-88-3	92.10	0.0870	0.500	1.88	3.49	13.1		1	WG2240761
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2240761
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2240761
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2240761
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2240761
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.149	0.731	J	1	WG2240761
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2240761
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2240761
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2240761
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2240761
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2240761
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	1.77	7.67		1	WG2240761
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.435	1.89		1	WG2240761
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.3				WG2240761

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	19.3	45.9		1	WG2240761
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	6.69	11.2		1	WG2240761
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2240761
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2240761
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.400	1.28		1	WG2240761
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2240761
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2240761
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2240761
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2240761
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2240761
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2240761
Butane	106-97-8	58	0.0522	0.200	0.474	2.22	5.27		1	WG2240761
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2240761
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0753	0.474	J	1	WG2240761
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2240761
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2240761
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2240761
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.779	1.61		1	WG2240761
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2240761
Cyclohexane	110-82-7	84.20	7.53	20.0	68.9	2540	8750		100	WG2241725
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.220	1.28		1	WG2240761
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2240761
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2240761
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2240761
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2240761
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2240761
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2240761
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2240761
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2240761
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2240761
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	0.0910	0.361	J	1	WG2240761
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2240761
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2240761
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2240761
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2240761
Ethanol	64-17-5	46.10	0.265	2.50	4.71	85.2	161		1	WG2240761
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.198	0.858	J	1	WG2240761
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2240761
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.250	1.40		1	WG2240761
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.553	2.73		1	WG2240761
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2240761
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2240761
Heptane	142-82-5	100	0.104	0.200	0.818	1.47	6.01		1	WG2240761
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2240761
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	10.5	37.0		1	WG2240761
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2240761
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	30.9	107		1	WG2240761
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2240761
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	8.18	24.1		1	WG2240761
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.232	0.950	J	1	WG2240761
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2240761
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2240761
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2240761
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2240761
Pentane	109-66-0	72.15	0.0503	0.200	0.590	55.2	163		1	WG2240761
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	26.3	64.6		1	WG2240761



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2240761
Styrene	100-42-5	104	0.0788	0.200	0.851	0.377	1.60		1	WG2240761
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2240761
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	0.283	1.92		1	WG2240761
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2240761
Toluene	108-88-3	92.10	0.0870	0.500	1.88	9.89	37.3		1	WG2240761
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2240761
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2240761
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2240761
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2240761
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.165	0.810	J	1	WG2240761
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2240761
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2240761
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2240761
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2240761
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2240761
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.578	2.51		1	WG2240761
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.236	1.02		1	WG2240761
^(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.4				WG2240761
^(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		89.3				WG2241725

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.82	11.5		1	WG2240761
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.758	1.27	B J	1	WG2240761
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2240761
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2240761
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.204	0.652		1	WG2240761
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2240761
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2240761
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2240761
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2240761
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2240761
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2240761
Butane	106-97-8	58	0.0522	0.200	0.474	0.590	1.40		1	WG2240761
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2240761
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0819	0.516	J	1	WG2240761
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2240761
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2240761
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2240761
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.674	1.39		1	WG2240761
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2240761
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.0943	0.325	J	1	WG2240761
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2240761
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2240761
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2240761
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2240761
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2240761
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2240761
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2240761
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2240761
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2240761
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2240761
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2240761
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2240761
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2240761
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2240761
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2240761
Ethanol	64-17-5	46.10	0.265	2.50	4.71	10.9	20.6		1	WG2240761
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2240761
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2240761
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.251	1.41		1	WG2240761
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.559	2.76		1	WG2240761
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0826	0.633	J	1	WG2240761
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2240761
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2240761
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2240761
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2240761
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2240761
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.315	1.09		1	WG2240761
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2240761
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.387	1.14	J	1	WG2240761
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2240761
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2240761
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2240761
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2240761
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2240761
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.360	1.06		1	WG2240761
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.00	2.46	J	1	WG2240761



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2240761
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2240761
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2240761
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2240761
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2240761
Toluene	108-88-3	92.10	0.0870	0.500	1.88	U	U		1	WG2240761
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2240761
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2240761
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2240761
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2240761
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2240761
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2240761
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2240761
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2240761
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2240761
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2240761
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2240761
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2240761
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.8				WG2240761

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.28	14.9		1	WG2240761
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.817	1.37	B J	1	WG2240761
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2240761
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2240761
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.172	0.549	J	1	WG2240761
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2240761
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2240761
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2240761
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2240761
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2240761
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2240761
Butane	106-97-8	58	0.0522	0.200	0.474	0.509	1.21		1	WG2240761
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2240761
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0826	0.520	J	1	WG2240761
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2240761
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2240761
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2240761
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.683	1.41		1	WG2240761
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2240761
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2240761
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2240761
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2240761
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2240761
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2240761
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2240761
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2240761
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2240761
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2240761
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2240761
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2240761
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2240761
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2240761
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2240761
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2240761
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2240761
Ethanol	64-17-5	46.10	0.265	2.50	4.71	12.5	23.6		1	WG2240761
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2240761
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2240761
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.238	1.34		1	WG2240761
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.562	2.78		1	WG2240761
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2240761
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2240761
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2240761
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2240761
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2240761
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2240761
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.255	0.885		1	WG2240761
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2240761
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.365	1.08	J	1	WG2240761
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.0870	0.356	J	1	WG2240761
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2240761
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2240761
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2240761
Nonane	111-84-2	128.26	0.0363	0.200	1.05	0.0597	0.313	J	1	WG2240761
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.230	0.679		1	WG2240761
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.40	5.90		1	WG2240761

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2240761
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2240761
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2240761
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2240761
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2240761
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.304	1.15	J	1	WG2240761
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2240761
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2240761
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2240761
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2240761
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2240761
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2240761
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2240761
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2240761
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2240761
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2240761
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2240761
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2240761
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		98.9				WG2240761

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4042307-3 03/06/24 11:08

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	0.440	U	0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4042307-3 03/06/24 11:08

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	96.8			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4042307-1 03/06/24 09:49 • (LCSD) R4042307-2 03/06/24 10:29

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.41	3.49	90.9	93.1	70.0-130			2.32	25
Acetonitrile	18.8	15.9	17.1	84.6	91.0	70.0-130			7.27	25
Acrylonitrile	3.75	3.44	3.50	91.7	93.3	70.0-130			1.73	25
Allyl chloride	3.75	3.81	3.36	102	89.6	70.0-130			12.6	25
Benzene	3.75	3.58	3.60	95.5	96.0	70.0-130			0.557	25
Benzyl Chloride	3.75	3.76	3.77	100	101	70.0-152			0.266	25
Bromodichloromethane	3.75	3.55	3.60	94.7	96.0	70.0-130			1.40	25
Bromoform	3.75	3.37	3.35	89.9	89.3	70.0-130			0.595	25
Bromomethane	3.75	3.52	3.48	93.9	92.8	70.0-130			1.14	25
Bromoethane	3.75	3.50	3.56	93.3	94.9	70.0-130			1.70	25
1,3-Butadiene	3.75	3.29	3.31	87.7	88.3	70.0-130			0.606	25
Butane	3.75	3.32	3.26	88.5	86.9	70.0-130			1.82	25
Carbon disulfide	3.75	3.65	3.68	97.3	98.1	70.0-130			0.819	25
Carbon tetrachloride	3.75	3.54	3.55	94.4	94.7	70.0-130			0.282	25
Chlorobenzene	3.75	3.69	3.71	98.4	98.9	70.0-130			0.541	25
Chloroethane	3.75	3.53	3.54	94.1	94.4	70.0-130			0.283	25
Chloroform	3.75	3.55	3.58	94.7	95.5	70.0-130			0.842	25
Chloromethane	3.75	3.37	3.40	89.9	90.7	70.0-130			0.886	25
2-Chlorotoluene	3.75	3.62	3.70	96.5	98.7	70.0-130			2.19	25
Cyclohexane	3.75	3.57	3.57	95.2	95.2	70.0-130			0.000	25
n-Decane	3.75	3.60	3.59	96.0	95.7	70.0-130			0.278	25
Dibromochloromethane	3.75	3.62	3.63	96.5	96.8	70.0-130			0.276	25
1,2-Dibromoethane	3.75	3.63	3.64	96.8	97.1	70.0-130			0.275	25
1,2-Dichlorobenzene	3.75	3.71	3.70	98.9	98.7	70.0-130			0.270	25
1,3-Dichlorobenzene	3.75	3.72	3.75	99.2	100	70.0-130			0.803	25
1,4-Dichlorobenzene	3.75	3.75	3.75	100	100	70.0-130			0.000	25
1,2-Dichloroethane	3.75	3.51	3.49	93.6	93.1	70.0-130			0.571	25
1,1-Dichloroethane	3.75	3.52	3.52	93.9	93.9	70.0-130			0.000	25
1,1-Dichloroethene	3.75	3.52	3.49	93.9	93.1	70.0-130			0.856	25
cis-1,2-Dichloroethene	3.75	3.50	3.54	93.3	94.4	70.0-130			1.14	25
trans-1,2-Dichloroethene	3.75	3.59	3.59	95.7	95.7	70.0-130			0.000	25
1,2-Dichloropropane	3.75	3.49	3.51	93.1	93.6	70.0-130			0.571	25
cis-1,3-Dichloropropene	3.75	3.48	3.52	92.8	93.9	70.0-130			1.14	25
trans-1,3-Dichloropropene	3.75	3.36	3.44	89.6	91.7	70.0-130			2.35	25
1,4-Dioxane	3.75	3.47	3.54	92.5	94.4	70.0-140			2.00	25
Ethanol	3.75	3.06	3.17	81.6	84.5	55.0-148			3.53	25
Ethylbenzene	3.75	3.54	3.57	94.4	95.2	70.0-130			0.844	25
4-Ethyltoluene	3.75	3.72	3.74	99.2	99.7	70.0-130			0.536	25
Trichlorofluoromethane	3.75	3.47	3.41	92.5	90.9	70.0-130			1.74	25
Dichlorodifluoromethane	3.75	3.61	3.64	96.3	97.1	64.0-139			0.828	25

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4042307-1 03/06/24 09:49 • (LCSD) R4042307-2 03/06/24 10:29

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.64	3.64	97.1	97.1	70.0-130			0.000	25
1,2-Dichlorotetrafluoroethane	3.75	3.66	3.63	97.6	96.8	70.0-130			0.823	25
Heptane	3.75	3.58	3.51	95.5	93.6	70.0-130			1.97	25
Hexachloro-1,3-butadiene	3.75	3.75	3.68	100	98.1	70.0-151			1.88	25
n-Hexane	3.75	3.56	3.55	94.9	94.7	70.0-130			0.281	25
Isopropylbenzene	3.75	3.59	3.63	95.7	96.8	70.0-130			1.11	25
Methylene Chloride	3.75	3.42	3.47	91.2	92.5	70.0-130			1.45	25
Methyl Butyl Ketone	3.75	3.31	3.42	88.3	91.2	70.0-149			3.27	25
2-Butanone (MEK)	3.75	3.51	3.61	93.6	96.3	70.0-130			2.81	25
4-Methyl-2-pentanone (MIBK)	3.75	3.37	3.45	89.9	92.0	70.0-139			2.35	25
Methyl methacrylate	3.75	3.37	3.41	89.9	90.9	70.0-130			1.18	25
MTBE	3.75	3.55	3.64	94.7	97.1	70.0-130			2.50	25
Naphthalene	3.75	3.58	3.67	95.5	97.9	70.0-159			2.48	25
Nonane	3.75	3.37	3.45	89.9	92.0	70.0-130			2.35	25
Pentane	3.75	3.54	3.50	94.4	93.3	70.0-130			1.14	25
2-Propanol	3.75	3.37	3.42	89.9	91.2	70.0-139			1.47	25
Propene	3.75	2.97	3.01	79.2	80.3	64.0-144			1.34	25
Styrene	3.75	3.68	3.70	98.1	98.7	70.0-130			0.542	25
1,1,2,2-Tetrachloroethane	3.75	3.63	3.65	96.8	97.3	70.0-130			0.549	25
Tetrachloroethylene	3.75	3.63	3.65	96.8	97.3	70.0-130			0.549	25
Tetrahydrofuran	3.75	3.39	3.42	90.4	91.2	70.0-137			0.881	25
Toluene	3.75	3.64	3.68	97.1	98.1	70.0-130			1.09	25
1,2,4-Trichlorobenzene	3.75	3.49	3.57	93.1	95.2	70.0-160			2.27	25
1,1,1-Trichloroethane	3.75	3.60	3.56	96.0	94.9	70.0-130			1.12	25
1,1,2-Trichloroethane	3.75	3.50	3.62	93.3	96.5	70.0-130			3.37	25
Trichloroethylene	3.75	3.61	3.61	96.3	96.3	70.0-130			0.000	25
1,2,4-Trimethylbenzene	3.75	3.68	3.72	98.1	99.2	70.0-130			1.08	25
1,3,5-Trimethylbenzene	3.75	3.64	3.63	97.1	96.8	70.0-130			0.275	25
2,2,4-Trimethylpentane	3.75	3.63	3.63	96.8	96.8	70.0-130			0.000	25
Vinyl chloride	3.75	3.60	3.61	96.0	96.3	70.0-130			0.277	25
Vinyl Bromide	3.75	3.53	3.50	94.1	93.3	70.0-130			0.853	25
Vinyl acetate	3.75	3.24	3.29	86.4	87.7	70.0-130			1.53	25
m&p-Xylene	7.50	7.23	7.36	96.4	98.1	70.0-130			1.78	25
o-Xylene	3.75	3.56	3.62	94.9	96.5	70.0-130			1.67	25
(S) 1,4-Bromofluorobenzene				98.8	99.8	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4042830-3 03/07/24 11:12

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Cyclohexane	U		0.0753	0.200
(S) 1,4-Bromofluorobenzene	91.0			60.0-140

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

(LCS) R4042830-1 03/07/24 08:47 • (LCSD) R4042830-2 03/07/24 09:20

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Cyclohexane	3.75	3.88	3.85	103	103	70.0-130			0.776	25
(S) 1,4-Bromofluorobenzene				101	101	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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.
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
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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





CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

U712017

Send Report to ahenault@cteh.com, mreilly@cteh.com, rsaldana@cteh.com
Company CTEH, LLC
Address 5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone (501)801-8500
e-mail labresults@cteh.com
Accounting Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☐ Normal ☒ Same Day ☒ Next Day

☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☒

Retain w/ storage fees after 2X hold time ☒

C185

Lab Contact Information	Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method				Matrix A = air B = bulk S = soil SW = wipe T = tape W = water
											TO-15				
	MTWA0228MC001	12888	28260	2/28/2024	1530	2/29/2024	1530	-28	-2	RS	✓				A -01
	MTWA0228MC002	12845	5680	2/28/2024	1552	2/29/2024	1552	-28	-1	RS	✓				A -02
	MTWA0228MC003	28069	15369	2/28/2024	1615	2/29/2024	1615	-28	-2	RS	✓				A -03
	MTWA0228MC003B	12834	23506	2/28/2024	0051	2/29/2024	0016	-29	0	RS	✓				A -04
	MTWA0228MC004	8223	23534	2/28/2024	1630	2/29/2024	1118	-28	-2	RS	✓				A -05
	MTWA0228MC004CL	12433	9508	2/28/2024	1630	2/29/2024	1630	-28	-1	RS	✓				A -06
	MTWA0229MC001	12891	11725	2/29/2024	1530	3/01/2024	1530	-28	-2	RS	✓				A -07
	MTWA0229MC002	15039	10273	2/29/2024	1552	3/01/2024	1352	-28	-2	RS	✓				A -08
Sample Receipt Checklist COC Seal Present/Intact: ☒ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Collect bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N RA Screen <0.5 mR/hr: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Pres. Correct/Check: ☐ Y ☐ N MSAA AMB to 2717 3667 6444															

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Ruben Saldana	03/04/24 0910	Fedex	03/04/24 1000	Shipped
		Ch. [Signature]	3/6/24 0900	EA

SDG # MTWA0228MC

CTEH-ER: L1712017 and L1712015

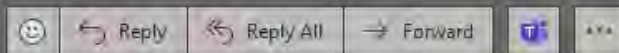
BB

Brianna Brown

To:  Jared Starkey

Cc:  MTJL Air

You replied to this message on 3/6/2024 11:28 AM.



Wed 3/6/2024 11:22 AM

Good morning,

For the sample 2017-04, the client and us recorded a pressure of 0" Hg. Please, can you delete this sample?
For the samples (2017-02, 05, 06, 07, 08) and (2015-01, 02, 04, 05, 06), we recorded pressures are 0"Hg. Please let us know if the client wishes not to proceed with the analysis.

Thanks,

Brianna Brown

Scientist 1

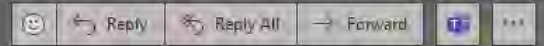
12065 Lebanon Road | Mt. Juliet, TN 37122

RE: CTEH-ER: L1712017 and L1712015



Jared Starkey

To: ● Sierra D. Sesler, ● Brianna Brown
Cc: MTJL Air



Thu 3/7/2024 12:13 PM

Removed per client confirmation.

Jared Starkey

Project Manager II | National
12065 Lebanon Road | Mt. Juliet, TN 37122
615-773-9698 | pacelabs.com

From: Sierra D. Sesler <Sierra.Sesler@pacelabs.com>
Sent: Thursday, March 7, 2024 10:45 AM
To: Jared Starkey <Jared.Starkey@pacelabs.com>; Brianna Brown <brianna.brown@pacelabs.com>
Cc: MTJL Air <MTJLAir@pacelabs.com>
Subject: Re: CTEH-ER: L1712017 and L1712015

Hi Jared,

Any word on sample L1712017-04 from the client yet?

Sierra Sesler

Scientist Team Lead - Air Lab

12065 Lebanon Road | Mt. Juliet, TN 37122

615.773.9731 | pacelabs.com

From: Jared Starkey <Jared.Starkey@pacelabs.com>
Sent: Wednesday, March 6, 2024 1:18 PM
To: Sierra D. Sesler <Sierra.Sesler@pacelabs.com>; Brianna Brown <brianna.brown@pacelabs.com>
Cc: MTJL Air <MTJLAir@pacelabs.com>
Subject: RE: CTEH-ER: L1712017 and L1712015

Waiting on client confirmation.

Jared Starkey

Project Manager II | National
12065 Lebanon Road | Mt. Juliet, TN 37122
615-773-9698 | pacelabs.com

From: Sierra D. Sesler <Sierra.Sesler@pacelabs.com>
Sent: Wednesday, March 6, 2024 11:30 AM
To: Jared Starkey <Jared.Starkey@pacelabs.com>; Brianna Brown <brianna.brown@pacelabs.com>
Cc: MTJL Air <MTJLAir@pacelabs.com>
Subject: Re: CTEH-ER: L1712017 and L1712015

Jared,

In regards to L1712017-04, it was marked by the client as Not Analyzable. Would you still like for us to proceed?

Sierra Sesler

Scientist Team Lead - Air Lab

12065 Lebanon Road | Mt. Juliet, TN 37122

615.773.9731 | pacelabs.com

CTEH - ER

Sample Delivery Group: L1713313
Samples Received: 03/08/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0302MC001 L1713313-01 Air

				Collected by RS	Collected date/time 03/03/24 15:30	Received date/time 03/08/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2243097	1	03/09/24 10:49	03/09/24 10:49	SDS	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

MTWA0302MC002 L1713313-02 Air

				Collected by RS	Collected date/time 03/03/24 13:52	Received date/time 03/08/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2243097	1	03/09/24 11:35	03/09/24 11:35	SDS	Mt. Juliet, TN

MTWA0302MC003 L1713313-03 Air

				Collected by RS	Collected date/time 03/03/24 16:15	Received date/time 03/08/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2243097	1	03/09/24 12:22	03/09/24 12:22	SDS	Mt. Juliet, TN

MTWA0302MC004 L1713313-04 Air

				Collected by RS	Collected date/time 03/03/24 16:30	Received date/time 03/08/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2243097	1	03/09/24 13:08	03/09/24 13:08	DAH	Mt. Juliet, TN

MTWA0303MC001 L1713313-05 Air

				Collected by RS	Collected date/time 03/04/24 15:30	Received date/time 03/08/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2243104	1	03/09/24 10:19	03/09/24 10:19	SDS	Mt. Juliet, TN

MTWA0303MC002 L1713313-06 Air

				Collected by RS	Collected date/time 03/04/24 15:52	Received date/time 03/08/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2243104	1	03/09/24 10:57	03/09/24 10:57	SDS	Mt. Juliet, TN

MTWA0303MC003 L1713313-07 Air

				Collected by RS	Collected date/time 03/04/24 09:34	Received date/time 03/08/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2243104	1	03/09/24 11:36	03/09/24 11:36	SDS	Mt. Juliet, TN

MTWA0303MC004 L1713313-08 Air

				Collected by RS	Collected date/time 03/04/24 16:30	Received date/time 03/08/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2243104	1	03/09/24 12:15	03/09/24 12:15	SDS	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2243097	L1713313-04	Ethanol



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc
MTWA0302MC001	L1713313-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	1.67	3.97		1	WG2243097
MTWA0302MC001	L1713313-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.289	0.485	J	1	WG2243097
MTWA0302MC001	L1713313-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.106	0.339	J	1	WG2243097
MTWA0302MC001	L1713313-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.319	0.757		1	WG2243097
MTWA0302MC001	L1713313-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.574	1.19		1	WG2243097
MTWA0302MC001	L1713313-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	2.09	3.94	J	1	WG2243097
MTWA0302MC001	L1713313-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG2243097
MTWA0302MC001	L1713313-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.224	1.11		1	WG2243097
MTWA0302MC002	L1713313-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.35	15.1		1	WG2243097
MTWA0302MC002	L1713313-02	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.580	0.974	J	1	WG2243097
MTWA0302MC002	L1713313-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.439	1.40		1	WG2243097
MTWA0302MC002	L1713313-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.866	2.05		1	WG2243097
MTWA0302MC002	L1713313-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	1.26	2.60		1	WG2243097
MTWA0302MC002	L1713313-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	15.7	29.6		1	WG2243097
MTWA0302MC002	L1713313-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.212	1.19		1	WG2243097
MTWA0302MC002	L1713313-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.277	1.37		1	WG2243097
MTWA0302MC002	L1713313-02	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.213	1.05		1	WG2243097
MTWA0302MC002	L1713313-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.351	1.04	J	1	WG2243097
MTWA0302MC002	L1713313-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.777	2.29		1	WG2243097
MTWA0302MC002	L1713313-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.39	3.42		1	WG2243097
MTWA0302MC002	L1713313-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.899	3.39		1	WG2243097
MTWA0302MC003	L1713313-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.34	7.94		1	WG2243097
MTWA0302MC003	L1713313-03	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.719	1.21	J	1	WG2243097
MTWA0302MC003	L1713313-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.253	0.808		1	WG2243097
MTWA0302MC003	L1713313-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.427	1.01		1	WG2243097
MTWA0302MC003	L1713313-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.662	1.37		1	WG2243097
MTWA0302MC003	L1713313-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	9.99	18.8		1	WG2243097
MTWA0302MC003	L1713313-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.213	1.20		1	WG2243097
MTWA0302MC003	L1713313-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.298	1.47		1	WG2243097
MTWA0302MC003	L1713313-03	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.0843	0.414	J	1	WG2243097
MTWA0302MC003	L1713313-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.836	2.90		1	WG2243097
MTWA0302MC003	L1713313-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.165	0.487	J	1	WG2243097
MTWA0302MC003	L1713313-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.345	1.02		1	WG2243097
MTWA0302MC003	L1713313-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.62	3.98		1	WG2243097
MTWA0302MC003	L1713313-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.690	2.60		1	WG2243097
MTWA0302MC004	L1713313-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	10.2	24.2		1	WG2243097
MTWA0302MC004	L1713313-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.925	2.95		1	WG2243097
MTWA0302MC004	L1713313-04	Butane	106-97-8	58	0.0522	0.200	0.474	8.03	19.0		1	WG2243097
MTWA0302MC004	L1713313-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.640	1.32		1	WG2243097
MTWA0302MC004	L1713313-04	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.12	3.86		1	WG2243097
MTWA0302MC004	L1713313-04	n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.249	1.45		1	WG2243097
MTWA0302MC004	L1713313-04	1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	0.363	1.68		1	WG2243097
MTWA0302MC004	L1713313-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	103	194	E	1	WG2243097
MTWA0302MC004	L1713313-04	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	1.99	8.63		1	WG2243097
MTWA0302MC004	L1713313-04	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.111	0.545	J	1	WG2243097
MTWA0302MC004	L1713313-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.212	1.19		1	WG2243097
MTWA0302MC004	L1713313-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.326	1.61		1	WG2243097
MTWA0302MC004	L1713313-04	Heptane	142-82-5	100	0.104	0.200	0.818	1.01	4.13		1	WG2243097
MTWA0302MC004	L1713313-04	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	2.14	7.54		1	WG2243097
MTWA0302MC004	L1713313-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.913	3.17		1	WG2243097
MTWA0302MC004	L1713313-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	5.72	16.9		1	WG2243097
MTWA0302MC004	L1713313-04	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.600	2.46	J	1	WG2243097
MTWA0302MC004	L1713313-04	Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	0.469	1.92		1	WG2243097
MTWA0302MC004	L1713313-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	62.5	184		1	WG2243097
MTWA0302MC004	L1713313-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	6.63	16.3		1	WG2243097

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

			CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp
Client ID	Lab Sample ID	Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc
MTWA0302MC004	L1713313-04	Propene	115-07-1	42.10	0.0932	1.25	2.15	2.33	4.01		1	WG2243097	3 Ss
MTWA0302MC004	L1713313-04	Styrene	100-42-5	104	0.0788	0.200	0.851	2.00	8.51		1	WG2243097	4 Cn
MTWA0302MC004	L1713313-04	Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	0.104	0.706	J	1	WG2243097	5 Ds
MTWA0302MC004	L1713313-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	27.4	103		1	WG2243097	
MTWA0302MC004	L1713313-04	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.368	1.81		1	WG2243097	
MTWA0302MC004	L1713313-04	1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.102	0.501	J	1	WG2243097	
MTWA0302MC004	L1713313-04	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.450	2.10		1	WG2243097	
MTWA0302MC004	L1713313-04	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	3.80	16.5		1	WG2243097	
MTWA0302MC004	L1713313-04	o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.60	6.94		1	WG2243097	
MTWA0303MC001	L1713313-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.74	6.51		1	WG2243104	6 Sr
MTWA0303MC001	L1713313-05	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.299	0.502	J	1	WG2243104	7 Qc
MTWA0303MC001	L1713313-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.145	0.463	J	1	WG2243104	
MTWA0303MC001	L1713313-05	Butane	106-97-8	58	0.0522	0.200	0.474	0.359	0.852		1	WG2243104	8 Gl
MTWA0303MC001	L1713313-05	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0771	0.486	J	1	WG2243104	9 Al
MTWA0303MC001	L1713313-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.564	1.16		1	WG2243104	
MTWA0303MC001	L1713313-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.29	9.97		1	WG2243104	
MTWA0303MC001	L1713313-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.222	1.25		1	WG2243104	
MTWA0303MC001	L1713313-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.476	2.35		1	WG2243104	
MTWA0303MC001	L1713313-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.137	0.476	J	1	WG2243104	10 Sc
MTWA0303MC001	L1713313-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.172	0.507	J	1	WG2243104	
MTWA0303MC001	L1713313-05	4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.0812	0.332	J	1	WG2243104	
MTWA0303MC001	L1713313-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.131	0.387	J	1	WG2243104	
MTWA0303MC001	L1713313-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.42	5.95		1	WG2243104	
MTWA0303MC001	L1713313-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.129	0.486	J	1	WG2243104	
MTWA0303MC002	L1713313-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	1.97	4.68		1	WG2243104	
MTWA0303MC002	L1713313-06	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.378	0.635	J	1	WG2243104	
MTWA0303MC002	L1713313-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.160	0.511	J	1	WG2243104	
MTWA0303MC002	L1713313-06	Butane	106-97-8	58	0.0522	0.200	0.474	0.377	0.894		1	WG2243104	
MTWA0303MC002	L1713313-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.573	1.18		1	WG2243104	
MTWA0303MC002	L1713313-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.90	11.1		1	WG2243104	
MTWA0303MC002	L1713313-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.217	1.22		1	WG2243104	
MTWA0303MC002	L1713313-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.490	2.42		1	WG2243104	
MTWA0303MC002	L1713313-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.121	0.420	J	1	WG2243104	
MTWA0303MC002	L1713313-06	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.252	0.744		1	WG2243104	
MTWA0303MC002	L1713313-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.573	1.41	J	1	WG2243104	
MTWA0303MC002	L1713313-06	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.352	1.33	J	1	WG2243104	
MTWA0303MC003	L1713313-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.89	9.24		1	WG2243104	
MTWA0303MC003	L1713313-07	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.275	0.462	J	1	WG2243104	
MTWA0303MC003	L1713313-07	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	2.58	5.59	J	1	WG2243104	
MTWA0303MC003	L1713313-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.215	0.687		1	WG2243104	
MTWA0303MC003	L1713313-07	Butane	106-97-8	58	0.0522	0.200	0.474	0.392	0.930		1	WG2243104	
MTWA0303MC003	L1713313-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.587	1.21		1	WG2243104	
MTWA0303MC003	L1713313-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	15.7	29.6		1	WG2243104	
MTWA0303MC003	L1713313-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.232	1.30		1	WG2243104	
MTWA0303MC003	L1713313-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.505	2.50		1	WG2243104	
MTWA0303MC003	L1713313-07	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.132	0.458	J	1	WG2243104	
MTWA0303MC003	L1713313-07	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.275	0.811	J	1	WG2243104	
MTWA0303MC003	L1713313-07	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.156	0.460	J	1	WG2243104	
MTWA0303MC003	L1713313-07	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.722	1.77	J	1	WG2243104	
MTWA0303MC003	L1713313-07	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.975	3.67		1	WG2243104	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp
					ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc
MTWA0303MC004	L1713313-08	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.17	5.16	J	1	WG2243104	3 Ss
MTWA0303MC004	L1713313-08	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.279	0.468	J	1	WG2243104	4 Cn
MTWA0303MC004	L1713313-08	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.155	0.495	J	1	WG2243104	5 Ds
MTWA0303MC004	L1713313-08	Butane	106-97-8	58	0.0522	0.200	0.474	0.423	1.00	J	1	WG2243104	6 Sr
MTWA0303MC004	L1713313-08	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0756	0.476	J	1	WG2243104	7 Qc
MTWA0303MC004	L1713313-08	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.578	1.19	J	1	WG2243104	8 Gl
MTWA0303MC004	L1713313-08	Ethanol	64-17-5	46.10	0.265	2.50	4.71	3.87	7.30	J	1	WG2243104	9 Al
MTWA0303MC004	L1713313-08	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.234	1.31	J	1	WG2243104	10 Sc
MTWA0303MC004	L1713313-08	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.522	2.58	J	1	WG2243104	
MTWA0303MC004	L1713313-08	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.134	0.465	J	1	WG2243104	
MTWA0303MC004	L1713313-08	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.161	0.475	J	1	WG2243104	
MTWA0303MC004	L1713313-08	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.141	0.416	J	1	WG2243104	
MTWA0303MC004	L1713313-08	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.926	2.28	J	1	WG2243104	
MTWA0303MC004	L1713313-08	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.164	0.618	J	1	WG2243104	

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	1.67	3.97		1	WG2243097
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.289	0.485	J	1	WG2243097
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2243097
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2243097
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.106	0.339	J	1	WG2243097
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2243097
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2243097
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2243097
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2243097
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2243097
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2243097
Butane	106-97-8	58	0.0522	0.200	0.474	0.319	0.757		1	WG2243097
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2243097
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2243097
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2243097
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2243097
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2243097
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.574	1.19		1	WG2243097
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2243097
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2243097
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2243097
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2243097
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2243097
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2243097
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2243097
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2243097
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2243097
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2243097
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2243097
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2243097
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2243097
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2243097
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2243097
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2243097
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2243097
Ethanol	64-17-5	46.10	0.265	2.50	4.71	2.09	3.94	J	1	WG2243097
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2243097
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2243097
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.215	1.21		1	WG2243097
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.224	1.11		1	WG2243097
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2243097
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2243097
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2243097
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2243097
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2243097
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2243097
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	U	U		1	WG2243097
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2243097
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2243097
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2243097
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2243097
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2243097
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2243097
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2243097
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2243097
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	U	U		1	WG2243097

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2243097
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2243097
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2243097
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2243097
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2243097
Toluene	108-88-3	92.10	0.0870	0.500	1.88	U	U		1	WG2243097
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2243097
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2243097
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2243097
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2243097
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2243097
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2243097
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2243097
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2243097
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2243097
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2243097
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2243097
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2243097
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		100				WG2243097

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.35	15.1		1	WG2243097
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.580	0.974	J	1	WG2243097
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2243097
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2243097
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.439	1.40		1	WG2243097
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2243097
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2243097
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2243097
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2243097
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2243097
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2243097
Butane	106-97-8	58	0.0522	0.200	0.474	0.866	2.05		1	WG2243097
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2243097
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2243097
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2243097
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2243097
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2243097
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	1.26	2.60		1	WG2243097
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2243097
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2243097
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2243097
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2243097
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2243097
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2243097
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2243097
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2243097
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2243097
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2243097
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2243097
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2243097
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2243097
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2243097
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2243097
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2243097
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2243097
Ethanol	64-17-5	46.10	0.265	2.50	4.71	15.7	29.6		1	WG2243097
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2243097
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2243097
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.212	1.19		1	WG2243097
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.277	1.37		1	WG2243097
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2243097
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2243097
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2243097
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2243097
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2243097
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.213	1.05		1	WG2243097
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	U	U		1	WG2243097
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2243097
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.351	1.04	J	1	WG2243097
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2243097
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2243097
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2243097
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2243097
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2243097
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.777	2.29		1	WG2243097
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.39	3.42		1	WG2243097

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2243097
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2243097
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2243097
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2243097
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2243097
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.899	3.39		1	WG2243097
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2243097
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2243097
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2243097
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2243097
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2243097
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2243097
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2243097
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2243097
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2243097
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2243097
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2243097
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2243097
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.0				WG2243097

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.34	7.94		1	WG2243097
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.719	1.21	J	1	WG2243097
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2243097
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2243097
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.253	0.808		1	WG2243097
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2243097
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2243097
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2243097
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2243097
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2243097
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2243097
Butane	106-97-8	58	0.0522	0.200	0.474	0.427	1.01		1	WG2243097
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2243097
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2243097
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2243097
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2243097
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2243097
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.662	1.37		1	WG2243097
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2243097
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2243097
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2243097
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2243097
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2243097
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2243097
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2243097
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2243097
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2243097
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2243097
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2243097
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2243097
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2243097
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2243097
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2243097
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2243097
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2243097
Ethanol	64-17-5	46.10	0.265	2.50	4.71	9.99	18.8		1	WG2243097
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2243097
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2243097
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.213	1.20		1	WG2243097
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.298	1.47		1	WG2243097
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2243097
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2243097
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2243097
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2243097
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2243097
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.0843	0.414	J	1	WG2243097
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.836	2.90		1	WG2243097
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2243097
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.165	0.487	J	1	WG2243097
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2243097
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2243097
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2243097
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2243097
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2243097
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.345	1.02		1	WG2243097
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.62	3.98		1	WG2243097

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2243097
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2243097
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2243097
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2243097
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2243097
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.690	2.60		1	WG2243097
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2243097
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2243097
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2243097
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2243097
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2243097
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2243097
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2243097
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2243097
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2243097
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2243097
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2243097
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2243097
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		96.7				WG2243097

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	10.2	24.2		1	WG2243097
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2243097
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2243097
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2243097
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.925	2.95		1	WG2243097
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2243097
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2243097
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2243097
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2243097
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2243097
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2243097
Butane	106-97-8	58	0.0522	0.200	0.474	8.03	19.0		1	WG2243097
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2243097
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2243097
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2243097
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2243097
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2243097
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.640	1.32		1	WG2243097
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2243097
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	1.12	3.86		1	WG2243097
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.249	1.45		1	WG2243097
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2243097
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2243097
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2243097
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2243097
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2243097
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2243097
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2243097
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2243097
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2243097
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2243097
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	0.363	1.68		1	WG2243097
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2243097
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2243097
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2243097
Ethanol	64-17-5	46.10	0.265	2.50	4.71	103	194	E	1	WG2243097
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	1.99	8.63		1	WG2243097
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.111	0.545	J	1	WG2243097
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.212	1.19		1	WG2243097
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.326	1.61		1	WG2243097
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2243097
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2243097
Heptane	142-82-5	100	0.104	0.200	0.818	1.01	4.13		1	WG2243097
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2243097
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	2.14	7.54		1	WG2243097
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2243097
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.913	3.17		1	WG2243097
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2243097
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	5.72	16.9		1	WG2243097
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.600	2.46	J	1	WG2243097
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	0.469	1.92		1	WG2243097
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2243097
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2243097
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2243097
Pentane	109-66-0	72.15	0.0503	0.200	0.590	62.5	184		1	WG2243097
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	6.63	16.3		1	WG2243097

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Cp

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Tc

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Ss

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Cn

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Ds

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Sr

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Qc

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Gl

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Al

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Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	2.33	4.01		1	WG2243097
Styrene	100-42-5	104	0.0788	0.200	0.851	2.00	8.51		1	WG2243097
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2243097
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	0.104	0.706	J	1	WG2243097
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2243097
Toluene	108-88-3	92.10	0.0870	0.500	1.88	27.4	103		1	WG2243097
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2243097
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2243097
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2243097
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2243097
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.368	1.81		1	WG2243097
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.102	0.501	J	1	WG2243097
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.450	2.10		1	WG2243097
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2243097
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2243097
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2243097
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	3.80	16.5		1	WG2243097
o-Xylene	95-47-6	106	0.0828	0.200	0.867	1.60	6.94		1	WG2243097
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		100				WG2243097

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.74	6.51		1	WG2243104
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.299	0.502	J	1	WG2243104
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2243104
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2243104
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.145	0.463	J	1	WG2243104
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2243104
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2243104
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2243104
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2243104
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2243104
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2243104
Butane	106-97-8	58	0.0522	0.200	0.474	0.359	0.852		1	WG2243104
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2243104
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0771	0.486	J	1	WG2243104
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2243104
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2243104
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2243104
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.564	1.16		1	WG2243104
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2243104
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2243104
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2243104
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2243104
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2243104
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2243104
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2243104
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2243104
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2243104
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2243104
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2243104
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2243104
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2243104
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2243104
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2243104
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2243104
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2243104
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.29	9.97		1	WG2243104
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2243104
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2243104
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.222	1.25		1	WG2243104
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.476	2.35		1	WG2243104
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2243104
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2243104
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2243104
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2243104
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2243104
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2243104
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.137	0.476	J	1	WG2243104
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2243104
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.172	0.507	J	1	WG2243104
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	0.0812	0.332	J	1	WG2243104
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2243104
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2243104
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2243104
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2243104
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.131	0.387	J	1	WG2243104
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.42	5.95		1	WG2243104

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2243104
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2243104
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2243104
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2243104
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2243104
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.129	0.486	J	1	WG2243104
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2243104
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2243104
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2243104
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2243104
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2243104
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2243104
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2243104
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2243104
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2243104
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2243104
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2243104
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2243104
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		94.5				WG2243104

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	1.97	4.68		1	WG2243104
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.378	0.635	J	1	WG2243104
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2243104
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2243104
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.160	0.511	J	1	WG2243104
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2243104
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2243104
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2243104
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2243104
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2243104
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2243104
Butane	106-97-8	58	0.0522	0.200	0.474	0.377	0.894		1	WG2243104
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2243104
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2243104
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2243104
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2243104
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2243104
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.573	1.18		1	WG2243104
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2243104
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2243104
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2243104
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2243104
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2243104
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2243104
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2243104
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2243104
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2243104
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2243104
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2243104
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2243104
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2243104
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2243104
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2243104
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2243104
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2243104
Ethanol	64-17-5	46.10	0.265	2.50	4.71	5.90	11.1		1	WG2243104
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2243104
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2243104
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.217	1.22		1	WG2243104
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.490	2.42		1	WG2243104
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2243104
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2243104
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2243104
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2243104
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2243104
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2243104
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.121	0.420	J	1	WG2243104
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2243104
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2243104
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2243104
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2243104
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2243104
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2243104
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2243104
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.252	0.744		1	WG2243104
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.573	1.41	J	1	WG2243104

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Cp

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Tc

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Ss

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Cn

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Ds

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Sr

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Qc

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Gl

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Al

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Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2243104
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2243104
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2243104
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2243104
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2243104
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.352	1.33	J	1	WG2243104
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2243104
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2243104
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2243104
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2243104
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2243104
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2243104
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2243104
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2243104
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2243104
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2243104
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2243104
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2243104
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		101				WG2243104

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.89	9.24		1	WG2243104
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.275	0.462	J	1	WG2243104
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	2.58	5.59	J	1	WG2243104
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2243104
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.215	0.687		1	WG2243104
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2243104
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2243104
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2243104
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2243104
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2243104
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2243104
Butane	106-97-8	58	0.0522	0.200	0.474	0.392	0.930		1	WG2243104
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2243104
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2243104
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2243104
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2243104
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2243104
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.587	1.21		1	WG2243104
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2243104
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2243104
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2243104
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2243104
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2243104
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2243104
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2243104
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2243104
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2243104
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2243104
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2243104
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2243104
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2243104
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2243104
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2243104
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2243104
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2243104
Ethanol	64-17-5	46.10	0.265	2.50	4.71	15.7	29.6		1	WG2243104
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2243104
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2243104
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.232	1.30		1	WG2243104
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.505	2.50		1	WG2243104
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2243104
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2243104
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2243104
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2243104
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2243104
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2243104
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.132	0.458	J	1	WG2243104
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2243104
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.275	0.811	J	1	WG2243104
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2243104
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2243104
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2243104
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2243104
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2243104
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.156	0.460	J	1	WG2243104
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.722	1.77	J	1	WG2243104

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2243104
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2243104
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2243104
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2243104
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2243104
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.975	3.67		1	WG2243104
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2243104
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2243104
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2243104
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2243104
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2243104
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2243104
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2243104
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2243104
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2243104
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2243104
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2243104
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2243104
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		93.6				WG2243104

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.17	5.16		1	WG2243104
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.279	0.468	J	1	WG2243104
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2243104
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2243104
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.155	0.495	J	1	WG2243104
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2243104
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2243104
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2243104
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2243104
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2243104
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2243104
Butane	106-97-8	58	0.0522	0.200	0.474	0.423	1.00		1	WG2243104
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2243104
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0756	0.476	J	1	WG2243104
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2243104
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2243104
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2243104
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.578	1.19		1	WG2243104
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2243104
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2243104
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2243104
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2243104
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2243104
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2243104
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2243104
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2243104
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2243104
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2243104
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2243104
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2243104
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2243104
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2243104
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2243104
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2243104
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2243104
Ethanol	64-17-5	46.10	0.265	2.50	4.71	3.87	7.30		1	WG2243104
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2243104
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2243104
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.234	1.31		1	WG2243104
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.522	2.58		1	WG2243104
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2243104
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2243104
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2243104
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2243104
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2243104
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2243104
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.134	0.465	J	1	WG2243104
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2243104
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.161	0.475	J	1	WG2243104
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2243104
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2243104
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2243104
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2243104
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2243104
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.141	0.416	J	1	WG2243104
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.926	2.28	J	1	WG2243104

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2243104
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2243104
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2243104
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2243104
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2243104
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.164	0.618	J	1	WG2243104
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2243104
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2243104
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2243104
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2243104
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2243104
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2243104
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2243104
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2243104
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2243104
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2243104
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2243104
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2243104
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		100				WG2243104

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4043554-3 03/09/24 09:20

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4043554-3 03/09/24 09:20

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	98.4			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4043554-1 03/09/24 07:45 • (LCSD) R4043554-2 03/09/24 08:34

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.83	3.68	102	98.1	70.0-130			3.99	25
Acetonitrile	18.8	18.3	18.5	97.3	98.4	70.0-130			1.09	25
Acrylonitrile	3.75	3.65	3.74	97.3	99.7	70.0-130			2.44	25
Allyl chloride	3.75	3.72	3.72	99.2	99.2	70.0-130			0.000	25
Benzene	3.75	3.58	3.67	95.5	97.9	70.0-130			2.48	25
Benzyl Chloride	3.75	3.55	3.59	94.7	95.7	70.0-152			1.12	25
Bromodichloromethane	3.75	3.62	3.70	96.5	98.7	70.0-130			2.19	25
Bromoform	3.75	3.44	3.53	91.7	94.1	70.0-130			2.58	25
Bromomethane	3.75	3.55	3.61	94.7	96.3	70.0-130			1.68	25
Bromoethane	3.75	3.84	4.05	102	108	70.0-130			5.32	25
1,3-Butadiene	3.75	3.59	3.60	95.7	96.0	70.0-130			0.278	25
Butane	3.75	3.57	3.71	95.2	98.9	70.0-130			3.85	25
Carbon disulfide	3.75	3.73	3.76	99.5	100	70.0-130			0.801	25
Carbon tetrachloride	3.75	3.60	3.61	96.0	96.3	70.0-130			0.277	25
Chlorobenzene	3.75	3.61	3.74	96.3	99.7	70.0-130			3.54	25
Chloroethane	3.75	3.61	3.65	96.3	97.3	70.0-130			1.10	25
Chloroform	3.75	3.61	3.76	96.3	100	70.0-130			4.07	25
Chloromethane	3.75	3.57	3.67	95.2	97.9	70.0-130			2.76	25
2-Chlorotoluene	3.75	3.62	3.66	96.5	97.6	70.0-130			1.10	25
Cyclohexane	3.75	3.90	4.01	104	107	70.0-130			2.78	25
n-Decane	3.75	3.74	3.82	99.7	102	70.0-130			2.12	25
Dibromochloromethane	3.75	3.52	3.64	93.9	97.1	70.0-130			3.35	25
1,2-Dibromoethane	3.75	3.65	3.80	97.3	101	70.0-130			4.03	25
1,2-Dichlorobenzene	3.75	3.59	3.64	95.7	97.1	70.0-130			1.38	25
1,3-Dichlorobenzene	3.75	3.60	3.64	96.0	97.1	70.0-130			1.10	25
1,4-Dichlorobenzene	3.75	3.59	3.62	95.7	96.5	70.0-130			0.832	25
1,2-Dichloroethane	3.75	3.52	3.63	93.9	96.8	70.0-130			3.08	25
1,1-Dichloroethane	3.75	3.72	3.78	99.2	101	70.0-130			1.60	25
1,1-Dichloroethene	3.75	3.73	3.78	99.5	101	70.0-130			1.33	25
cis-1,2-Dichloroethene	3.75	3.76	3.82	100	102	70.0-130			1.58	25
trans-1,2-Dichloroethene	3.75	3.68	3.79	98.1	101	70.0-130			2.95	25
1,2-Dichloropropane	3.75	3.64	3.78	97.1	101	70.0-130			3.77	25
cis-1,3-Dichloropropene	3.75	3.59	3.74	95.7	99.7	70.0-130			4.09	25
trans-1,3-Dichloropropene	3.75	3.72	3.71	99.2	98.9	70.0-130			0.269	25
1,4-Dioxane	3.75	3.54	3.78	94.4	101	70.0-140			6.56	25
Ethanol	3.75	3.19	3.34	85.1	89.1	55.0-148			4.59	25
Ethylbenzene	3.75	3.65	3.79	97.3	101	70.0-130			3.76	25
4-Ethyltoluene	3.75	3.64	3.67	97.1	97.9	70.0-130			0.821	25
Trichlorofluoromethane	3.75	3.44	3.59	91.7	95.7	70.0-130			4.27	25
Dichlorodifluoromethane	3.75	3.37	3.43	89.9	91.5	64.0-139			1.76	25

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4043554-1 03/09/24 07:45 • (LCSD) R4043554-2 03/09/24 08:34

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.57	3.62	95.2	96.5	70.0-130			1.39	25
1,2-Dichlorotetrafluoroethane	3.75	3.77	3.95	101	105	70.0-130			4.66	25
Heptane	3.75	3.80	3.93	101	105	70.0-130			3.36	25
Hexachloro-1,3-butadiene	3.75	3.45	3.61	92.0	96.3	70.0-151			4.53	25
n-Hexane	3.75	3.93	3.88	105	103	70.0-130			1.28	25
Isopropylbenzene	3.75	3.66	3.69	97.6	98.4	70.0-130			0.816	25
Methylene Chloride	3.75	3.58	3.65	95.5	97.3	70.0-130			1.94	25
Methyl Butyl Ketone	3.75	3.72	3.86	99.2	103	70.0-149			3.69	25
2-Butanone (MEK)	3.75	3.88	4.09	103	109	70.0-130			5.27	25
4-Methyl-2-pentanone (MIBK)	3.75	3.81	3.88	102	103	70.0-139			1.82	25
Methyl methacrylate	3.75	3.71	3.85	98.9	103	70.0-130			3.70	25
MTBE	3.75	3.66	3.77	97.6	101	70.0-130			2.96	25
Naphthalene	3.75	3.66	3.80	97.6	101	70.0-159			3.75	25
Nonane	3.75	3.67	3.82	97.9	102	70.0-130			4.01	25
Pentane	3.75	3.59	3.61	95.7	96.3	70.0-130			0.556	25
2-Propanol	3.75	3.63	3.67	96.8	97.9	70.0-139			1.10	25
Propene	3.75	3.71	3.69	98.9	98.4	64.0-144			0.541	25
Styrene	3.75	3.75	3.79	100	101	70.0-130			1.06	25
1,1,2,2-Tetrachloroethane	3.75	3.68	3.78	98.1	101	70.0-130			2.68	25
Tetrachloroethylene	3.75	3.69	3.75	98.4	100	70.0-130			1.61	25
Tetrahydrofuran	3.75	3.77	3.81	101	102	70.0-137			1.06	25
Toluene	3.75	3.69	3.81	98.4	102	70.0-130			3.20	25
1,2,4-Trichlorobenzene	3.75	3.63	3.76	96.8	100	70.0-160			3.52	25
1,1,1-Trichloroethane	3.75	3.60	3.68	96.0	98.1	70.0-130			2.20	25
1,1,2-Trichloroethane	3.75	3.63	3.76	96.8	100	70.0-130			3.52	25
Trichloroethylene	3.75	3.79	3.75	101	100	70.0-130			1.06	25
1,2,4-Trimethylbenzene	3.75	3.64	3.73	97.1	99.5	70.0-130			2.44	25
1,3,5-Trimethylbenzene	3.75	3.60	3.61	96.0	96.3	70.0-130			0.277	25
2,2,4-Trimethylpentane	3.75	3.77	3.85	101	103	70.0-130			2.10	25
Vinyl chloride	3.75	3.55	3.76	94.7	100	70.0-130			5.75	25
Vinyl Bromide	3.75	3.59	3.55	95.7	94.7	70.0-130			1.12	25
Vinyl acetate	3.75	3.78	3.58	101	95.5	70.0-130			5.43	25
m&p-Xylene	7.50	7.26	7.42	96.8	98.9	70.0-130			2.18	25
o-Xylene	3.75	3.60	3.73	96.0	99.5	70.0-130			3.55	25
(S) 1,4-Bromofluorobenzene				97.8	97.4	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4043549-3 03/09/24 08:40

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4043549-3 03/09/24 08:40

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	88.6			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4043549-1 03/09/24 07:22 • (LCSD) R4043549-2 03/09/24 08:02

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	3.71	3.79	98.9	101	70.0-130			2.13	25
Acetonitrile	18.8	17.5	17.7	93.1	94.1	70.0-130			1.14	25
Acrylonitrile	3.75	3.30	3.25	88.0	86.7	70.0-130			1.53	25
Allyl chloride	3.75	4.18	3.91	111	104	70.0-130			6.67	25
Benzene	3.75	3.71	3.77	98.9	101	70.0-130			1.60	25
Benzyl Chloride	3.75	3.80	3.82	101	102	70.0-152			0.525	25
Bromodichloromethane	3.75	3.69	3.74	98.4	99.7	70.0-130			1.35	25
Bromoform	3.75	3.75	3.74	100	99.7	70.0-130			0.267	25
Bromomethane	3.75	3.75	3.92	100	105	70.0-130			4.43	25
Bromoethane	3.75	3.81	4.00	102	107	70.0-130			4.87	25
1,3-Butadiene	3.75	3.55	3.53	94.7	94.1	70.0-130			0.565	25
Butane	3.75	3.63	3.62	96.8	96.5	70.0-130			0.276	25
Carbon disulfide	3.75	3.67	3.71	97.9	98.9	70.0-130			1.08	25
Carbon tetrachloride	3.75	3.81	3.87	102	103	70.0-130			1.56	25
Chlorobenzene	3.75	3.74	3.76	99.7	100	70.0-130			0.533	25
Chloroethane	3.75	3.66	3.75	97.6	100	70.0-130			2.43	25
Chloroform	3.75	3.71	3.83	98.9	102	70.0-130			3.18	25
Chloromethane	3.75	3.59	3.59	95.7	95.7	70.0-130			0.000	25
2-Chlorotoluene	3.75	3.90	3.76	104	100	70.0-130			3.66	25
Cyclohexane	3.75	3.88	3.94	103	105	70.0-130			1.53	25
n-Decane	3.75	3.86	3.92	103	105	70.0-130			1.54	25
Dibromochloromethane	3.75	3.69	3.75	98.4	100	70.0-130			1.61	25
1,2-Dibromoethane	3.75	3.66	3.69	97.6	98.4	70.0-130			0.816	25
1,2-Dichlorobenzene	3.75	3.80	3.81	101	102	70.0-130			0.263	25
1,3-Dichlorobenzene	3.75	3.76	3.81	100	102	70.0-130			1.32	25
1,4-Dichlorobenzene	3.75	3.72	3.79	99.2	101	70.0-130			1.86	25
1,2-Dichloroethane	3.75	3.62	3.69	96.5	98.4	70.0-130			1.92	25
1,1-Dichloroethane	3.75	3.72	3.85	99.2	103	70.0-130			3.43	25
1,1-Dichloroethene	3.75	3.77	3.78	101	101	70.0-130			0.265	25
cis-1,2-Dichloroethene	3.75	3.62	3.70	96.5	98.7	70.0-130			2.19	25
trans-1,2-Dichloroethene	3.75	3.63	3.70	96.8	98.7	70.0-130			1.91	25
1,2-Dichloropropane	3.75	3.68	3.77	98.1	101	70.0-130			2.42	25
cis-1,3-Dichloropropene	3.75	3.52	3.59	93.9	95.7	70.0-130			1.97	25
trans-1,3-Dichloropropene	3.75	3.50	3.55	93.3	94.7	70.0-130			1.42	25
1,4-Dioxane	3.75	3.67	3.72	97.9	99.2	70.0-140			1.35	25
Ethanol	3.75	3.17	3.34	84.5	89.1	55.0-148			5.22	25
Ethylbenzene	3.75	3.79	3.82	101	102	70.0-130			0.788	25
4-Ethyltoluene	3.75	3.86	3.88	103	103	70.0-130			0.517	25
Trichlorofluoromethane	3.75	3.82	3.83	102	102	70.0-130			0.261	25
Dichlorodifluoromethane	3.75	3.84	3.87	102	103	64.0-139			0.778	25

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4043549-1 03/09/24 07:22 • (LCSD) R4043549-2 03/09/24 08:02

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.87	3.93	103	105	70.0-130			1.54	25
1,2-Dichlorotetrafluoroethane	3.75	3.68	3.79	98.1	101	70.0-130			2.95	25
Heptane	3.75	4.00	4.11	107	110	70.0-130			2.71	25
Hexachloro-1,3-butadiene	3.75	3.50	3.45	93.3	92.0	70.0-151			1.44	25
n-Hexane	3.75	3.71	3.80	98.9	101	70.0-130			2.40	25
Isopropylbenzene	3.75	3.88	3.83	103	102	70.0-130			1.30	25
Methylene Chloride	3.75	3.66	3.71	97.6	98.9	70.0-130			1.36	25
Methyl Butyl Ketone	3.75	3.66	3.71	97.6	98.9	70.0-149			1.36	25
2-Butanone (MEK)	3.75	3.74	3.61	99.7	96.3	70.0-130			3.54	25
4-Methyl-2-pentanone (MIBK)	3.75	3.60	3.65	96.0	97.3	70.0-139			1.38	25
Methyl methacrylate	3.75	3.46	3.54	92.3	94.4	70.0-130			2.29	25
MTBE	3.75	3.74	3.73	99.7	99.5	70.0-130			0.268	25
Naphthalene	3.75	3.65	3.67	97.3	97.9	70.0-159			0.546	25
Nonane	3.75	3.78	3.85	101	103	70.0-130			1.83	25
Pentane	3.75	3.62	3.76	96.5	100	70.0-130			3.79	25
2-Propanol	3.75	3.50	3.59	93.3	95.7	70.0-139			2.54	25
Propene	3.75	3.30	3.46	88.0	92.3	64.0-144			4.73	25
Styrene	3.75	3.80	3.85	101	103	70.0-130			1.31	25
1,1,2,2-Tetrachloroethane	3.75	3.58	3.75	95.5	100	70.0-130			4.64	25
Tetrachloroethylene	3.75	3.73	3.78	99.5	101	70.0-130			1.33	25
Tetrahydrofuran	3.75	3.51	3.63	93.6	96.8	70.0-137			3.36	25
Toluene	3.75	3.68	3.73	98.1	99.5	70.0-130			1.35	25
1,2,4-Trichlorobenzene	3.75	3.78	3.76	101	100	70.0-160			0.531	25
1,1,1-Trichloroethane	3.75	3.81	3.82	102	102	70.0-130			0.262	25
1,1,2-Trichloroethane	3.75	3.63	3.67	96.8	97.9	70.0-130			1.10	25
Trichloroethylene	3.75	3.69	3.76	98.4	100	70.0-130			1.88	25
1,2,4-Trimethylbenzene	3.75	3.77	3.86	101	103	70.0-130			2.36	25
1,3,5-Trimethylbenzene	3.75	3.87	3.88	103	103	70.0-130			0.258	25
2,2,4-Trimethylpentane	3.75	3.73	3.82	99.5	102	70.0-130			2.38	25
Vinyl chloride	3.75	3.60	3.79	96.0	101	70.0-130			5.14	25
Vinyl Bromide	3.75	3.72	3.79	99.2	101	70.0-130			1.86	25
Vinyl acetate	3.75	3.41	3.52	90.9	93.9	70.0-130			3.17	25
m&p-Xylene	7.50	7.63	7.59	102	101	70.0-130			0.526	25
o-Xylene	3.75	3.82	3.84	102	102	70.0-130			0.522	25
(S) 1,4-Bromofluorobenzene				99.4	98.8	60.0-140				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

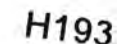
Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia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

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

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

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





Page 1 of 1

CTEH - ER

Sample Delivery Group: L1714178
Samples Received: 03/12/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

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

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0304MC001 L1714178-01 Air

				Collected by	Collected date/time	Received date/time
					03/05/24 15:30	03/12/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2244918	1	03/12/24 19:12	03/12/24 19:12	MNP	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

MTWA0304MC002 L1714178-02 Air

				Collected by	Collected date/time	Received date/time
					03/05/24 15:52	03/12/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2244918	1	03/12/24 20:02	03/12/24 20:02	MNP	Mt. Juliet, TN

MTWA0304MC003 L1714178-03 Air

				Collected by	Collected date/time	Received date/time
					03/05/24 09:45	03/12/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2244918	1	03/12/24 20:52	03/12/24 20:52	MNP	Mt. Juliet, TN

MTWA0304MC004 L1714178-04 Air

				Collected by	Collected date/time	Received date/time
					03/05/24 16:30	03/12/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2244918	1	03/12/24 21:42	03/12/24 21:42	MNP	Mt. Juliet, TN

MTWA0304MC004CL L1714178-05 Air

				Collected by	Collected date/time	Received date/time
					03/05/24 16:30	03/12/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2244918	1	03/12/24 22:31	03/12/24 22:31	MNP	Mt. Juliet, TN

MTWA0305MC002 L1714178-06 Air

				Collected by	Collected date/time	Received date/time
					03/05/24 11:45	03/12/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2244918	1	03/12/24 23:20	03/12/24 23:20	MNP	Mt. Juliet, TN

MTWA0306MC002 L1714178-07 Air

				Collected by	Collected date/time	Received date/time
					03/05/24 10:15	03/12/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2244918	1	03/13/24 00:09	03/13/24 00:09	MNP	Mt. Juliet, TN

MTWA0307MC002 L1714178-08 Air

				Collected by	Collected date/time	Received date/time
					03/05/24 09:08	03/12/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2244918	1	03/13/24 00:57	03/13/24 00:57	MNP	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2244918	(LCSD) R4044763-2, L1714178-01, 02, 03, 04, 05, 06, 07, 08	Allyl chloride



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp	
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc	
MTWA0304MC001	L1714178-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.00	7.13		1	WG2244918	3 Ss
MTWA0304MC001	L1714178-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.198	0.632	J	1	WG2244918	4 Cn
MTWA0304MC001	L1714178-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.545	1.29		1	WG2244918	5 Ds
MTWA0304MC001	L1714178-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.686	1.42		1	WG2244918	6 Sr
MTWA0304MC001	L1714178-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	20.5	38.7		1	WG2244918	7 Qc
MTWA0304MC001	L1714178-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.248	1.39		1	WG2244918	
MTWA0304MC001	L1714178-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.579	2.86	J	1	WG2244918	
MTWA0304MC001	L1714178-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.403	1.19		1	WG2244918	
MTWA0304MC001	L1714178-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.348	1.03	J	1	WG2244918	
MTWA0304MC001	L1714178-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.70	4.18		1	WG2244918	
MTWA0304MC001	L1714178-01	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.133	0.653	J	1	WG2244918	
MTWA0304MC001	L1714178-01	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.268	1.16	J	1	WG2244918	
MTWA0304MC001	L1714178-01	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.128	0.555	J	1	WG2244918	
MTWA0304MC002	L1714178-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	2.19	5.20		1	WG2244918	
MTWA0304MC002	L1714178-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.233	0.744		1	WG2244918	8 Gl
MTWA0304MC002	L1714178-02	Butane	106-97-8	58	0.0522	0.200	0.474	0.595	1.41		1	WG2244918	
MTWA0304MC002	L1714178-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.652	1.35		1	WG2244918	9 Al
MTWA0304MC002	L1714178-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.08	11.5		1	WG2244918	
MTWA0304MC002	L1714178-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.249	1.40		1	WG2244918	
MTWA0304MC002	L1714178-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.577	2.85		1	WG2244918	10 Sc
MTWA0304MC002	L1714178-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.111	0.385	J	1	WG2244918	
MTWA0304MC002	L1714178-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.610	1.50	J	1	WG2244918	
MTWA0304MC003	L1714178-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	1.52	3.61		1	WG2244918	
MTWA0304MC003	L1714178-03	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.509	0.855	J	1	WG2244918	
MTWA0304MC003	L1714178-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.240	0.767		1	WG2244918	
MTWA0304MC003	L1714178-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.567	1.35		1	WG2244918	
MTWA0304MC003	L1714178-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.656	1.35		1	WG2244918	
MTWA0304MC003	L1714178-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.22	13.6		1	WG2244918	
MTWA0304MC003	L1714178-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.256	1.44		1	WG2244918	
MTWA0304MC003	L1714178-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.583	2.88		1	WG2244918	
MTWA0304MC003	L1714178-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.127	0.441	J	1	WG2244918	
MTWA0304MC003	L1714178-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.375	0.922	J	1	WG2244918	
MTWA0304MC004	L1714178-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	5.39	12.8		1	WG2244918	
MTWA0304MC004	L1714178-04	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.559	0.939	J	1	WG2244918	
MTWA0304MC004	L1714178-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.451	1.44		1	WG2244918	
MTWA0304MC004	L1714178-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.640	1.52		1	WG2244918	
MTWA0304MC004	L1714178-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.701	1.45		1	WG2244918	
MTWA0304MC004	L1714178-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	13.6	25.6		1	WG2244918	
MTWA0304MC004	L1714178-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.257	1.44		1	WG2244918	
MTWA0304MC004	L1714178-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.580	2.87		1	WG2244918	
MTWA0304MC004	L1714178-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.262	0.910		1	WG2244918	
MTWA0304MC004	L1714178-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.766	2.26	J	1	WG2244918	
MTWA0304MC004	L1714178-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.479	1.41		1	WG2244918	
MTWA0304MC004	L1714178-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.30	3.20		1	WG2244918	
MTWA0304MC004	L1714178-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.61	9.83		1	WG2244918	
MTWA0304MC004	L1714178-04	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.137	0.594	J	1	WG2244918	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc
MTWA0304MC004CL	L1714178-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	7.92	18.8	1	WG2244918	3 Ss
MTWA0304MC004CL	L1714178-05	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	5.29	8.88	1	WG2244918	4 Cn
MTWA0304MC004CL	L1714178-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.357	1.14	1	WG2244918	5 Ds
MTWA0304MC004CL	L1714178-05	Butane	106-97-8	58	0.0522	0.200	0.474	5.20	12.3	1	WG2244918	6 Sr
MTWA0304MC004CL	L1714178-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.715	1.48	1	WG2244918	7 Qc
MTWA0304MC004CL	L1714178-05	n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.174	1.01	1	WG2244918	8 Gl
MTWA0304MC004CL	L1714178-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	92.1	174	1	WG2244918	9 Al
MTWA0304MC004CL	L1714178-05	Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.116	0.503	1	WG2244918	10 Sc
MTWA0304MC004CL	L1714178-05	4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.109	0.535	1	WG2244918	
MTWA0304MC004CL	L1714178-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.279	1.57	1	WG2244918	
MTWA0304MC004CL	L1714178-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.590	2.92	1	WG2244918	
MTWA0304MC004CL	L1714178-05	Heptane	142-82-5	100	0.104	0.200	0.818	0.213	0.871	1	WG2244918	
MTWA0304MC004CL	L1714178-05	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.52	5.36	1	WG2244918	
MTWA0304MC004CL	L1714178-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	22.4	77.8	1	WG2244918	
MTWA0304MC004CL	L1714178-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.613	1.81	1	WG2244918	
MTWA0304MC004CL	L1714178-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	2.37	6.99	1	WG2244918	
MTWA0304MC004CL	L1714178-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	4.97	12.2	1	WG2244918	
MTWA0304MC004CL	L1714178-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.821	3.09	1	WG2244918	
MTWA0304MC004CL	L1714178-05	1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.531	2.61	1	WG2244918	
MTWA0304MC004CL	L1714178-05	1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.184	0.903	1	WG2244918	
MTWA0304MC004CL	L1714178-05	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.202	0.944	1	WG2244918	
MTWA0304MC004CL	L1714178-05	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.368	1.60	1	WG2244918	
MTWA0304MC004CL	L1714178-05	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.185	0.802	1	WG2244918	
MTWA0305MC002	L1714178-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.42	15.3	1	WG2244918	
MTWA0305MC002	L1714178-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.294	0.939	1	WG2244918	
MTWA0305MC002	L1714178-06	Butane	106-97-8	58	0.0522	0.200	0.474	0.699	1.66	1	WG2244918	
MTWA0305MC002	L1714178-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.843	1.74	1	WG2244918	
MTWA0305MC002	L1714178-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	21.5	40.5	1	WG2244918	
MTWA0305MC002	L1714178-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.274	1.54	1	WG2244918	
MTWA0305MC002	L1714178-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.563	2.78	1	WG2244918	
MTWA0305MC002	L1714178-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.161	0.559	1	WG2244918	
MTWA0305MC002	L1714178-06	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.553	1.63	1	WG2244918	
MTWA0305MC002	L1714178-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.17	2.88	1	WG2244918	
MTWA0305MC002	L1714178-06	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.840	3.16	1	WG2244918	
MTWA0306MC002	L1714178-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	14.0	33.3	1	WG2244918	
MTWA0306MC002	L1714178-07	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.915	1.54	1	WG2244918	
MTWA0306MC002	L1714178-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	1.33	4.25	1	WG2244918	
MTWA0306MC002	L1714178-07	Butane	106-97-8	58	0.0522	0.200	0.474	0.821	1.95	1	WG2244918	
MTWA0306MC002	L1714178-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	3.64	7.52	1	WG2244918	
MTWA0306MC002	L1714178-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	20.9	39.4	1	WG2244918	
MTWA0306MC002	L1714178-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.271	1.52	1	WG2244918	
MTWA0306MC002	L1714178-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.568	2.81	1	WG2244918	
MTWA0306MC002	L1714178-07	Heptane	142-82-5	100	0.104	0.200	0.818	0.104	0.425	1	WG2244918	
MTWA0306MC002	L1714178-07	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.218	0.769	1	WG2244918	
MTWA0306MC002	L1714178-07	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.236	1.16	1	WG2244918	
MTWA0306MC002	L1714178-07	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.209	0.726	1	WG2244918	
MTWA0306MC002	L1714178-07	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.746	2.20	1	WG2244918	
MTWA0306MC002	L1714178-07	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.841	2.48	1	WG2244918	
MTWA0306MC002	L1714178-07	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.907	2.23	1	WG2244918	
MTWA0306MC002	L1714178-07	Toluene	108-88-3	92.10	0.0870	0.500	1.88	3.74	14.1	1	WG2244918	
MTWA0306MC002	L1714178-07	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.194	0.841	1	WG2244918	
MTWA0306MC002	L1714178-07	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0912	0.395	1	WG2244918	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp
					ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc
MTWA0307MC002	L1714178-08	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.99	9.48	J	1	WG2244918	3 Ss
MTWA0307MC002	L1714178-08	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.720	1.21	J	1	WG2244918	4 Cn
MTWA0307MC002	L1714178-08	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.171	0.546	J	1	WG2244918	5 Ds
MTWA0307MC002	L1714178-08	Butane	106-97-8	58	0.0522	0.200	0.474	0.927	2.20		1	WG2244918	6 Sr
MTWA0307MC002	L1714178-08	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.780	1.61		1	WG2244918	7 Qc
MTWA0307MC002	L1714178-08	Ethanol	64-17-5	46.10	0.265	2.50	4.71	20.0	37.7		1	WG2244918	8 Gl
MTWA0307MC002	L1714178-08	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.273	1.53		1	WG2244918	9 Al
MTWA0307MC002	L1714178-08	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.627	3.10		1	WG2244918	10 Sc
MTWA0307MC002	L1714178-08	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	1.56	5.42		1	WG2244918	
MTWA0307MC002	L1714178-08	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.63	4.81		1	WG2244918	
MTWA0307MC002	L1714178-08	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.75	4.30		1	WG2244918	
MTWA0307MC002	L1714178-08	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.141	0.611	J	1	WG2244918	

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.00	7.13		1	WG2244918
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2244918
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2244918
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U	J4	1	WG2244918
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.198	0.632	J	1	WG2244918
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2244918
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2244918
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2244918
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2244918
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2244918
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2244918
Butane	106-97-8	58	0.0522	0.200	0.474	0.545	1.29		1	WG2244918
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2244918
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2244918
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2244918
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2244918
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2244918
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.686	1.42		1	WG2244918
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2244918
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2244918
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2244918
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2244918
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2244918
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2244918
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2244918
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2244918
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2244918
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2244918
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2244918
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2244918
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2244918
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2244918
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2244918
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2244918
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2244918
Ethanol	64-17-5	46.10	0.265	2.50	4.71	20.5	38.7		1	WG2244918
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2244918
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2244918
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.248	1.39		1	WG2244918
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.579	2.86		1	WG2244918
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2244918
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2244918
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2244918
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2244918
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2244918
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2244918
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	U	U		1	WG2244918
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2244918
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.403	1.19	J	1	WG2244918
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2244918
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2244918
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2244918
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2244918
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2244918
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.348	1.03		1	WG2244918
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.70	4.18		1	WG2244918

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2244918
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2244918
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2244918
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2244918
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2244918
Toluene	108-88-3	92.10	0.0870	0.500	1.88	U	U		1	WG2244918
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2244918
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2244918
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2244918
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2244918
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.133	0.653	U	1	WG2244918
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2244918
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2244918
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2244918
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2244918
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2244918
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.268	1.16	U	1	WG2244918
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.128	0.555	U	1	WG2244918
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		99.5				WG2244918

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	2.19	5.20		1	WG2244918
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2244918
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2244918
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U	J4	1	WG2244918
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.233	0.744		1	WG2244918
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2244918
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2244918
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2244918
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2244918
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2244918
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2244918
Butane	106-97-8	58	0.0522	0.200	0.474	0.595	1.41		1	WG2244918
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2244918
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2244918
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2244918
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2244918
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2244918
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.652	1.35		1	WG2244918
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2244918
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2244918
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2244918
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2244918
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2244918
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2244918
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2244918
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2244918
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2244918
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2244918
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2244918
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2244918
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2244918
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2244918
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2244918
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2244918
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2244918
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.08	11.5		1	WG2244918
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2244918
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2244918
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.249	1.40		1	WG2244918
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.577	2.85		1	WG2244918
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2244918
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2244918
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2244918
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2244918
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2244918
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2244918
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.111	0.385	J	1	WG2244918
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2244918
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2244918
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2244918
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2244918
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2244918
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2244918
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2244918
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2244918
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.610	1.50	J	1	WG2244918

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2244918
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2244918
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2244918
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2244918
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2244918
Toluene	108-88-3	92.10	0.0870	0.500	1.88	U	U		1	WG2244918
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2244918
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2244918
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2244918
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2244918
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2244918
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2244918
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2244918
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2244918
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2244918
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2244918
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2244918
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2244918
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		102				WG2244918

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	1.52	3.61		1	WG2244918
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.509	0.855	J	1	WG2244918
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2244918
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U	J4	1	WG2244918
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.240	0.767		1	WG2244918
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2244918
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2244918
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2244918
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2244918
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2244918
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2244918
Butane	106-97-8	58	0.0522	0.200	0.474	0.567	1.35		1	WG2244918
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2244918
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2244918
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2244918
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2244918
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2244918
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.656	1.35		1	WG2244918
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2244918
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2244918
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2244918
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2244918
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2244918
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2244918
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2244918
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2244918
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2244918
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2244918
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2244918
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2244918
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2244918
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2244918
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2244918
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2244918
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2244918
Ethanol	64-17-5	46.10	0.265	2.50	4.71	7.22	13.6		1	WG2244918
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2244918
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2244918
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.256	1.44		1	WG2244918
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.583	2.88		1	WG2244918
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2244918
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2244918
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2244918
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2244918
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2244918
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2244918
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.127	0.441	J	1	WG2244918
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2244918
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2244918
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2244918
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2244918
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2244918
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2244918
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2244918
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2244918
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.375	0.922	J	1	WG2244918

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2244918
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2244918
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2244918
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2244918
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2244918
Toluene	108-88-3	92.10	0.0870	0.500	1.88	U	U		1	WG2244918
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2244918
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2244918
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2244918
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2244918
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2244918
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2244918
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2244918
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2244918
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2244918
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2244918
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2244918
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2244918
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		104				WG2244918

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	5.39	12.8		1	WG2244918
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.559	0.939	J	1	WG2244918
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2244918
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U	J4	1	WG2244918
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.451	1.44		1	WG2244918
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2244918
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2244918
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2244918
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2244918
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2244918
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2244918
Butane	106-97-8	58	0.0522	0.200	0.474	0.640	1.52		1	WG2244918
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2244918
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2244918
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2244918
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2244918
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2244918
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.701	1.45		1	WG2244918
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2244918
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2244918
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2244918
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2244918
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2244918
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2244918
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2244918
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2244918
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2244918
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2244918
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2244918
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2244918
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2244918
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2244918
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2244918
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2244918
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2244918
Ethanol	64-17-5	46.10	0.265	2.50	4.71	13.6	25.6		1	WG2244918
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2244918
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2244918
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.257	1.44		1	WG2244918
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.580	2.87		1	WG2244918
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2244918
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2244918
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2244918
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2244918
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2244918
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2244918
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.262	0.910		1	WG2244918
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2244918
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.766	2.26	J	1	WG2244918
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2244918
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2244918
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2244918
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2244918
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2244918
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.479	1.41		1	WG2244918
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.30	3.20		1	WG2244918

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2244918
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2244918
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2244918
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2244918
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2244918
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.61	9.83		1	WG2244918
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2244918
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2244918
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2244918
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2244918
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2244918
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2244918
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2244918
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2244918
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2244918
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2244918
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.137	0.594	J	1	WG2244918
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2244918
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		102				WG2244918

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	7.92	18.8		1	WG2244918
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	5.29	8.88		1	WG2244918
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2244918
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U	J4	1	WG2244918
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.357	1.14		1	WG2244918
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2244918
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2244918
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2244918
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2244918
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2244918
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2244918
Butane	106-97-8	58	0.0522	0.200	0.474	5.20	12.3		1	WG2244918
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2244918
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2244918
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2244918
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2244918
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2244918
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.715	1.48		1	WG2244918
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2244918
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2244918
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	0.174	1.01	J	1	WG2244918
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2244918
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2244918
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2244918
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2244918
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2244918
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2244918
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2244918
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2244918
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2244918
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2244918
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2244918
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2244918
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2244918
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2244918
Ethanol	64-17-5	46.10	0.265	2.50	4.71	92.1	174		1	WG2244918
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	0.116	0.503	J	1	WG2244918
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	0.109	0.535	J	1	WG2244918
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.279	1.57		1	WG2244918
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.590	2.92		1	WG2244918
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2244918
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2244918
Heptane	142-82-5	100	0.104	0.200	0.818	0.213	0.871		1	WG2244918
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2244918
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	1.52	5.36		1	WG2244918
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2244918
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	22.4	77.8		1	WG2244918
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2244918
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.613	1.81	J	1	WG2244918
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2244918
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2244918
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2244918
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2244918
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2244918
Pentane	109-66-0	72.15	0.0503	0.200	0.590	2.37	6.99		1	WG2244918
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	4.97	12.2		1	WG2244918

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2244918
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2244918
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2244918
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2244918
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2244918
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.821	3.09		1	WG2244918
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2244918
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2244918
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2244918
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2244918
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	0.531	2.61		1	WG2244918
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	0.184	0.903	U	1	WG2244918
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.202	0.944		1	WG2244918
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2244918
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2244918
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2244918
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.368	1.60	U	1	WG2244918
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.185	0.802	U	1	WG2244918
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		102				WG2244918

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.42	15.3		1	WG2244918
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2244918
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2244918
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U	J4	1	WG2244918
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.294	0.939		1	WG2244918
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2244918
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2244918
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2244918
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2244918
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2244918
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2244918
Butane	106-97-8	58	0.0522	0.200	0.474	0.699	1.66		1	WG2244918
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2244918
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2244918
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2244918
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2244918
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2244918
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.843	1.74		1	WG2244918
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2244918
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2244918
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2244918
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2244918
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2244918
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2244918
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2244918
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2244918
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2244918
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2244918
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2244918
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2244918
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2244918
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2244918
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2244918
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2244918
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2244918
Ethanol	64-17-5	46.10	0.265	2.50	4.71	21.5	40.5		1	WG2244918
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2244918
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2244918
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.274	1.54		1	WG2244918
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.563	2.78		1	WG2244918
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2244918
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2244918
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2244918
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2244918
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2244918
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2244918
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.161	0.559	J	1	WG2244918
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2244918
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.553	1.63	J	1	WG2244918
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2244918
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2244918
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2244918
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2244918
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2244918
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2244918
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.17	2.88	J	1	WG2244918

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2244918
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2244918
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2244918
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2244918
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2244918
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.840	3.16		1	WG2244918
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2244918
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2244918
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2244918
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2244918
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2244918
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2244918
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2244918
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2244918
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2244918
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2244918
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2244918
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2244918
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		102				WG2244918

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	14.0	33.3		1	WG2244918
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.915	1.54	J	1	WG2244918
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2244918
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U	J4	1	WG2244918
Benzene	71-43-2	78.10	0.0715	0.200	0.639	1.33	4.25		1	WG2244918
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2244918
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2244918
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2244918
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2244918
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2244918
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2244918
Butane	106-97-8	58	0.0522	0.200	0.474	0.821	1.95		1	WG2244918
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2244918
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2244918
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2244918
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2244918
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2244918
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	3.64	7.52		1	WG2244918
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2244918
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2244918
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2244918
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2244918
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2244918
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2244918
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2244918
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2244918
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2244918
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2244918
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2244918
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2244918
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2244918
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2244918
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2244918
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2244918
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2244918
Ethanol	64-17-5	46.10	0.265	2.50	4.71	20.9	39.4		1	WG2244918
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2244918
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2244918
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.271	1.52		1	WG2244918
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.568	2.81		1	WG2244918
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2244918
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2244918
Heptane	142-82-5	100	0.104	0.200	0.818	0.104	0.425	J	1	WG2244918
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2244918
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.218	0.769	J	1	WG2244918
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.236	1.16		1	WG2244918
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.209	0.726		1	WG2244918
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2244918
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.746	2.20	J	1	WG2244918
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2244918
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2244918
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2244918
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2244918
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2244918
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.841	2.48		1	WG2244918
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.907	2.23	J	1	WG2244918



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2244918
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2244918
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2244918
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2244918
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2244918
Toluene	108-88-3	92.10	0.0870	0.500	1.88	3.74	14.1		1	WG2244918
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2244918
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2244918
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2244918
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2244918
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2244918
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2244918
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2244918
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2244918
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2244918
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2244918
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.194	0.841	U	1	WG2244918
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0912	0.395	U	1	WG2244918
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		103				WG2244918

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.99	9.48		1	WG2244918
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.720	1.21	J	1	WG2244918
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2244918
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U	J4	1	WG2244918
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.171	0.546	J	1	WG2244918
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2244918
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2244918
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2244918
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2244918
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2244918
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2244918
Butane	106-97-8	58	0.0522	0.200	0.474	0.927	2.20		1	WG2244918
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2244918
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2244918
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2244918
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2244918
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2244918
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.780	1.61		1	WG2244918
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2244918
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2244918
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2244918
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2244918
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2244918
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2244918
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2244918
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2244918
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2244918
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2244918
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2244918
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2244918
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2244918
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2244918
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2244918
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2244918
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2244918
Ethanol	64-17-5	46.10	0.265	2.50	4.71	20.0	37.7		1	WG2244918
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2244918
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2244918
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.273	1.53		1	WG2244918
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.627	3.10		1	WG2244918
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2244918
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2244918
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2244918
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2244918
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2244918
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2244918
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	1.56	5.42		1	WG2244918
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2244918
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2244918
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2244918
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2244918
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2244918
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2244918
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2244918
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.63	4.81		1	WG2244918
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.75	4.30		1	WG2244918

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2244918
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2244918
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2244918
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2244918
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2244918
Toluene	108-88-3	92.10	0.0870	0.500	1.88	U	U		1	WG2244918
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2244918
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2244918
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2244918
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2244918
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2244918
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2244918
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2244918
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2244918
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2244918
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2244918
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.141	0.611	J	1	WG2244918
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2244918
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		102				WG2244918

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4044763-3 03/12/24 11:25

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4044763-3 03/12/24 11:25

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	0.145	U	0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	99.0			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4044763-1 03/12/24 09:42 • (LCSD) R4044763-2 03/12/24 10:35

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.12	3.99	110	106	70.0-130			3.21	25
Acetonitrile	18.8	20.2	18.5	107	98.4	70.0-130			8.79	25
Acrylonitrile	3.75	4.25	4.12	113	110	70.0-130			3.11	25
Allyl chloride	3.75	4.29	5.25	114	140	70.0-130		J4	20.1	25
Benzene	3.75	4.08	4.16	109	111	70.0-130			1.94	25
Benzyl Chloride	3.75	3.72	3.67	99.2	97.9	70.0-152			1.35	25
Bromodichloromethane	3.75	4.21	4.28	112	114	70.0-130			1.65	25
Bromoform	3.75	3.96	4.05	106	108	70.0-130			2.25	25
Bromomethane	3.75	4.21	4.21	112	112	70.0-130			0.000	25
Bromoethane	3.75	4.27	4.16	114	111	70.0-130			2.61	25
1,3-Butadiene	3.75	4.01	3.89	107	104	70.0-130			3.04	25
Butane	3.75	4.00	3.99	107	106	70.0-130			0.250	25
Carbon disulfide	3.75	4.14	4.04	110	108	70.0-130			2.44	25
Carbon tetrachloride	3.75	4.14	4.12	110	110	70.0-130			0.484	25
Chlorobenzene	3.75	4.28	4.19	114	112	70.0-130			2.13	25
Chloroethane	3.75	4.32	4.45	115	119	70.0-130			2.96	25
Chloroform	3.75	4.26	4.14	114	110	70.0-130			2.86	25
Chloromethane	3.75	4.47	4.28	119	114	70.0-130			4.34	25
2-Chlorotoluene	3.75	4.18	4.20	111	112	70.0-130			0.477	25
Cyclohexane	3.75	4.00	3.83	107	102	70.0-130			4.34	25
n-Decane	3.75	3.92	3.90	105	104	70.0-130			0.512	25
Dibromochloromethane	3.75	4.09	4.17	109	111	70.0-130			1.94	25
1,2-Dibromoethane	3.75	4.14	4.25	110	113	70.0-130			2.62	25
1,2-Dichlorobenzene	3.75	4.14	3.97	110	106	70.0-130			4.19	25
1,3-Dichlorobenzene	3.75	4.09	3.75	109	100	70.0-130			8.67	25
1,4-Dichlorobenzene	3.75	4.24	3.89	113	104	70.0-130			8.61	25
1,2-Dichloroethane	3.75	4.25	4.22	113	113	70.0-130			0.708	25
1,1-Dichloroethane	3.75	4.28	4.23	114	113	70.0-130			1.18	25
1,1-Dichloroethene	3.75	4.29	4.05	114	108	70.0-130			5.76	25
cis-1,2-Dichloroethene	3.75	4.10	3.97	109	106	70.0-130			3.22	25
trans-1,2-Dichloroethene	3.75	4.11	4.00	110	107	70.0-130			2.71	25
1,2-Dichloropropane	3.75	4.18	4.20	111	112	70.0-130			0.477	25
cis-1,3-Dichloropropene	3.75	4.17	4.25	111	113	70.0-130			1.90	25
trans-1,3-Dichloropropene	3.75	4.01	4.03	107	107	70.0-130			0.498	25
1,4-Dioxane	3.75	3.75	3.75	100	100	70.0-140			0.000	25
Ethanol	3.75	3.82	4.00	102	107	55.0-148			4.60	25
Ethylbenzene	3.75	4.07	4.06	109	108	70.0-130			0.246	25
4-Ethyltoluene	3.75	4.03	3.99	107	106	70.0-130			0.998	25
Trichlorofluoromethane	3.75	4.19	4.12	112	110	70.0-130			1.68	25
Dichlorodifluoromethane	3.75	4.11	4.16	110	111	64.0-139			1.21	25

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4044763-1 03/12/24 09:42 • (LCSD) R4044763-2 03/12/24 10:35

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.19	4.13	112	110	70.0-130			1.44	25
1,2-Dichlorotetrafluoroethane	3.75	4.44	4.29	118	114	70.0-130			3.44	25
Heptane	3.75	4.29	4.21	114	112	70.0-130			1.88	25
Hexachloro-1,3-butadiene	3.75	3.79	3.93	101	105	70.0-151			3.63	25
n-Hexane	3.75	4.22	4.24	113	113	70.0-130			0.473	25
Isopropylbenzene	3.75	4.12	4.10	110	109	70.0-130			0.487	25
Methylene Chloride	3.75	4.19	4.12	112	110	70.0-130			1.68	25
Methyl Butyl Ketone	3.75	4.05	3.96	108	106	70.0-149			2.25	25
2-Butanone (MEK)	3.75	4.11	4.09	110	109	70.0-130			0.488	25
4-Methyl-2-pentanone (MIBK)	3.75	3.99	3.91	106	104	70.0-139			2.03	25
Methyl methacrylate	3.75	3.89	3.77	104	101	70.0-130			3.13	25
MTBE	3.75	3.97	4.00	106	107	70.0-130			0.753	25
Naphthalene	3.75	4.04	4.09	108	109	70.0-159			1.23	25
Nonane	3.75	4.08	4.07	109	109	70.0-130			0.245	25
Pentane	3.75	4.20	3.99	112	106	70.0-130			5.13	25
2-Propanol	3.75	3.86	3.62	103	96.5	70.0-139			6.42	25
Propene	3.75	3.85	3.87	103	103	64.0-144			0.518	25
Styrene	3.75	4.12	4.07	110	109	70.0-130			1.22	25
1,1,2,2-Tetrachloroethane	3.75	4.14	4.02	110	107	70.0-130			2.94	25
Tetrachloroethylene	3.75	4.16	4.17	111	111	70.0-130			0.240	25
Tetrahydrofuran	3.75	4.19	4.04	112	108	70.0-137			3.65	25
Toluene	3.75	4.15	4.19	111	112	70.0-130			0.959	25
1,2,4-Trichlorobenzene	3.75	3.91	3.92	104	105	70.0-160			0.255	25
1,1,1-Trichloroethane	3.75	4.22	4.23	113	113	70.0-130			0.237	25
1,1,2-Trichloroethane	3.75	4.33	4.25	115	113	70.0-130			1.86	25
Trichloroethylene	3.75	4.22	4.24	113	113	70.0-130			0.473	25
1,2,4-Trimethylbenzene	3.75	3.95	3.92	105	105	70.0-130			0.762	25
1,3,5-Trimethylbenzene	3.75	3.99	4.00	106	107	70.0-130			0.250	25
2,2,4-Trimethylpentane	3.75	4.23	4.22	113	113	70.0-130			0.237	25
Vinyl chloride	3.75	4.49	4.39	120	117	70.0-130			2.25	25
Vinyl Bromide	3.75	4.31	4.18	115	111	70.0-130			3.06	25
Vinyl acetate	3.75	4.04	3.88	108	103	70.0-130			4.04	25
m&p-Xylene	7.50	8.16	8.10	109	108	70.0-130			0.738	25
o-Xylene	3.75	4.07	4.04	109	108	70.0-130			0.740	25
(S) 1,4-Bromofluorobenzene				101	102	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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.

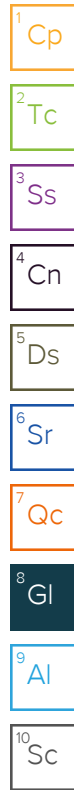
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. 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.
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.
J4	The associated batch QC was outside the established quality control range for accuracy.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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





1196

T/FO:

6.7.14.7

Send Report to	ahenault@cteh.com , mreilly@cteh.com
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500
e-mail	labresults@cteh.com
Accounting	Send Invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

☒ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other

Sample and Extract Retention/Disposal:

Dispose after 2X hold time

Retain w/ storage fees after 2X hold time

[illegible]

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Derran Najar ^{CTEH}	3-11-24 1500	FedEx	3-11-24 1500	Dropped at FedEx for Shipping.
		Chad White	3/12 0900	

CTEH - ER

Sample Delivery Group: L1716990

Samples Received: 03/20/2024

Project Number: 032692

Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

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

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SAMPLE SUMMARY

MTWA0308MC002 L1716990-01 Air

				Collected by RS	Collected date/time 03/09/24 09:30	Received date/time 03/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2251179	1	03/21/24 12:29	03/21/24 12:29	DAH	Mt. Juliet, TN

MTWA0309MC002 L1716990-02 Air

				Collected by RS	Collected date/time 03/10/24 09:30	Received date/time 03/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2251179	1	03/21/24 12:57	03/21/24 12:57	DAH	Mt. Juliet, TN

MTWA0310MC002 L1716990-03 Air

				Collected by RS	Collected date/time 03/11/24 09:30	Received date/time 03/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2251179	1	03/21/24 13:26	03/21/24 13:26	DAH	Mt. Juliet, TN

MTWA0311MC002 L1716990-04 Air

				Collected by RS	Collected date/time 03/12/24 09:30	Received date/time 03/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2251179	1	03/21/24 13:55	03/21/24 13:55	GH	Mt. Juliet, TN

MTWA0312MC002 L1716990-05 Air

				Collected by RS	Collected date/time 03/13/24 09:24	Received date/time 03/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2251179	1	03/21/24 14:23	03/21/24 14:23	GH	Mt. Juliet, TN

MTWA0313MC002 L1716990-06 Air

				Collected by RS	Collected date/time 03/14/24 09:20	Received date/time 03/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2251179	1	03/21/24 14:52	03/21/24 14:52	GH	Mt. Juliet, TN

MTWA0314MC002 L1716990-07 Air

				Collected by RS	Collected date/time 03/15/24 09:54	Received date/time 03/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2251179	1	03/21/24 15:21	03/21/24 15:21	GH	Mt. Juliet, TN

MTWA0315MC002 L1716990-08 Air

				Collected by RS	Collected date/time 03/16/24 09:40	Received date/time 03/20/24 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2251179	1	03/21/24 15:49	03/21/24 15:49	GH	Mt. Juliet, TN



CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2251179	2-Propanol	L1716990-01, 02, 03, 04, 05, 06, 07, 08

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2251179	(LCS) R4048353-1, (LCSD) R4048353-3, L1716990-01, 02, 03, 04, 05, 06, 07, 08	Acetone



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

			CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp
Client ID	Lab Sample ID	Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc
MTWA0308MC002	L1716990-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	13.0	30.9	J4	1	WG2251179	3 Ss
MTWA0308MC002	L1716990-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.38	2.32	J	1	WG2251179	4 Cn
MTWA0308MC002	L1716990-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.344	1.10		1	WG2251179	5 Ds
MTWA0308MC002	L1716990-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.826	1.96		1	WG2251179	
MTWA0308MC002	L1716990-01	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0748	0.471	J	1	WG2251179	
MTWA0308MC002	L1716990-01	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.364	0.960		1	WG2251179	
MTWA0308MC002	L1716990-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.781	1.61		1	WG2251179	
MTWA0308MC002	L1716990-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	31.8	60.0		1	WG2251179	
MTWA0308MC002	L1716990-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.221	1.24		1	WG2251179	
MTWA0308MC002	L1716990-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.477	2.36		1	WG2251179	6 Sr
MTWA0308MC002	L1716990-01	Heptane	142-82-5	100	0.104	0.200	0.818	0.164	0.671	J	1	WG2251179	
MTWA0308MC002	L1716990-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.514	1.78		1	WG2251179	
MTWA0308MC002	L1716990-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.710	2.09	J	1	WG2251179	7 Qc
MTWA0308MC002	L1716990-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.765	2.26		1	WG2251179	
MTWA0308MC002	L1716990-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.50	8.60	B	1	WG2251179	8 Gl
MTWA0308MC002	L1716990-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.84	6.93		1	WG2251179	
MTWA0308MC002	L1716990-01	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.150	0.701	J	1	WG2251179	9 Al
MTWA0308MC002	L1716990-01	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.154	0.668	J	1	WG2251179	10 Sc
MTWA0309MC002	L1716990-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	17.4	41.3	J4	1	WG2251179	
MTWA0309MC002	L1716990-02	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.33	2.23	J	1	WG2251179	
MTWA0309MC002	L1716990-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.531	1.70		1	WG2251179	
MTWA0309MC002	L1716990-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	3.08	6.36		1	WG2251179	
MTWA0309MC002	L1716990-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	14.5	27.3		1	WG2251179	
MTWA0309MC002	L1716990-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.219	1.23		1	WG2251179	
MTWA0309MC002	L1716990-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.478	2.36		1	WG2251179	
MTWA0309MC002	L1716990-02	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0858	0.658	J	1	WG2251179	
MTWA0309MC002	L1716990-02	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.197	0.684	J	1	WG2251179	
MTWA0309MC002	L1716990-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.641	1.89	J	1	WG2251179	
MTWA0309MC002	L1716990-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.93	4.74	B	1	WG2251179	
MTWA0309MC002	L1716990-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.55	5.84		1	WG2251179	
MTWA0309MC002	L1716990-02	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.147	0.687	J	1	WG2251179	
MTWA0309MC002	L1716990-02	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.144	0.624	J	1	WG2251179	
MTWA0309MC002	L1716990-02	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0865	0.375	J	1	WG2251179	
MTWA0310MC002	L1716990-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	8.74	20.8	J4	1	WG2251179	
MTWA0310MC002	L1716990-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.282	0.901		1	WG2251179	
MTWA0310MC002	L1716990-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.459	1.09		1	WG2251179	
MTWA0310MC002	L1716990-03	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0855	0.539	J	1	WG2251179	
MTWA0310MC002	L1716990-03	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.404	1.07		1	WG2251179	
MTWA0310MC002	L1716990-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.774	1.60		1	WG2251179	
MTWA0310MC002	L1716990-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	18.0	33.9		1	WG2251179	
MTWA0310MC002	L1716990-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.230	1.29		1	WG2251179	
MTWA0310MC002	L1716990-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.499	2.47		1	WG2251179	
MTWA0310MC002	L1716990-03	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0796	0.610	J	1	WG2251179	
MTWA0310MC002	L1716990-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.203	0.705		1	WG2251179	
MTWA0310MC002	L1716990-03	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.537	1.58	J	1	WG2251179	
MTWA0310MC002	L1716990-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.02	2.51	B J	1	WG2251179	
MTWA0310MC002	L1716990-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.09	4.11		1	WG2251179	
MTWA0310MC002	L1716990-03	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.177	0.827	J	1	WG2251179	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	1 Cp
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				2 Tc
MTWA0311MC002	L1716990-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.27	10.1	J4	1	WG2251179
MTWA0311MC002	L1716990-04	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	4.45	7.47	J	1	WG2251179
MTWA0311MC002	L1716990-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.137	0.438	J	1	WG2251179
MTWA0311MC002	L1716990-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.626	1.48		1	WG2251179
MTWA0311MC002	L1716990-04	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.138	0.430	J	1	WG2251179
MTWA0311MC002	L1716990-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.712	1.47		1	WG2251179
MTWA0311MC002	L1716990-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	21.3	40.2		1	WG2251179
MTWA0311MC002	L1716990-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.208	1.17		1	WG2251179
MTWA0311MC002	L1716990-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.501	2.48		1	WG2251179
MTWA0311MC002	L1716990-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.271	0.941	J	1	WG2251179
MTWA0311MC002	L1716990-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.296	0.873	J	1	WG2251179
MTWA0311MC002	L1716990-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.271	0.800		1	WG2251179
MTWA0311MC002	L1716990-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.18	7.82	B	1	WG2251179
MTWA0311MC002	L1716990-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.181	0.682	J	1	WG2251179
MTWA0311MC002	L1716990-04	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.144	0.673	J	1	WG2251179
MTWA0312MC002	L1716990-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	5.19	12.3	J4	1	WG2251179
MTWA0312MC002	L1716990-05	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.88	6.51	J	1	WG2251179
MTWA0312MC002	L1716990-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.326	1.04		1	WG2251179
MTWA0312MC002	L1716990-05	Butane	106-97-8	58	0.0522	0.200	0.474	0.454	1.08		1	WG2251179
MTWA0312MC002	L1716990-05	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0823	0.518	J	1	WG2251179
MTWA0312MC002	L1716990-05	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.385	1.02		1	WG2251179
MTWA0312MC002	L1716990-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.872	1.80		1	WG2251179
MTWA0312MC002	L1716990-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	34.9	65.8		1	WG2251179
MTWA0312MC002	L1716990-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.218	1.23		1	WG2251179
MTWA0312MC002	L1716990-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.487	2.41		1	WG2251179
MTWA0312MC002	L1716990-05	Heptane	142-82-5	100	0.104	0.200	0.818	0.188	0.769	J	1	WG2251179
MTWA0312MC002	L1716990-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.215	0.747		1	WG2251179
MTWA0312MC002	L1716990-05	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.490	1.44	J	1	WG2251179
MTWA0312MC002	L1716990-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.302	0.891		1	WG2251179
MTWA0312MC002	L1716990-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.23	5.48	B	1	WG2251179
MTWA0312MC002	L1716990-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.47	5.54		1	WG2251179
MTWA0312MC002	L1716990-05	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.167	0.780	J	1	WG2251179
MTWA0313MC002	L1716990-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	11.9	28.3	J4	1	WG2251179
MTWA0313MC002	L1716990-06	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.90	6.55	J	1	WG2251179
MTWA0313MC002	L1716990-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.323	1.03		1	WG2251179
MTWA0313MC002	L1716990-06	Butane	106-97-8	58	0.0522	0.200	0.474	0.578	1.37		1	WG2251179
MTWA0313MC002	L1716990-06	Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.106	0.330	J	1	WG2251179
MTWA0313MC002	L1716990-06	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0818	0.515	J	1	WG2251179
MTWA0313MC002	L1716990-06	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.300	0.791		1	WG2251179
MTWA0313MC002	L1716990-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.756	1.56		1	WG2251179
MTWA0313MC002	L1716990-06	Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.135	0.465	J	1	WG2251179
MTWA0313MC002	L1716990-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	27.0	50.9		1	WG2251179
MTWA0313MC002	L1716990-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.201	1.13		1	WG2251179
MTWA0313MC002	L1716990-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.477	2.36		1	WG2251179
MTWA0313MC002	L1716990-06	Heptane	142-82-5	100	0.104	0.200	0.818	0.211	0.863		1	WG2251179
MTWA0313MC002	L1716990-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.219	0.760		1	WG2251179
MTWA0313MC002	L1716990-06	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	1.22	3.60	J	1	WG2251179
MTWA0313MC002	L1716990-06	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.407	1.20		1	WG2251179
MTWA0313MC002	L1716990-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.75	4.30	B	1	WG2251179
MTWA0313MC002	L1716990-06	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.33	8.78		1	WG2251179
MTWA0313MC002	L1716990-06	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.168	0.785	J	1	WG2251179
MTWA0313MC002	L1716990-06	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.192	0.832	J	1	WG2251179

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch	
					ppbv	ppbv	ug/m3	ppbv	ug/m3				
MTWA0314MC002	L1716990-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	11.7	27.8	J4	1	WG2251179	¹ Cp
MTWA0314MC002	L1716990-07	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	2.10	3.53	J	1	WG2251179	² Tc
MTWA0314MC002	L1716990-07	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	15.8	34.2		1	WG2251179	³ Ss
MTWA0314MC002	L1716990-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.353	1.13		1	WG2251179	
MTWA0314MC002	L1716990-07	Butane	106-97-8	58	0.0522	0.200	0.474	1.15	2.73		1	WG2251179	⁴ Cn
MTWA0314MC002	L1716990-07	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0781	0.492	J	1	WG2251179	
MTWA0314MC002	L1716990-07	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.141	0.372	J	1	WG2251179	⁵ Ds
MTWA0314MC002	L1716990-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.700	1.45		1	WG2251179	
MTWA0314MC002	L1716990-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	54.2	102		1	WG2251179	
MTWA0314MC002	L1716990-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.219	1.23		1	WG2251179	⁶ Sr
MTWA0314MC002	L1716990-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.506	2.50		1	WG2251179	
MTWA0314MC002	L1716990-07	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0833	0.638	J	1	WG2251179	⁷ Qc
MTWA0314MC002	L1716990-07	Heptane	142-82-5	100	0.104	0.200	0.818	0.143	0.585	J	1	WG2251179	
MTWA0314MC002	L1716990-07	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.221	0.767		1	WG2251179	⁸ Gl
MTWA0314MC002	L1716990-07	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.830	2.45	J	1	WG2251179	
MTWA0314MC002	L1716990-07	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.706	2.08		1	WG2251179	⁹ Al
MTWA0314MC002	L1716990-07	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.31	5.68	B	1	WG2251179	
MTWA0314MC002	L1716990-07	Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.84	10.7		1	WG2251179	¹⁰ Sc
MTWA0314MC002	L1716990-07	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.211	0.986		1	WG2251179	
MTWA0314MC002	L1716990-07	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0908	0.394	J	1	WG2251179	
MTWA0315MC002	L1716990-08	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.97	9.43	J4	1	WG2251179	
MTWA0315MC002	L1716990-08	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	4.56	7.66	J	1	WG2251179	
MTWA0315MC002	L1716990-08	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.238	0.760		1	WG2251179	
MTWA0315MC002	L1716990-08	Butane	106-97-8	58	0.0522	0.200	0.474	1.05	2.49		1	WG2251179	
MTWA0315MC002	L1716990-08	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0806	0.508	J	1	WG2251179	
MTWA0315MC002	L1716990-08	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.671	1.39		1	WG2251179	
MTWA0315MC002	L1716990-08	Ethanol	64-17-5	46.10	0.265	2.50	4.71	16.3	30.7		1	WG2251179	
MTWA0315MC002	L1716990-08	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.205	1.15		1	WG2251179	
MTWA0315MC002	L1716990-08	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.507	2.51		1	WG2251179	
MTWA0315MC002	L1716990-08	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0913	0.700	J	1	WG2251179	
MTWA0315MC002	L1716990-08	Heptane	142-82-5	100	0.104	0.200	0.818	0.144	0.589	J	1	WG2251179	
MTWA0315MC002	L1716990-08	n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.222	0.783	J	1	WG2251179	
MTWA0315MC002	L1716990-08	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.266	0.924		1	WG2251179	
MTWA0315MC002	L1716990-08	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.400	1.18	J	1	WG2251179	
MTWA0315MC002	L1716990-08	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.547	1.61		1	WG2251179	
MTWA0315MC002	L1716990-08	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.20	5.41	B	1	WG2251179	
MTWA0315MC002	L1716990-08	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.967	3.64		1	WG2251179	
MTWA0315MC002	L1716990-08	2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.207	0.967		1	WG2251179	
MTWA0315MC002	L1716990-08	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.142	0.616	J	1	WG2251179	

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	13.0	30.9	J4	1	WG2251179
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.38	2.32	J	1	WG2251179
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2251179
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2251179
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.344	1.10		1	WG2251179
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2251179
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2251179
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2251179
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2251179
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2251179
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2251179
Butane	106-97-8	58	0.0522	0.200	0.474	0.826	1.96		1	WG2251179
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2251179
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0748	0.471	J	1	WG2251179
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2251179
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.364	0.960		1	WG2251179
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2251179
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.781	1.61		1	WG2251179
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2251179
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2251179
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2251179
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2251179
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2251179
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2251179
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2251179
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2251179
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2251179
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2251179
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2251179
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2251179
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2251179
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2251179
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2251179
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2251179
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2251179
Ethanol	64-17-5	46.10	0.265	2.50	4.71	31.8	60.0		1	WG2251179
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2251179
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2251179
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.221	1.24		1	WG2251179
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.477	2.36		1	WG2251179
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2251179
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2251179
Heptane	142-82-5	100	0.104	0.200	0.818	0.164	0.671	J	1	WG2251179
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2251179
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2251179
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2251179
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.514	1.78		1	WG2251179
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2251179
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.710	2.09	J	1	WG2251179
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2251179
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2251179
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2251179
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2251179
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2251179
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.765	2.26		1	WG2251179
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.50	8.60	B	1	WG2251179

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2251179
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2251179
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2251179
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2251179
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2251179
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.84	6.93		1	WG2251179
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2251179
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2251179
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2251179
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2251179
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2251179
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2251179
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.150	0.701	U	1	WG2251179
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2251179
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2251179
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2251179
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.154	0.668	U	1	WG2251179
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2251179
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		96.5				WG2251179

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	17.4	41.3	J4	1	WG2251179
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.33	2.23	J	1	WG2251179
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2251179
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2251179
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.531	1.70		1	WG2251179
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2251179
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2251179
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2251179
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2251179
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2251179
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2251179
Butane	106-97-8	58	0.0522	0.200	0.474	U	U		1	WG2251179
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2251179
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2251179
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2251179
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2251179
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2251179
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	3.08	6.36		1	WG2251179
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2251179
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2251179
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2251179
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2251179
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2251179
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2251179
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2251179
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2251179
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2251179
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2251179
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2251179
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2251179
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2251179
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2251179
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2251179
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2251179
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2251179
Ethanol	64-17-5	46.10	0.265	2.50	4.71	14.5	27.3		1	WG2251179
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2251179
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2251179
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.219	1.23		1	WG2251179
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.478	2.36		1	WG2251179
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0858	0.658	J	1	WG2251179
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2251179
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2251179
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2251179
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2251179
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2251179
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.197	0.684	J	1	WG2251179
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2251179
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.641	1.89	J	1	WG2251179
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2251179
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2251179
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2251179
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2251179
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2251179
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2251179
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.93	4.74	B	1	WG2251179



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2251179
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2251179
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2251179
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2251179
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2251179
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.55	5.84		1	WG2251179
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2251179
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2251179
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2251179
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2251179
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2251179
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2251179
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.147	0.687	U	1	WG2251179
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2251179
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2251179
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2251179
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.144	0.624	U	1	WG2251179
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0865	0.375	U	1	WG2251179
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.3				WG2251179

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	8.74	20.8	J4	1	WG2251179
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2251179
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2251179
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2251179
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.282	0.901		1	WG2251179
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2251179
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2251179
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2251179
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2251179
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2251179
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2251179
Butane	106-97-8	58	0.0522	0.200	0.474	0.459	1.09		1	WG2251179
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2251179
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0855	0.539	J	1	WG2251179
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2251179
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.404	1.07		1	WG2251179
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2251179
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.774	1.60		1	WG2251179
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2251179
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2251179
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2251179
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2251179
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2251179
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2251179
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2251179
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2251179
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2251179
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2251179
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2251179
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2251179
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2251179
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2251179
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2251179
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2251179
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2251179
Ethanol	64-17-5	46.10	0.265	2.50	4.71	18.0	33.9		1	WG2251179
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2251179
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2251179
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.230	1.29		1	WG2251179
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.499	2.47		1	WG2251179
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0796	0.610	J	1	WG2251179
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2251179
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2251179
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2251179
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2251179
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2251179
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.203	0.705		1	WG2251179
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2251179
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.537	1.58	J	1	WG2251179
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2251179
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2251179
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2251179
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2251179
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2251179
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2251179
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.02	2.51	B J	1	WG2251179

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2251179
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2251179
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2251179
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2251179
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2251179
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.09	4.11		1	WG2251179
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2251179
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2251179
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2251179
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2251179
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2251179
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2251179
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.177	0.827	U	1	WG2251179
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2251179
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2251179
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2251179
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2251179
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2251179
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.5				WG2251179



Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.27	10.1	J4	1	WG2251179
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	4.45	7.47	J	1	WG2251179
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2251179
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2251179
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.137	0.438	J	1	WG2251179
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2251179
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2251179
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2251179
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2251179
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2251179
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2251179
Butane	106-97-8	58	0.0522	0.200	0.474	0.626	1.48		1	WG2251179
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.138	0.430	J	1	WG2251179
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2251179
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2251179
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2251179
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2251179
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.712	1.47		1	WG2251179
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2251179
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2251179
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2251179
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2251179
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2251179
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2251179
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2251179
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2251179
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2251179
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2251179
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2251179
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2251179
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2251179
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2251179
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2251179
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2251179
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2251179
Ethanol	64-17-5	46.10	0.265	2.50	4.71	21.3	40.2		1	WG2251179
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2251179
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2251179
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.208	1.17		1	WG2251179
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.501	2.48		1	WG2251179
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2251179
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2251179
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2251179
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2251179
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2251179
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2251179
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.271	0.941		1	WG2251179
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2251179
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.296	0.873	J	1	WG2251179
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2251179
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2251179
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2251179
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2251179
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2251179
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.271	0.800		1	WG2251179
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	3.18	7.82	B	1	WG2251179

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2251179
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2251179
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2251179
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2251179
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2251179
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.181	0.682	U	1	WG2251179
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2251179
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2251179
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2251179
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2251179
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2251179
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2251179
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.144	0.673	U	1	WG2251179
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2251179
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2251179
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2251179
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2251179
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2251179
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		96.6				WG2251179

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	5.19	12.3	J4	1	WG2251179
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.88	6.51	J	1	WG2251179
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2251179
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2251179
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.326	1.04		1	WG2251179
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2251179
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2251179
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2251179
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2251179
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2251179
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2251179
Butane	106-97-8	58	0.0522	0.200	0.474	0.454	1.08		1	WG2251179
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2251179
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0823	0.518	J	1	WG2251179
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2251179
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.385	1.02		1	WG2251179
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2251179
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.872	1.80		1	WG2251179
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2251179
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2251179
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2251179
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2251179
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2251179
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2251179
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2251179
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2251179
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2251179
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2251179
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2251179
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2251179
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2251179
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2251179
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2251179
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2251179
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2251179
Ethanol	64-17-5	46.10	0.265	2.50	4.71	34.9	65.8		1	WG2251179
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2251179
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2251179
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.218	1.23		1	WG2251179
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.487	2.41		1	WG2251179
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2251179
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2251179
Heptane	142-82-5	100	0.104	0.200	0.818	0.188	0.769	J	1	WG2251179
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2251179
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2251179
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2251179
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.215	0.747		1	WG2251179
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2251179
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.490	1.44	J	1	WG2251179
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2251179
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2251179
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2251179
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2251179
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2251179
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.302	0.891		1	WG2251179
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.23	5.48	B	1	WG2251179

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2251179
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2251179
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2251179
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2251179
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2251179
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.47	5.54		1	WG2251179
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2251179
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2251179
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2251179
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2251179
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2251179
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2251179
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.167	0.780	U	1	WG2251179
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2251179
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2251179
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2251179
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2251179
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2251179
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		96.2				WG2251179

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	11.9	28.3	J4	1	WG2251179
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	3.90	6.55	J	1	WG2251179
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2251179
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2251179
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.323	1.03		1	WG2251179
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2251179
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2251179
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2251179
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2251179
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2251179
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2251179
Butane	106-97-8	58	0.0522	0.200	0.474	0.578	1.37		1	WG2251179
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	0.106	0.330	J	1	WG2251179
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0818	0.515	J	1	WG2251179
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2251179
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.300	0.791		1	WG2251179
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2251179
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.756	1.56		1	WG2251179
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2251179
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	0.135	0.465	J	1	WG2251179
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2251179
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2251179
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2251179
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2251179
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2251179
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2251179
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2251179
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2251179
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2251179
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2251179
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2251179
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2251179
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2251179
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2251179
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2251179
Ethanol	64-17-5	46.10	0.265	2.50	4.71	27.0	50.9		1	WG2251179
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2251179
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2251179
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.201	1.13		1	WG2251179
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.477	2.36		1	WG2251179
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2251179
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2251179
Heptane	142-82-5	100	0.104	0.200	0.818	0.211	0.863		1	WG2251179
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2251179
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2251179
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2251179
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.219	0.760		1	WG2251179
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2251179
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	1.22	3.60	J	1	WG2251179
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2251179
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2251179
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2251179
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2251179
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2251179
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.407	1.20		1	WG2251179
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.75	4.30	B	1	WG2251179

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2251179
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2251179
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2251179
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2251179
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2251179
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.33	8.78		1	WG2251179
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2251179
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2251179
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2251179
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2251179
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2251179
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2251179
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.168	0.785	U	1	WG2251179
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2251179
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2251179
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2251179
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.192	0.832	U	1	WG2251179
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2251179
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.5				WG2251179

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	11.7	27.8	J4	1	WG2251179
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	2.10	3.53	J	1	WG2251179
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	15.8	34.2		1	WG2251179
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2251179
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.353	1.13		1	WG2251179
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2251179
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2251179
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2251179
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2251179
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2251179
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2251179
Butane	106-97-8	58	0.0522	0.200	0.474	1.15	2.73		1	WG2251179
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2251179
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0781	0.492	J	1	WG2251179
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2251179
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.141	0.372	J	1	WG2251179
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2251179
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.700	1.45		1	WG2251179
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2251179
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2251179
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2251179
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2251179
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2251179
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2251179
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2251179
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2251179
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2251179
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2251179
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2251179
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2251179
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2251179
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2251179
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2251179
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2251179
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2251179
Ethanol	64-17-5	46.10	0.265	2.50	4.71	54.2	102		1	WG2251179
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2251179
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2251179
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.219	1.23		1	WG2251179
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.506	2.50		1	WG2251179
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0833	0.638	J	1	WG2251179
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2251179
Heptane	142-82-5	100	0.104	0.200	0.818	0.143	0.585	J	1	WG2251179
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2251179
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2251179
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2251179
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.221	0.767		1	WG2251179
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2251179
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.830	2.45	J	1	WG2251179
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2251179
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2251179
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2251179
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2251179
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2251179
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.706	2.08		1	WG2251179
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.31	5.68	B	1	WG2251179



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2251179
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2251179
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2251179
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2251179
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2251179
Toluene	108-88-3	92.10	0.0870	0.500	1.88	2.84	10.7		1	WG2251179
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2251179
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2251179
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2251179
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2251179
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2251179
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2251179
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.211	0.986		1	WG2251179
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2251179
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2251179
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2251179
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2251179
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.0908	0.394	J	1	WG2251179
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.4				WG2251179

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.97	9.43	J4	1	WG2251179
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	4.56	7.66	J	1	WG2251179
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2251179
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2251179
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.238	0.760		1	WG2251179
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2251179
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2251179
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2251179
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2251179
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2251179
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2251179
Butane	106-97-8	58	0.0522	0.200	0.474	1.05	2.49		1	WG2251179
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2251179
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0806	0.508	J	1	WG2251179
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2251179
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2251179
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2251179
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.671	1.39		1	WG2251179
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2251179
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2251179
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2251179
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2251179
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2251179
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2251179
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2251179
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2251179
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2251179
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2251179
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2251179
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2251179
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2251179
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2251179
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2251179
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2251179
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2251179
Ethanol	64-17-5	46.10	0.265	2.50	4.71	16.3	30.7		1	WG2251179
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2251179
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2251179
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.205	1.15		1	WG2251179
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.507	2.51		1	WG2251179
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0913	0.700	J	1	WG2251179
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2251179
Heptane	142-82-5	100	0.104	0.200	0.818	0.144	0.589	J	1	WG2251179
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2251179
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	0.222	0.783	J	1	WG2251179
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2251179
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.266	0.924		1	WG2251179
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2251179
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.400	1.18	J	1	WG2251179
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2251179
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2251179
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2251179
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2251179
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2251179
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.547	1.61		1	WG2251179
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.20	5.41	B	1	WG2251179



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2251179
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2251179
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2251179
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2251179
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2251179
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.967	3.64		1	WG2251179
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2251179
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2251179
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2251179
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2251179
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2251179
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2251179
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	0.207	0.967		1	WG2251179
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2251179
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2251179
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2251179
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.142	0.616	J	1	WG2251179
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2251179
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		95.9				WG2251179

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4048353-2 03/21/24 09:36

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.288	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4048353-2 03/21/24 09:36

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	0.525	U	0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	95.4			60.0-140

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4048353-1 03/21/24 09:07 • (LCSD) R4048353-3 03/21/24 11:04

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.94	4.91	132	131	70.0-130	J4	J4	0.609	25
Acetonitrile	18.8	22.0	22.9	117	122	70.0-130			4.01	25
Acrylonitrile	3.75	4.32	4.56	115	122	70.0-130			5.41	25
Allyl chloride	3.75	4.25	4.41	113	118	70.0-130			3.70	25
Benzene	3.75	4.21	4.33	112	115	70.0-130			2.81	25
Benzyl Chloride	3.75	3.68	3.80	98.1	101	70.0-152			3.21	25
Bromodichloromethane	3.75	3.88	4.05	103	108	70.0-130			4.29	25
Bromoform	3.75	3.66	3.90	97.6	104	70.0-130			6.35	25
Bromomethane	3.75	4.31	4.32	115	115	70.0-130			0.232	25
Bromoethane	3.75	4.12	4.25	110	113	70.0-130			3.11	25
1,3-Butadiene	3.75	4.57	4.59	122	122	70.0-130			0.437	25
Butane	3.75	3.97	4.33	106	115	70.0-130			8.67	25
Carbon disulfide	3.75	4.38	4.41	117	118	70.0-130			0.683	25
Carbon tetrachloride	3.75	3.76	3.77	100	101	70.0-130			0.266	25
Chlorobenzene	3.75	3.94	4.04	105	108	70.0-130			2.51	25
Chloroethane	3.75	4.56	4.50	122	120	70.0-130			1.32	25
Chloroform	3.75	3.90	4.01	104	107	70.0-130			2.78	25
Chloromethane	3.75	4.41	4.26	118	114	70.0-130			3.46	25
2-Chlorotoluene	3.75	3.99	4.23	106	113	70.0-130			5.84	25
Cyclohexane	3.75	4.42	4.44	118	118	70.0-130			0.451	25
n-Decane	3.75	4.08	4.37	109	117	70.0-130			6.86	25
Dibromochloromethane	3.75	3.88	3.97	103	106	70.0-130			2.29	25
1,2-Dibromoethane	3.75	4.11	4.20	110	112	70.0-130			2.17	25
1,2-Dichlorobenzene	3.75	3.75	3.88	100	103	70.0-130			3.41	25
1,3-Dichlorobenzene	3.75	3.75	3.92	100	105	70.0-130			4.43	25
1,4-Dichlorobenzene	3.75	3.75	3.82	100	102	70.0-130			1.85	25
1,2-Dichloroethane	3.75	3.64	3.70	97.1	98.7	70.0-130			1.63	25
1,1-Dichloroethane	3.75	4.32	4.35	115	116	70.0-130			0.692	25
1,1-Dichloroethene	3.75	4.12	4.30	110	115	70.0-130			4.28	25
cis-1,2-Dichloroethene	3.75	4.13	4.35	110	116	70.0-130			5.19	25
trans-1,2-Dichloroethene	3.75	4.16	4.34	111	116	70.0-130			4.24	25
1,2-Dichloropropane	3.75	4.38	4.24	117	113	70.0-130			3.25	25
cis-1,3-Dichloropropene	3.75	4.20	4.62	112	123	70.0-130			9.52	25
trans-1,3-Dichloropropene	3.75	3.93	4.12	105	110	70.0-130			4.72	25
1,4-Dioxane	3.75	4.39	4.16	117	111	70.0-140			5.38	25
Ethanol	3.75	4.18	4.77	111	127	55.0-148			13.2	25
Ethylbenzene	3.75	4.13	4.26	110	114	70.0-130			3.10	25
4-Ethyltoluene	3.75	4.13	4.23	110	113	70.0-130			2.39	25
Trichlorofluoromethane	3.75	3.58	3.75	95.5	100	70.0-130			4.64	25
Dichlorodifluoromethane	3.75	3.84	3.90	102	104	64.0-139			1.55	25

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4048353-1 03/21/24 09:07 • (LCSD) R4048353-3 03/21/24 11:04

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	4.01	4.17	107	111	70.0-130			3.91	25
1,2-Dichlorotetrafluoroethane	3.75	4.16	4.24	111	113	70.0-130			1.90	25
Heptane	3.75	4.34	4.38	116	117	70.0-130			0.917	25
Hexachloro-1,3-butadiene	3.75	3.53	3.52	94.1	93.9	70.0-151			0.284	25
n-Hexane	3.75	4.42	4.61	118	123	70.0-130			4.21	25
Isopropylbenzene	3.75	4.05	4.12	108	110	70.0-130			1.71	25
Methylene Chloride	3.75	3.83	3.82	102	102	70.0-130			0.261	25
Methyl Butyl Ketone	3.75	4.28	4.53	114	121	70.0-149			5.68	25
2-Butanone (MEK)	3.75	4.16	4.53	111	121	70.0-130			8.52	25
4-Methyl-2-pentanone (MIBK)	3.75	4.18	4.17	111	111	70.0-139			0.240	25
Methyl methacrylate	3.75	4.48	4.41	119	118	70.0-130			1.57	25
MTBE	3.75	4.08	4.12	109	110	70.0-130			0.976	25
Naphthalene	3.75	3.96	4.17	106	111	70.0-159			5.17	25
Nonane	3.75	4.28	4.36	114	116	70.0-130			1.85	25
Pentane	3.75	4.24	4.38	113	117	70.0-130			3.25	25
2-Propanol	3.75	4.46	4.42	119	118	70.0-139			0.901	25
Propene	3.75	4.05	4.11	108	110	64.0-144			1.47	25
Styrene	3.75	4.00	4.30	107	115	70.0-130			7.23	25
1,1,2,2-Tetrachloroethane	3.75	4.18	4.26	111	114	70.0-130			1.90	25
Tetrachloroethylene	3.75	3.67	3.77	97.9	101	70.0-130			2.69	25
Tetrahydrofuran	3.75	4.52	4.62	121	123	70.0-137			2.19	25
Toluene	3.75	4.24	4.19	113	112	70.0-130			1.19	25
1,2,4-Trichlorobenzene	3.75	3.55	3.77	94.7	101	70.0-160			6.01	25
1,1,1-Trichloroethane	3.75	3.84	3.80	102	101	70.0-130			1.05	25
1,1,2-Trichloroethane	3.75	4.16	4.28	111	114	70.0-130			2.84	25
Trichloroethylene	3.75	4.08	4.08	109	109	70.0-130			0.000	25
1,2,4-Trimethylbenzene	3.75	3.98	4.18	106	111	70.0-130			4.90	25
1,3,5-Trimethylbenzene	3.75	3.93	4.11	105	110	70.0-130			4.48	25
2,2,4-Trimethylpentane	3.75	3.91	4.06	104	108	70.0-130			3.76	25
Vinyl chloride	3.75	4.41	4.30	118	115	70.0-130			2.53	25
Vinyl Bromide	3.75	4.11	4.55	110	121	70.0-130			10.2	25
Vinyl acetate	3.75	4.06	4.31	108	115	70.0-130			5.97	25
m&p-Xylene	7.50	8.24	8.76	110	117	70.0-130			6.12	25
o-Xylene	3.75	4.02	4.23	107	113	70.0-130			5.09	25
(S) 1,4-Bromofluorobenzene				96.5	98.3	60.0-140				

1
Cp

2
Tc

3
Ss

4
Cn

5
Ds

6
Sr

7
Qc

8
Gl

9
Al

10
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.
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

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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





CHAIN OF CUSTODY AND ANALYSIS

H030

Sample Receipt Checklist
COC Seal Present/Intact: ☒ Y ☐ N Alts: ☒ 1L ☐ 6L ☒ 8 1.4L
COC Signed/Accurate: ☒ Y ☐ N Size: ☒ 1L ☐ 6L ☒ 8
Bottles arrive intact: ☒ Y ☐ N Tape Color: G ☒ W ☐ B
Correct bottles used: ☒ Y ☐ N Tubing: ☐ Shunt: ☐

T/P#: _____

Send Report to ahenault@cteh.com, mreilly@cteh.com
Company CTEH, LLC
Address 5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone (501)801-8500
e-mail labresults@cteh.com
Accounting Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692

Turnaround Requested: ☒ Normal ☐ Same Day ☐ Next Day

☐ Two Day ☐ Other (Specify) _____

Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☒

Retain w/ storage fees after 2X hold time ☐

4716990

Lab Contact Information	Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method				Matrix A = air B = bulk S = soil SW = wipe T = tape W = water
											TO-15				
	MTWA0308MC002	15494	15685	3/8/24	0930	3/9/24	0930	-27	-1	RS	✓				A 01
	MTWA0309MC002	15606	23518	3/9/24	0930	3/10/24	0930	-28	-2	RS	✓				A 02
	MTWA0310MC002	15694	15680	3/10/24	0930	3/11/24	0930	-28	-4	RS	✓				A 03
	MTWA0311MC002	10255	11681	3/11/24	0930	3/12/24	0930	-29	-4	RS	✓				A 69
	MTWA0312MC002	28041	29194	3/12/24	0930	3/13/24	0924	-29	-4	RS	✓				A 05
	MTWA0313MC002	12640	23557	3/13/24	0932	3/14/24	0920	-29	-4	RS	✓				A 04
	MTWA0314MC002	9809	28250	3/14/24	0953	3/15/24	0954	-29	-1	RS	✓				A 07
	MTWA0315MC002	28027	28458	3/15/24	1003	3/16/24	0940	-29	-3	RS	✓				A 08

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Ruben Jeldana	3/19/24 1319	Derran Goyar	3-19-24 1319	
Derran Goyar	3-19-24 1500	FedEx	3-19-24 1500	

SDG # MTWA0305MC

Custom Order

3/20/24 0900

CTEH - ER

Sample Delivery Group: L1718782

Samples Received: 03/26/2024

Project Number: 032692

Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

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

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

MTWA0316MC002 L1718782-01 Air

				Collected by RS	Collected date/time 03/17/24 09:50	Received date/time 03/26/24 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2254852	1	03/27/24 16:13	03/27/24 16:13	DAH	Mt. Juliet, TN

MTWA0316MC002CL L1718782-02 Air

				Collected by RS	Collected date/time 03/17/24 09:50	Received date/time 03/26/24 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2254852	1	03/27/24 16:42	03/27/24 16:42	DAH	Mt. Juliet, TN

MTWA0317MC002 L1718782-03 Air

				Collected by RS	Collected date/time 03/17/24 09:49	Received date/time 03/26/24 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2254852	1	03/27/24 17:10	03/27/24 17:10	DAH	Mt. Juliet, TN

MTWA0318MC002 L1718782-04 Air

				Collected by RS	Collected date/time 03/17/24 09:48	Received date/time 03/26/24 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2254852	1	03/27/24 17:39	03/27/24 17:39	DAH	Mt. Juliet, TN

MTWA0319MC002 L1718782-05 Air

				Collected by RS	Collected date/time 03/17/24 09:43	Received date/time 03/26/24 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2254852	1	03/27/24 18:07	03/27/24 18:07	DAH	Mt. Juliet, TN

MTWA0320MC002 L1718782-06 Air

				Collected by RS	Collected date/time 03/17/24 09:50	Received date/time 03/26/24 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2254852	1	03/27/24 18:36	03/27/24 18:36	DAH	Mt. Juliet, TN

MTWA0321MC002 L1718782-07 Air

				Collected by RS	Collected date/time 03/17/24 10:12	Received date/time 03/26/24 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2254852	1	03/27/24 19:05	03/27/24 19:05	DAH	Mt. Juliet, TN

MTWA0322MC002 L1718782-08 Air

				Collected by RS	Collected date/time 03/17/24 09:50	Received date/time 03/26/24 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2254852	1	03/27/24 19:34	03/27/24 19:34	DAH	Mt. Juliet, TN



CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2254852	(LCS) R4050672-1, L1718782-01, 02, 03, 04, 05, 06, 07, 08	Acetone



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	¹ Cp
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				² Tc
MTWA0316MC002	L1718782-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.92	J4	1	WG225485 2	³ Ss
MTWA0316MC002	L1718782-01	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	34.1		1	WG225485 2	⁴ Cn
MTWA0316MC002	L1718782-01	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.258		1	WG225485 2	⁵ Ds
MTWA0316MC002	L1718782-01	Butane	106-97-8	58	0.0522	0.200	0.474	1.48		1	WG225485 2	⁶ Sr
MTWA0316MC002	L1718782-01	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0824	J	1	WG225485 2	⁷ Qc
MTWA0316MC002	L1718782-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.495		1	WG225485 2	⁸ Gl
MTWA0316MC002	L1718782-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	48.3		1	WG225485 2	⁹ Al
MTWA0316MC002	L1718782-01	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.221		1	WG225485 2	¹⁰ Sc
MTWA0316MC002	L1718782-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.475		1	WG225485 2	
MTWA0316MC002	L1718782-01	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	1.17		1	WG225485 2	
MTWA0316MC002	L1718782-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.748	J	1	WG225485 2	
MTWA0316MC002	L1718782-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.07		1	WG225485 2	
MTWA0316MC002	L1718782-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.68		1	WG225485 2	
MTWA0316MC002	L1718782-01	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.89		1	WG225485 2	
MTWA0316MC002CL	L1718782-02	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.60	J4	1	WG225485 2	
MTWA0316MC002CL	L1718782-02	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.41	J	1	WG225485 2	
MTWA0316MC002CL	L1718782-02	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.547		1	WG225485 2	
MTWA0316MC002CL	L1718782-02	Butane	106-97-8	58	0.0522	0.200	0.474	1.09		1	WG225485 2	
MTWA0316MC002CL	L1718782-02	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.699		1	WG225485 2	
MTWA0316MC002CL	L1718782-02	Ethanol	64-17-5	46.10	0.265	2.50	4.71	21.2		1	WG225485 2	
MTWA0316MC002CL	L1718782-02	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.220		1	WG225485 2	
MTWA0316MC002CL	L1718782-02	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.506		1	WG225485 2	
MTWA0316MC002CL	L1718782-02	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.280		1	WG225485 2	
MTWA0316MC002CL	L1718782-02	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.595	J	1	WG225485 2	
MTWA0316MC002CL	L1718782-02	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.738		1	WG225485 2	
MTWA0316MC002CL	L1718782-02	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.49		1	WG225485 2	
MTWA0316MC002CL	L1718782-02	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.31		1	WG225485 2	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	¹ Cp
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				² Tc
MTWA0317MC002	L1718782-03	Acetone	67-64-1	58.10	0.584	1.25	2.97	4.56	J4	1	WG225485 2	
MTWA0317MC002	L1718782-03	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.875	J	1	WG225485 2	³ Ss
MTWA0317MC002	L1718782-03	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	0.636	J	1	WG225485 2	
MTWA0317MC002	L1718782-03	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.146	J	1	WG225485 2	⁴ Cn
MTWA0317MC002	L1718782-03	Butane	106-97-8	58	0.0522	0.200	0.474	0.589		1	WG225485 2	⁵ Ds
MTWA0317MC002	L1718782-03	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.519		1	WG225485 2	
MTWA0317MC002	L1718782-03	Ethanol	64-17-5	46.10	0.265	2.50	4.71	27.1		1	WG225485 2	⁶ Sr
MTWA0317MC002	L1718782-03	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.228		1	WG225485 2	⁷ Qc
MTWA0317MC002	L1718782-03	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.498		1	WG225485 2	
MTWA0317MC002	L1718782-03	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.149	J	1	WG225485 2	⁸ Gl
MTWA0317MC002	L1718782-03	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.314		1	WG225485 2	⁹ Al
MTWA0317MC002	L1718782-03	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.07	J	1	WG225485 2	
MTWA0317MC002	L1718782-03	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.253	J	1	WG225485 2	¹⁰ Sc
MTWA0318MC002	L1718782-04	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.29	J4	1	WG225485 2	
MTWA0318MC002	L1718782-04	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.826	J	1	WG225485 2	
MTWA0318MC002	L1718782-04	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.224		1	WG225485 2	
MTWA0318MC002	L1718782-04	Butane	106-97-8	58	0.0522	0.200	0.474	0.829		1	WG225485 2	
MTWA0318MC002	L1718782-04	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.710		1	WG225485 2	
MTWA0318MC002	L1718782-04	Ethanol	64-17-5	46.10	0.265	2.50	4.71	88.8		1	WG225485 2	
MTWA0318MC002	L1718782-04	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.224		1	WG225485 2	
MTWA0318MC002	L1718782-04	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.521		1	WG225485 2	
MTWA0318MC002	L1718782-04	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.168	J	1	WG225485 2	
MTWA0318MC002	L1718782-04	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.604	J	1	WG225485 2	
MTWA0318MC002	L1718782-04	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.480		1	WG225485 2	
MTWA0318MC002	L1718782-04	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.27		1	WG225485 2	
MTWA0318MC002	L1718782-04	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.803		1	WG225485 2	
MTWA0318MC002	L1718782-04	m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.378	J	1	WG225485 2	
MTWA0318MC002	L1718782-04	o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.160	J	1	WG225485 2	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

		CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Diluti on	Batch	¹ Cp
Client ID	Lab Sample ID	Analyte		ppbv	ppbv	ug/m3	ppbv	ug/m3				² Tc
MTWA0319MC002	L1718782-05	Acetone	67-64-1	58.10	0.584	1.25	2.97	6.17	J4	1	WG225485 2	
MTWA0319MC002	L1718782-05	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	2.52	J	1	WG225485 2	³ Ss
MTWA0319MC002	L1718782-05	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.169	J	1	WG225485 2	⁴ Cn
MTWA0319MC002	L1718782-05	Butane	106-97-8	58	0.0522	0.200	0.474	0.682		1	WG225485 2	
MTWA0319MC002	L1718782-05	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0838	J	1	WG225485 2	⁵ Ds
MTWA0319MC002	L1718782-05	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.815		1	WG225485 2	⁶ Sr
MTWA0319MC002	L1718782-05	Ethanol	64-17-5	46.10	0.265	2.50	4.71	23.1		1	WG225485 2	
MTWA0319MC002	L1718782-05	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.220		1	WG225485 2	⁷ Qc
MTWA0319MC002	L1718782-05	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.503		1	WG225485 2	
MTWA0319MC002	L1718782-05	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0925	J	1	WG225485 2	⁸ Gl
MTWA0319MC002	L1718782-05	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.321		1	WG225485 2	⁹ Al
MTWA0319MC002	L1718782-05	Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.390		1	WG225485 2	¹⁰ Sc
MTWA0319MC002	L1718782-05	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.810	J	1	WG225485 2	
MTWA0319MC002	L1718782-05	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.375	J	1	WG225485 2	
MTWA0320MC002	L1718782-06	Acetone	67-64-1	58.10	0.584	1.25	2.97	19.2	J4	1	WG225485 2	
MTWA0320MC002	L1718782-06	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.973	J	1	WG225485 2	
MTWA0320MC002	L1718782-06	Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.24	J	1	WG225485 2	
MTWA0320MC002	L1718782-06	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.747		1	WG225485 2	
MTWA0320MC002	L1718782-06	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0917	J	1	WG225485 2	
MTWA0320MC002	L1718782-06	Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.146	J	1	WG225485 2	
MTWA0320MC002	L1718782-06	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	1.09		1	WG225485 2	
MTWA0320MC002	L1718782-06	Ethanol	64-17-5	46.10	0.265	2.50	4.71	26.0		1	WG225485 2	
MTWA0320MC002	L1718782-06	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.238		1	WG225485 2	
MTWA0320MC002	L1718782-06	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.539		1	WG225485 2	
MTWA0320MC002	L1718782-06	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0948	J	1	WG225485 2	
MTWA0320MC002	L1718782-06	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.136	J	1	WG225485 2	
MTWA0320MC002	L1718782-06	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.267		1	WG225485 2	
MTWA0320MC002	L1718782-06	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.643	J	1	WG225485 2	
MTWA0320MC002	L1718782-06	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.05	J	1	WG225485 2	
MTWA0320MC002	L1718782-06	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.55		1	WG225485 2	

DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch	
					ppbv	ppbv	ug/m3	ppbv	ug/m3				¹ Cp
MTWA0321MC002	L1718782-07	Acetone	67-64-1	58.10	0.584	1.25	2.97	10.8	25.7	J4	1	WG225485 2	² Tc
MTWA0321MC002	L1718782-07	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.630	1.06	J	1	WG225485 2	³ Ss
MTWA0321MC002	L1718782-07	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.985	3.15		1	WG225485 2	⁴ Cn
MTWA0321MC002	L1718782-07	Butane	106-97-8	58	0.0522	0.200	0.474	0.499	1.18		1	WG225485 2	⁵ Ds
MTWA0321MC002	L1718782-07	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0837	0.527	J	1	WG225485 2	⁶ Sr
MTWA0321MC002	L1718782-07	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	1.08	2.23		1	WG225485 2	⁷ Qc
MTWA0321MC002	L1718782-07	Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.63	12.5		1	WG225485 2	⁸ Gl
MTWA0321MC002	L1718782-07	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.217	1.22		1	WG225485 2	⁹ Al
MTWA0321MC002	L1718782-07	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.480	2.37		1	WG225485 2	¹⁰ Sc
MTWA0321MC002	L1718782-07	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0916	0.702	J	1	WG225485 2	
MTWA0321MC002	L1718782-07	Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.588	2.89		1	WG225485 2	
MTWA0321MC002	L1718782-07	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.243	0.844		1	WG225485 2	
MTWA0321MC002	L1718782-07	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	1.26	3.72		1	WG225485 2	
MTWA0321MC002	L1718782-07	Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.71	6.44		1	WG225485 2	
MTWA0322MC002	L1718782-08	Acetone	67-64-1	58.10	0.584	1.25	2.97	5.69	13.5	J4	1	WG225485 2	
MTWA0322MC002	L1718782-08	Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.44	2.42	J	1	WG225485 2	
MTWA0322MC002	L1718782-08	Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.153	0.489	J	1	WG225485 2	
MTWA0322MC002	L1718782-08	Butane	106-97-8	58	0.0522	0.200	0.474	0.831	1.97		1	WG225485 2	
MTWA0322MC002	L1718782-08	Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0869	0.547	J	1	WG225485 2	
MTWA0322MC002	L1718782-08	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.616	1.27		1	WG225485 2	
MTWA0322MC002	L1718782-08	Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.42	12.1		1	WG225485 2	
MTWA0322MC002	L1718782-08	Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.240	1.35		1	WG225485 2	
MTWA0322MC002	L1718782-08	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.501	2.48		1	WG225485 2	
MTWA0322MC002	L1718782-08	1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0828	0.635	J	1	WG225485 2	
MTWA0322MC002	L1718782-08	Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.253	0.879		1	WG225485 2	
MTWA0322MC002	L1718782-08	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.309	0.911	J	1	WG225485 2	
MTWA0322MC002	L1718782-08	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.36	3.34		1	WG225485 2	
MTWA0322MC002	L1718782-08	Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.378	1.42	J	1	WG225485 2	

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.92	16.4	J4	1	WG2254852
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	34.1	57.3		1	WG2254852
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2254852
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2254852
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.258	0.824		1	WG2254852
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2254852
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2254852
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2254852
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2254852
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2254852
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2254852
Butane	106-97-8	58	0.0522	0.200	0.474	1.48	3.51		1	WG2254852
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2254852
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0824	0.519	J	1	WG2254852
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2254852
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2254852
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2254852
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.495	1.02		1	WG2254852
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2254852
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2254852
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2254852
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2254852
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2254852
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2254852
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2254852
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2254852
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2254852
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2254852
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2254852
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2254852
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2254852
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2254852
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2254852
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2254852
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2254852
Ethanol	64-17-5	46.10	0.265	2.50	4.71	48.3	91.1		1	WG2254852
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2254852
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2254852
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.221	1.24		1	WG2254852
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.475	2.35		1	WG2254852
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2254852
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2254852
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2254852
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2254852
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2254852
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2254852
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	1.17	4.06		1	WG2254852
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2254852
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.748	2.21	J	1	WG2254852
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2254852
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2254852
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2254852
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2254852
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2254852
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.07	3.16		1	WG2254852
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.68	6.59		1	WG2254852



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2254852
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2254852
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2254852
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2254852
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2254852
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.89	7.12		1	WG2254852
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2254852
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2254852
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2254852
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2254852
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2254852
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2254852
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2254852
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2254852
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2254852
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2254852
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2254852
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2254852
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		95.3				WG2254852

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.60	15.7	J4	1	WG2254852
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.41	2.37	J	1	WG2254852
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2254852
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2254852
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.547	1.75		1	WG2254852
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2254852
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2254852
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2254852
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2254852
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2254852
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2254852
Butane	106-97-8	58	0.0522	0.200	0.474	1.09	2.59		1	WG2254852
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2254852
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2254852
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2254852
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2254852
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2254852
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.699	1.44		1	WG2254852
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2254852
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2254852
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2254852
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2254852
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2254852
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2254852
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2254852
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2254852
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2254852
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2254852
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2254852
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2254852
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2254852
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2254852
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2254852
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2254852
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2254852
Ethanol	64-17-5	46.10	0.265	2.50	4.71	21.2	40.0		1	WG2254852
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2254852
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2254852
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.220	1.24		1	WG2254852
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.506	2.50		1	WG2254852
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2254852
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2254852
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2254852
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2254852
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2254852
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.280	1.38		1	WG2254852
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	U	U		1	WG2254852
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2254852
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.595	1.75	J	1	WG2254852
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2254852
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2254852
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2254852
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2254852
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2254852
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.738	2.18		1	WG2254852
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.49	3.66		1	WG2254852



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2254852
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2254852
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2254852
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2254852
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2254852
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.31	4.93		1	WG2254852
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2254852
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2254852
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2254852
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2254852
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2254852
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2254852
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2254852
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2254852
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2254852
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2254852
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2254852
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2254852
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		93.2				WG2254852

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	4.56	10.8	J4	1	WG2254852
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.875	1.47	J	1	WG2254852
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	0.636	1.38	J	1	WG2254852
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2254852
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.146	0.466	J	1	WG2254852
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2254852
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2254852
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2254852
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2254852
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2254852
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2254852
Butane	106-97-8	58	0.0522	0.200	0.474	0.589	1.40		1	WG2254852
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2254852
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2254852
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2254852
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2254852
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2254852
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.519	1.07		1	WG2254852
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2254852
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2254852
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2254852
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2254852
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2254852
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2254852
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2254852
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2254852
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2254852
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2254852
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2254852
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2254852
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2254852
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2254852
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2254852
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2254852
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2254852
Ethanol	64-17-5	46.10	0.265	2.50	4.71	27.1	51.1		1	WG2254852
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2254852
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2254852
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.228	1.28		1	WG2254852
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.498	2.46		1	WG2254852
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2254852
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2254852
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2254852
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2254852
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2254852
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2254852
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.149	0.517	J	1	WG2254852
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2254852
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2254852
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2254852
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2254852
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2254852
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2254852
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2254852
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.314	0.927		1	WG2254852
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.07	2.63	J	1	WG2254852



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2254852
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2254852
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2254852
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2254852
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2254852
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.253	0.953	J	1	WG2254852
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2254852
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2254852
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2254852
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2254852
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2254852
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2254852
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2254852
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2254852
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2254852
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2254852
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2254852
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2254852
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.1				WG2254852

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.29	14.9	J4	1	WG2254852
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.826	1.39	J	1	WG2254852
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2254852
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2254852
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.224	0.716		1	WG2254852
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2254852
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2254852
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2254852
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2254852
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2254852
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2254852
Butane	106-97-8	58	0.0522	0.200	0.474	0.829	1.97		1	WG2254852
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2254852
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2254852
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2254852
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2254852
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2254852
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.710	1.47		1	WG2254852
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2254852
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2254852
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2254852
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2254852
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2254852
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2254852
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2254852
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2254852
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2254852
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2254852
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2254852
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2254852
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2254852
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2254852
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2254852
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2254852
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2254852
Ethanol	64-17-5	46.10	0.265	2.50	4.71	88.8	167		1	WG2254852
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2254852
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2254852
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.224	1.26		1	WG2254852
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.521	2.58		1	WG2254852
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2254852
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2254852
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2254852
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2254852
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2254852
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2254852
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.168	0.583	J	1	WG2254852
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2254852
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.604	1.78	J	1	WG2254852
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2254852
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2254852
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2254852
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2254852
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2254852
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.480	1.42		1	WG2254852
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.27	3.12		1	WG2254852



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2254852
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2254852
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2254852
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2254852
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2254852
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.803	3.02		1	WG2254852
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2254852
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2254852
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2254852
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2254852
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2254852
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2254852
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2254852
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2254852
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2254852
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2254852
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	0.378	1.64	U	1	WG2254852
o-Xylene	95-47-6	106	0.0828	0.200	0.867	0.160	0.694	U	1	WG2254852
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		94.2				WG2254852

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	6.17	14.7	J4	1	WG2254852
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	2.52	4.23	J	1	WG2254852
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2254852
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2254852
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.169	0.540	J	1	WG2254852
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2254852
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2254852
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2254852
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2254852
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2254852
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2254852
Butane	106-97-8	58	0.0522	0.200	0.474	0.682	1.62		1	WG2254852
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2254852
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0838	0.528	J	1	WG2254852
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2254852
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2254852
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2254852
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.815	1.68		1	WG2254852
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2254852
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2254852
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2254852
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2254852
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2254852
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2254852
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2254852
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2254852
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2254852
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2254852
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2254852
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2254852
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2254852
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2254852
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2254852
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2254852
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2254852
Ethanol	64-17-5	46.10	0.265	2.50	4.71	23.1	43.6		1	WG2254852
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2254852
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2254852
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.220	1.24		1	WG2254852
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.503	2.49		1	WG2254852
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0925	0.709	J	1	WG2254852
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2254852
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2254852
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2254852
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2254852
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2254852
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.321	1.11		1	WG2254852
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2254852
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	U	U		1	WG2254852
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2254852
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2254852
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2254852
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2254852
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2254852
Pentane	109-66-0	72.15	0.0503	0.200	0.590	0.390	1.15		1	WG2254852
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	0.810	1.99	J	1	WG2254852

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2254852
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2254852
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2254852
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2254852
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2254852
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.375	1.41	J	1	WG2254852
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2254852
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2254852
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2254852
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2254852
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2254852
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2254852
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2254852
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2254852
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2254852
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2254852
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2254852
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2254852
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		95.2				WG2254852

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	19.2	45.6	J4	1	WG2254852
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.973	1.63	J	1	WG2254852
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.24	2.69	J	1	WG2254852
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2254852
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.747	2.39		1	WG2254852
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2254852
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2254852
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2254852
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2254852
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2254852
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2254852
Butane	106-97-8	58	0.0522	0.200	0.474	U	U		1	WG2254852
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2254852
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0917	0.578	J	1	WG2254852
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2254852
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	0.146	0.385	J	1	WG2254852
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2254852
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	1.09	2.25		1	WG2254852
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2254852
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2254852
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2254852
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2254852
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2254852
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2254852
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2254852
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2254852
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2254852
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2254852
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2254852
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2254852
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2254852
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2254852
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2254852
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2254852
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2254852
Ethanol	64-17-5	46.10	0.265	2.50	4.71	26.0	49.0		1	WG2254852
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2254852
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2254852
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.238	1.34		1	WG2254852
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.539	2.67		1	WG2254852
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0948	0.727	J	1	WG2254852
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2254852
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2254852
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2254852
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2254852
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.136	0.669	J	1	WG2254852
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.267	0.927		1	WG2254852
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2254852
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.643	1.90	J	1	WG2254852
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2254852
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2254852
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2254852
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2254852
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2254852
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2254852
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.05	2.58	J	1	WG2254852



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2254852
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2254852
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2254852
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2254852
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2254852
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.55	5.84		1	WG2254852
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2254852
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2254852
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2254852
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2254852
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2254852
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2254852
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2254852
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2254852
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2254852
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2254852
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2254852
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2254852
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		95.8				WG2254852

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	10.8	25.7	J4	1	WG2254852
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	0.630	1.06	J	1	WG2254852
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2254852
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2254852
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.985	3.15		1	WG2254852
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2254852
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2254852
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2254852
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2254852
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2254852
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2254852
Butane	106-97-8	58	0.0522	0.200	0.474	0.499	1.18		1	WG2254852
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2254852
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0837	0.527	J	1	WG2254852
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2254852
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2254852
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2254852
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	1.08	2.23		1	WG2254852
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2254852
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2254852
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2254852
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2254852
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2254852
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2254852
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2254852
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2254852
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2254852
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2254852
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2254852
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2254852
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2254852
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2254852
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2254852
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2254852
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2254852
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.63	12.5		1	WG2254852
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2254852
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2254852
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.217	1.22		1	WG2254852
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.480	2.37		1	WG2254852
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0916	0.702	J	1	WG2254852
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2254852
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2254852
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2254852
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2254852
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	0.588	2.89		1	WG2254852
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.243	0.844		1	WG2254852
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2254852
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	1.26	3.72		1	WG2254852
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2254852
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2254852
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2254852
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2254852
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2254852
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2254852
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	U	U		1	WG2254852



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2254852
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2254852
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2254852
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2254852
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2254852
Toluene	108-88-3	92.10	0.0870	0.500	1.88	1.71	6.44		1	WG2254852
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2254852
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2254852
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2254852
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2254852
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2254852
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2254852
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2254852
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2254852
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2254852
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2254852
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2254852
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2254852
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		97.0				WG2254852

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	0.584	1.25	2.97	5.69	13.5	J4	1	WG2254852
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	1.44	2.42	J	1	WG2254852
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2254852
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U		1	WG2254852
Benzene	71-43-2	78.10	0.0715	0.200	0.639	0.153	0.489	J	1	WG2254852
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2254852
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2254852
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2254852
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2254852
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2254852
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2254852
Butane	106-97-8	58	0.0522	0.200	0.474	0.831	1.97		1	WG2254852
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2254852
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	0.0869	0.547	J	1	WG2254852
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2254852
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2254852
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2254852
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.616	1.27		1	WG2254852
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2254852
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2254852
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2254852
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2254852
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2254852
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2254852
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2254852
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2254852
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2254852
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2254852
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2254852
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2254852
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2254852
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2254852
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2254852
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2254852
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2254852
Ethanol	64-17-5	46.10	0.265	2.50	4.71	6.42	12.1		1	WG2254852
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2254852
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2254852
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	0.240	1.35		1	WG2254852
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.501	2.48		1	WG2254852
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	0.0828	0.635	J	1	WG2254852
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2254852
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2254852
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2254852
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2254852
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2254852
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	0.253	0.879		1	WG2254852
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2254852
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	0.309	0.911	J	1	WG2254852
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2254852
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2254852
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2254852
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2254852
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2254852
Pentane	109-66-0	72.15	0.0503	0.200	0.590	U	U		1	WG2254852
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	1.36	3.34		1	WG2254852

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

8

Gl

9

Al

10

Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2254852
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2254852
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2254852
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2254852
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2254852
Toluene	108-88-3	92.10	0.0870	0.500	1.88	0.378	1.42	J	1	WG2254852
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2254852
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2254852
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2254852
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2254852
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2254852
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2254852
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2254852
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2254852
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2254852
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2254852
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2254852
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2254852
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		95.6				WG2254852

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4050672-3 03/27/24 12:28

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4050672-3 03/27/24 12:28

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	96.7			60.0-140

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4050672-1 03/27/24 10:03 • (LCSD) R4050672-2 03/27/24 11:59

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	4.94	4.83	132	129	70.0-130	J4		2.25	25
Acetonitrile	18.8	18.0	17.6	95.7	93.6	70.0-130			2.25	25
Acrylonitrile	3.75	3.47	3.64	92.5	97.1	70.0-130			4.78	25
Allyl chloride	3.75	3.80	3.71	101	98.9	70.0-130			2.40	25
Benzene	3.75	3.58	3.72	95.5	99.2	70.0-130			3.84	25
Benzyl Chloride	3.75	3.42	3.31	91.2	88.3	70.0-152			3.27	25
Bromodichloromethane	3.75	3.50	3.73	93.3	99.5	70.0-130			6.36	25
Bromoform	3.75	3.39	3.44	90.4	91.7	70.0-130			1.46	25
Bromomethane	3.75	3.70	3.58	98.7	95.5	70.0-130			3.30	25
Bromoethane	3.75	3.70	3.55	98.7	94.7	70.0-130			4.14	25
1,3-Butadiene	3.75	3.80	3.65	101	97.3	70.0-130			4.03	25
Butane	3.75	3.59	3.58	95.7	95.5	70.0-130			0.279	25
Carbon disulfide	3.75	3.64	3.56	97.1	94.9	70.0-130			2.22	25
Carbon tetrachloride	3.75	3.61	3.59	96.3	95.7	70.0-130			0.556	25
Chlorobenzene	3.75	3.73	3.68	99.5	98.1	70.0-130			1.35	25
Chloroethane	3.75	3.45	3.66	92.0	97.6	70.0-130			5.91	25
Chloroform	3.75	3.78	3.86	101	103	70.0-130			2.09	25
Chloromethane	3.75	3.81	3.67	102	97.9	70.0-130			3.74	25
2-Chlorotoluene	3.75	3.67	3.62	97.9	96.5	70.0-130			1.37	25
Cyclohexane	3.75	3.62	3.88	96.5	103	70.0-130			6.93	25
n-Decane	3.75	3.92	3.99	105	106	70.0-130			1.77	25
Dibromochloromethane	3.75	3.58	3.61	95.5	96.3	70.0-130			0.834	25
1,2-Dibromoethane	3.75	3.53	3.67	94.1	97.9	70.0-130			3.89	25
1,2-Dichlorobenzene	3.75	3.77	3.79	101	101	70.0-130			0.529	25
1,3-Dichlorobenzene	3.75	3.62	3.73	96.5	99.5	70.0-130			2.99	25
1,4-Dichlorobenzene	3.75	3.84	3.71	102	98.9	70.0-130			3.44	25
1,2-Dichloroethane	3.75	3.71	3.69	98.9	98.4	70.0-130			0.541	25
1,1-Dichloroethane	3.75	3.62	3.77	96.5	101	70.0-130			4.06	25
1,1-Dichloroethene	3.75	3.81	3.81	102	102	70.0-130			0.000	25
cis-1,2-Dichloroethene	3.75	3.77	3.77	101	101	70.0-130			0.000	25
trans-1,2-Dichloroethene	3.75	3.77	3.69	101	98.4	70.0-130			2.14	25
1,2-Dichloropropane	3.75	3.62	3.56	96.5	94.9	70.0-130			1.67	25
cis-1,3-Dichloropropene	3.75	3.70	3.68	98.7	98.1	70.0-130			0.542	25
trans-1,3-Dichloropropene	3.75	3.60	3.60	96.0	96.0	70.0-130			0.000	25
1,4-Dioxane	3.75	3.93	3.71	105	98.9	70.0-140			5.76	25
Ethanol	3.75	3.21	3.04	85.6	81.1	55.0-148			5.44	25
Ethylbenzene	3.75	3.69	3.64	98.4	97.1	70.0-130			1.36	25
4-Ethyltoluene	3.75	3.88	3.88	103	103	70.0-130			0.000	25
Trichlorofluoromethane	3.75	3.80	3.79	101	101	70.0-130			0.264	25
Dichlorodifluoromethane	3.75	3.70	3.77	98.7	101	64.0-139			1.87	25

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4050672-1 03/27/24 10:03 • (LCSD) R4050672-2 03/27/24 11:59

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.61	3.83	96.3	102	70.0-130			5.91	25
1,2-Dichlorotetrafluoroethane	3.75	3.81	3.75	102	100	70.0-130			1.59	25
Heptane	3.75	3.71	3.75	98.9	100	70.0-130			1.07	25
Hexachloro-1,3-butadiene	3.75	3.53	3.59	94.1	95.7	70.0-151			1.69	25
n-Hexane	3.75	3.88	3.77	103	101	70.0-130			2.88	25
Isopropylbenzene	3.75	3.63	3.63	96.8	96.8	70.0-130			0.000	25
Methylene Chloride	3.75	3.83	3.67	102	97.9	70.0-130			4.27	25
Methyl Butyl Ketone	3.75	3.83	4.15	102	111	70.0-149			8.02	25
2-Butanone (MEK)	3.75	3.56	3.60	94.9	96.0	70.0-130			1.12	25
4-Methyl-2-pentanone (MIBK)	3.75	3.86	4.01	103	107	70.0-139			3.81	25
Methyl methacrylate	3.75	3.89	3.78	104	101	70.0-130			2.87	25
MTBE	3.75	3.68	3.73	98.1	99.5	70.0-130			1.35	25
Naphthalene	3.75	3.71	3.71	98.9	98.9	70.0-159			0.000	25
Nonane	3.75	4.07	4.06	109	108	70.0-130			0.246	25
Pentane	3.75	3.69	3.55	98.4	94.7	70.0-130			3.87	25
2-Propanol	3.75	3.67	3.74	97.9	99.7	70.0-139			1.89	25
Propene	3.75	3.71	3.52	98.9	93.9	64.0-144			5.26	25
Styrene	3.75	3.78	3.93	101	105	70.0-130			3.89	25
1,1,2,2-Tetrachloroethane	3.75	3.52	3.60	93.9	96.0	70.0-130			2.25	25
Tetrachloroethylene	3.75	3.67	3.70	97.9	98.7	70.0-130			0.814	25
Tetrahydrofuran	3.75	3.81	3.72	102	99.2	70.0-137			2.39	25
Toluene	3.75	3.68	3.72	98.1	99.2	70.0-130			1.08	25
1,2,4-Trichlorobenzene	3.75	3.70	3.59	98.7	95.7	70.0-160			3.02	25
1,1,1-Trichloroethane	3.75	3.69	3.75	98.4	100	70.0-130			1.61	25
1,1,2-Trichloroethane	3.75	3.58	3.58	95.5	95.5	70.0-130			0.000	25
Trichloroethylene	3.75	3.65	3.80	97.3	101	70.0-130			4.03	25
1,2,4-Trimethylbenzene	3.75	3.84	3.93	102	105	70.0-130			2.32	25
1,3,5-Trimethylbenzene	3.75	3.82	3.83	102	102	70.0-130			0.261	25
2,2,4-Trimethylpentane	3.75	3.81	3.77	102	101	70.0-130			1.06	25
Vinyl chloride	3.75	3.74	3.78	99.7	101	70.0-130			1.06	25
Vinyl Bromide	3.75	3.61	3.65	96.3	97.3	70.0-130			1.10	25
Vinyl acetate	3.75	3.61	3.39	96.3	90.4	70.0-130			6.29	25
m&p-Xylene	7.50	7.63	7.56	102	101	70.0-130			0.922	25
o-Xylene	3.75	3.86	3.86	103	103	70.0-130			0.000	25
(S) 1,4-Bromofluorobenzene				97.0	100	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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.
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.
J4	The associated batch QC was outside the established quality control range for accuracy.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



CTEH

THE SCIENCE OF READY™

CHAIN OF CUSTODY AND ANALYSIS

Sample Receipt Checklist
 OOC Seal Present/Intact: ☒ Y ☐ N Airs _____
 OOC Signed/Accurate: ☒ Y ☐ N Size: 1L _____ 6L _____ 8 1.4L
 Bot. les arrive intact: ☒ Y ☐ N Tape Color: G _____ W _____ F _____ B _____
 Correct bottles used: ☒ Y ☐ N Tubing _____ Shunt _____

T/P#:

Send Report to ahenault@cteh.com, mreilly@cteh.com
 Company CTEH, LLC
 Address 5120 North Shore Drive, North Little Rock, Arkansas 72118
 Phone (501)801-8500
 e-mail labresults@cteh.com
 Accounting Send invoices to CTEHAP@montrose-env.com with Invoice # and Vendor name in subject line

CTEH Project #032692Turnaround Requested: ☒ Normal ☐ Same Day ☐ Next Day☐ Two Day ☐ Other (Specify) _____Data Packet Requested: ☒ Standard Level II ☐ Other _____

Sample and Extract Retention/Disposal:

Dispose after 2X hold time ☒Retain w/ storage fees after 2X hold time ☐

L1718782

Lab Contact Information	Primary Sample Identification	Minican #	Regulator #	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initial Pressure	Final Pressure	Initials	Method					Matrix
											T0-15					
	MTWA0316MC002	12748	28265	03/16/24	1007	03/17/24	0950	-29	-4	RS	✓	-	-	-	-	01 A
	MTWA0316MC002CL	11111	29331	03/16/24	1007	03/17/24	0950	-28	-4	RS	✓	-	-	-	-	02 A
	MTWA0317MC002	14555	22595	3/17/24	1009	3/18/24	0949	-29	-3	RS	✓	-	-	-	-	03 A
	MTWA0318MC002	8228	23422	3/18/24	1000	3/19/24	0948	-30	-1	RS	✓	-	-	-	-	04 A
	MTWA0319MC002	21525	11700	3/19/24	1001	3/20/24	0943	-29	-7	RS	✓	-	-	-	-	05 A
	MTWA0320MC002	13311	23543	3/20/24	0959	3/21/24	0950	-30	-2	RS	✓	-	-	-	-	06 A
	MTWA0321MC002	13288	15374	3/21/24	0955	3/22/24	1012	-30	-1	RS	✓	-	-	-	-	07 A
	MTWA0322MC002	12857	9977	3/22/24	1015	3/23/24	0950	-30	-4	RS	✓	-	-	-	-	08 A
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Ruben Saldana	03/23/24 1131	Federx		
		Justin Orpin	3/24/24 1030	

CTEH - ER

Sample Delivery Group: L1718784
Samples Received: 03/26/2024
Project Number: 032692
Description:

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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

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

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SAMPLE SUMMARY

MTWA0323MC002 L1718784-01 Air

Collected by
Ruben S

Collected date/time
03/24/24 09:43

Received date/time
03/26/24 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2254845	1	03/27/24 16:34	03/27/24 16:34	DAH	Mt. Juliet, TN

¹Cp ${}^2\text{Tc}$ ^3S_s ${}^4\text{Cn}$ ${}^5\text{Ds}$ ${}^6\text{Sr}$ ${}^7\text{Qc}$ ${}^8\text{Gf}$ ${}^9\text{Al}$ ^{10}Sc

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.



Jared Starkey
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2254845	(LCS) R4050637-2, L1718784-01	Allyl chloride

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2254845	(LCSD) R4050637-3, L1718784-01	Allyl chloride



DETECTION SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

Client ID	Lab Sample ID	Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Diluti on	Batch	1 Cp
MTWA0323MC002	L1718784-01	Acetone	67-64-1	58.10	0.584	1.25	2.97	3.72	8.84		1	WG225484 5	2 Tc
MTWA0323MC002	L1718784-01	Butane	106-97-8	58	0.0522	0.200	0.474	0.687	1.63		1	WG225484 5	3 Ss
MTWA0323MC002	L1718784-01	Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.754	1.56		1	WG225484 5	4 Cn
MTWA0323MC002	L1718784-01	Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.76	16.5		1	WG225484 5	5 Ds
MTWA0323MC002	L1718784-01	Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.565	2.79		1	WG225484 5	6 Sr
MTWA0323MC002	L1718784-01	2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	6.10	18.0		1	WG225484 5	7 Qc
MTWA0323MC002	L1718784-01	Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.93	5.70		1	WG225484 5	8 Gl
MTWA0323MC002	L1718784-01	2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.02	4.97		1	WG225484 5	9 Al
													10 Sc

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	MDL1	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ppbv	ug/m3	ppbv	ug/m3			
Acetone	67-64-1	58.10	0.584	1.25	2.97	3.72	8.84		1	WG2254845
Acetonitrile	75-05-8	41.05	0.235	5.00	8.39	U	U		1	WG2254845
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2254845
Allyl chloride	107-05-1	76.53	0.114	0.200	0.626	U	U	J3 J4	1	WG2254845
Benzene	71-43-2	78.10	0.0715	0.200	0.639	U	U		1	WG2254845
Benzyl Chloride	100-44-7	127	0.0598	0.200	1.04	U	U		1	WG2254845
Bromodichloromethane	75-27-4	164	0.0702	0.200	1.34	U	U		1	WG2254845
Bromoform	75-25-2	253	0.0732	0.600	6.21	U	U		1	WG2254845
Bromomethane	74-83-9	94.90	0.0982	0.200	0.776	U	U		1	WG2254845
Bromoethane	74-96-4	108.97	0.216	5.00	22.3	U	U		1	WG2254845
1,3-Butadiene	106-99-0	54.10	0.104	2.00	4.43	U	U		1	WG2254845
Butane	106-97-8	58	0.0522	0.200	0.474	0.687	1.63		1	WG2254845
Carbon disulfide	75-15-0	76.10	0.102	0.200	0.622	U	U		1	WG2254845
Carbon tetrachloride	56-23-5	154	0.0732	0.200	1.26	U	U		1	WG2254845
Chlorobenzene	108-90-7	113	0.0832	0.200	0.924	U	U		1	WG2254845
Chloroethane	75-00-3	64.50	0.0996	0.200	0.528	U	U		1	WG2254845
Chloroform	67-66-3	119	0.0717	0.200	0.973	U	U		1	WG2254845
Chloromethane	74-87-3	50.50	0.103	0.200	0.413	0.754	1.56		1	WG2254845
2-Chlorotoluene	95-49-8	126	0.0828	0.200	1.03	U	U		1	WG2254845
Cyclohexane	110-82-7	84.20	0.0753	0.200	0.689	U	U		1	WG2254845
n-Decane	124-18-5	142.28	0.0784	0.200	1.16	U	U		1	WG2254845
Dibromochloromethane	124-48-1	208	0.0727	0.200	1.70	U	U		1	WG2254845
1,2-Dibromoethane	106-93-4	188	0.0721	0.200	1.54	U	U		1	WG2254845
1,2-Dichlorobenzene	95-50-1	147	0.128	0.200	1.20	U	U		1	WG2254845
1,3-Dichlorobenzene	541-73-1	147	0.182	0.200	1.20	U	U		1	WG2254845
1,4-Dichlorobenzene	106-46-7	147	0.0557	0.200	1.20	U	U		1	WG2254845
1,2-Dichloroethane	107-06-2	99	0.0700	0.200	0.810	U	U		1	WG2254845
1,1-Dichloroethane	75-34-3	98	0.0723	0.200	0.802	U	U		1	WG2254845
1,1-Dichloroethene	75-35-4	96.90	0.0762	0.200	0.793	U	U		1	WG2254845
cis-1,2-Dichloroethene	156-59-2	96.90	0.0784	0.200	0.793	U	U		1	WG2254845
trans-1,2-Dichloroethene	156-60-5	96.90	0.0673	0.200	0.793	U	U		1	WG2254845
1,2-Dichloropropane	78-87-5	113	0.0760	0.200	0.924	U	U		1	WG2254845
cis-1,3-Dichloropropene	10061-01-5	111	0.0689	0.200	0.908	U	U		1	WG2254845
trans-1,3-Dichloropropene	10061-02-6	111	0.0728	0.200	0.908	U	U		1	WG2254845
1,4-Dioxane	123-91-1	88.10	0.0833	0.630	2.27	U	U		1	WG2254845
Ethanol	64-17-5	46.10	0.265	2.50	4.71	8.76	16.5		1	WG2254845
Ethylbenzene	100-41-4	106	0.0835	0.200	0.867	U	U		1	WG2254845
4-Ethyltoluene	622-96-8	120	0.0783	0.200	0.982	U	U		1	WG2254845
Trichlorofluoromethane	75-69-4	137.40	0.0819	0.200	1.12	U	U		1	WG2254845
Dichlorodifluoromethane	75-71-8	120.92	0.137	0.200	0.989	0.565	2.79		1	WG2254845
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0793	0.200	1.53	U	U		1	WG2254845
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0890	0.200	1.40	U	U		1	WG2254845
Heptane	142-82-5	100	0.104	0.200	0.818	U	U		1	WG2254845
Hexachloro-1,3-butadiene	87-68-3	261	0.105	0.630	6.73	U	U		1	WG2254845
n-Hexane	110-54-3	86.20	0.206	0.630	2.22	U	U		1	WG2254845
Isopropylbenzene	98-82-8	120.20	0.0777	0.200	0.983	U	U		1	WG2254845
Methylene Chloride	75-09-2	84.90	0.0979	0.200	0.694	U	U		1	WG2254845
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2254845
2-Butanone (MEK)	78-93-3	72.10	0.0814	1.25	3.69	6.10	18.0		1	WG2254845
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.0765	1.25	5.12	U	U		1	WG2254845
Methyl methacrylate	80-62-6	100.12	0.0876	0.200	0.819	U	U		1	WG2254845
MTBE	1634-04-4	88.10	0.0647	0.200	0.721	U	U		1	WG2254845
Naphthalene	91-20-3	128	0.350	0.630	3.30	U	U		1	WG2254845
Nonane	111-84-2	128.26	0.0363	0.200	1.05	U	U		1	WG2254845
Pentane	109-66-0	72.15	0.0503	0.200	0.590	1.93	5.70		1	WG2254845
2-Propanol	67-63-0	60.10	0.264	1.25	3.07	2.02	4.97		1	WG2254845

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Propene	115-07-1	42.10	0.0932	1.25	2.15	U	U		1	WG2254845
Styrene	100-42-5	104	0.0788	0.200	0.851	U	U		1	WG2254845
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0743	0.200	1.37	U	U		1	WG2254845
Tetrachloroethylene	127-18-4	166	0.0814	0.200	1.36	U	U		1	WG2254845
Tetrahydrofuran	109-99-9	72.10	0.0734	0.200	0.590	U	U		1	WG2254845
Toluene	108-88-3	92.10	0.0870	0.500	1.88	U	U		1	WG2254845
1,2,4-Trichlorobenzene	120-82-1	181	0.148	0.630	4.66	U	U		1	WG2254845
1,1,1-Trichloroethane	71-55-6	133	0.0736	0.200	1.09	U	U		1	WG2254845
1,1,2-Trichloroethane	79-00-5	133	0.0775	0.200	1.09	U	U		1	WG2254845
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2254845
1,2,4-Trimethylbenzene	95-63-6	120	0.0764	0.200	0.982	U	U		1	WG2254845
1,3,5-Trimethylbenzene	108-67-8	120	0.0779	0.200	0.982	U	U		1	WG2254845
2,2,4-Trimethylpentane	540-84-1	114.22	0.133	0.200	0.934	U	U		1	WG2254845
Vinyl chloride	75-01-4	62.50	0.0949	0.200	0.511	U	U		1	WG2254845
Vinyl Bromide	593-60-2	106.95	0.0852	0.200	0.875	U	U		1	WG2254845
Vinyl acetate	108-05-4	86.10	0.116	0.630	2.22	U	U		1	WG2254845
m&p-Xylene	179601-23-1	106	0.135	0.400	1.73	U	U		1	WG2254845
o-Xylene	95-47-6	106	0.0828	0.200	0.867	U	U		1	WG2254845
(S) 1,4-Bromofluorobenzene	460-00-4	175		60.0-140		95.2				WG2254845

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4050637-1 03/27/24 10:38

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Acetonitrile	U		0.235	5.00
Acrylonitrile	U		0.226	5.00
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Bromoethane	U		0.216	5.00
1,3-Butadiene	U		0.104	2.00
Butane	U		0.0522	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
n-Decane	U		0.0784	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4050637-1 03/27/24 10:38

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
Nonane	U		0.0363	0.200
Pentane	U		0.0503	0.200
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	90.4			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4050637-2 03/27/24 11:29 • (LCSD) R4050637-3 03/27/24 12:21

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	3.75	4.23	4.05	113	108	70.0-130			4.35	25
Acetonitrile	18.8	18.7	20.0	99.5	106	70.0-130			6.72	25
Acrylonitrile	3.75	4.02	4.16	107	111	70.0-130			3.42	25
Allyl chloride	3.75	4.96	3.79	132	101	70.0-130	J4	J3	26.7	25
Benzene	3.75	3.88	3.94	103	105	70.0-130			1.53	25
Benzyl Chloride	3.75	3.52	3.49	93.9	93.1	70.0-152			0.856	25
Bromodichloromethane	3.75	3.82	3.89	102	104	70.0-130			1.82	25
Bromoform	3.75	3.84	3.80	102	101	70.0-130			1.05	25
Bromomethane	3.75	3.98	3.84	106	102	70.0-130			3.58	25
Bromoethane	3.75	4.04	4.00	108	107	70.0-130			0.995	25
1,3-Butadiene	3.75	3.67	3.77	97.9	101	70.0-130			2.69	25
Butane	3.75	4.01	3.94	107	105	70.0-130			1.76	25
Carbon disulfide	3.75	4.07	4.03	109	107	70.0-130			0.988	25
Carbon tetrachloride	3.75	4.03	4.02	107	107	70.0-130			0.248	25
Chlorobenzene	3.75	3.98	3.96	106	106	70.0-130			0.504	25
Chloroethane	3.75	4.46	4.41	119	118	70.0-130			1.13	25
Chloroform	3.75	4.15	4.23	111	113	70.0-130			1.91	25
Chloromethane	3.75	4.11	4.05	110	108	70.0-130			1.47	25
2-Chlorotoluene	3.75	3.96	3.99	106	106	70.0-130			0.755	25
Cyclohexane	3.75	4.11	4.24	110	113	70.0-130			3.11	25
n-Decane	3.75	4.02	3.97	107	106	70.0-130			1.25	25
Dibromochloromethane	3.75	3.85	3.83	103	102	70.0-130			0.521	25
1,2-Dibromoethane	3.75	3.83	4.07	102	109	70.0-130			6.08	25
1,2-Dichlorobenzene	3.75	4.17	4.18	111	111	70.0-130			0.240	25
1,3-Dichlorobenzene	3.75	4.28	4.29	114	114	70.0-130			0.233	25
1,4-Dichlorobenzene	3.75	4.38	4.30	117	115	70.0-130			1.84	25
1,2-Dichloroethane	3.75	3.95	3.90	105	104	70.0-130			1.27	25
1,1-Dichloroethane	3.75	3.98	4.02	106	107	70.0-130			1.00	25
1,1-Dichloroethene	3.75	4.12	4.08	110	109	70.0-130			0.976	25
cis-1,2-Dichloroethene	3.75	3.99	3.94	106	105	70.0-130			1.26	25
trans-1,2-Dichloroethene	3.75	4.02	4.03	107	107	70.0-130			0.248	25
1,2-Dichloropropane	3.75	3.84	4.04	102	108	70.0-130			5.08	25
cis-1,3-Dichloropropene	3.75	3.87	4.05	103	108	70.0-130			4.55	25
trans-1,3-Dichloropropene	3.75	3.99	3.95	106	105	70.0-130			1.01	25
1,4-Dioxane	3.75	4.04	4.22	108	113	70.0-140			4.36	25
Ethanol	3.75	3.77	3.63	101	96.8	55.0-148			3.78	25
Ethylbenzene	3.75	4.12	4.02	110	107	70.0-130			2.46	25
4-Ethyltoluene	3.75	4.24	4.13	113	110	70.0-130			2.63	25
Trichlorofluoromethane	3.75	4.13	4.05	110	108	70.0-130			1.96	25
Dichlorodifluoromethane	3.75	3.96	3.99	106	106	64.0-139			0.755	25

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4050637-2 03/27/24 11:29 • (LCSD) R4050637-3 03/27/24 12:21

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	3.75	3.98	4.02	106	107	70.0-130			1.00	25
1,2-Dichlorotetrafluoroethane	3.75	4.10	4.03	109	107	70.0-130			1.72	25
Heptane	3.75	3.97	3.80	106	101	70.0-130			4.38	25
Hexachloro-1,3-butadiene	3.75	4.00	4.01	107	107	70.0-151			0.250	25
n-Hexane	3.75	4.10	4.07	109	109	70.0-130			0.734	25
Isopropylbenzene	3.75	4.07	4.05	109	108	70.0-130			0.493	25
Methylene Chloride	3.75	3.87	3.95	103	105	70.0-130			2.05	25
Methyl Butyl Ketone	3.75	3.87	4.05	103	108	70.0-149			4.55	25
2-Butanone (MEK)	3.75	4.28	4.63	114	123	70.0-130			7.86	25
4-Methyl-2-pentanone (MIBK)	3.75	3.94	4.01	105	107	70.0-139			1.76	25
Methyl methacrylate	3.75	4.13	4.27	110	114	70.0-130			3.33	25
MTBE	3.75	3.94	3.98	105	106	70.0-130			1.01	25
Naphthalene	3.75	4.02	4.04	107	108	70.0-159			0.496	25
Nonane	3.75	3.78	3.97	101	106	70.0-130			4.90	25
Pentane	3.75	4.13	4.06	110	108	70.0-130			1.71	25
2-Propanol	3.75	4.15	4.11	111	110	70.0-139			0.969	25
Propene	3.75	3.83	3.69	102	98.4	64.0-144			3.72	25
Styrene	3.75	4.12	4.08	110	109	70.0-130			0.976	25
1,1,2,2-Tetrachloroethane	3.75	4.07	3.93	109	105	70.0-130			3.50	25
Tetrachloroethylene	3.75	4.02	4.04	107	108	70.0-130			0.496	25
Tetrahydrofuran	3.75	3.97	4.09	106	109	70.0-137			2.98	25
Toluene	3.75	3.93	4.05	105	108	70.0-130			3.01	25
1,2,4-Trichlorobenzene	3.75	3.69	3.68	98.4	98.1	70.0-160			0.271	25
1,1,1-Trichloroethane	3.75	4.03	3.99	107	106	70.0-130			0.998	25
1,1,2-Trichloroethane	3.75	3.97	3.99	106	106	70.0-130			0.503	25
Trichloroethylene	3.75	3.94	4.09	105	109	70.0-130			3.74	25
1,2,4-Trimethylbenzene	3.75	4.07	4.08	109	109	70.0-130			0.245	25
1,3,5-Trimethylbenzene	3.75	3.85	3.93	103	105	70.0-130			2.06	25
2,2,4-Trimethylpentane	3.75	4.09	4.07	109	109	70.0-130			0.490	25
Vinyl chloride	3.75	4.09	4.13	109	110	70.0-130			0.973	25
Vinyl Bromide	3.75	4.08	4.13	109	110	70.0-130			1.22	25
Vinyl acetate	3.75	4.01	3.99	107	106	70.0-130			0.500	25
m&p-Xylene	7.50	8.23	8.27	110	110	70.0-130			0.485	25
o-Xylene	3.75	3.96	3.95	106	105	70.0-130			0.253	25
(S) 1,4-Bromofluorobenzene				97.9	96.1	60.0-140				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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.
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

J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



Appendix F

Data Validation Reports

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1689341
Report Date: February 23, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the eight air samples collected on December 15 and 17, 2023, at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were collectively analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratories for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1689341.

The samples that have undergone Level 2 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA1216MC001	L1689341-01	L1689341	Air	12/17/23	VOC
MTWA1216MC002	L1689341-02	L1689341	Air	12/17/23	VOC
MTWA1216MC003	L1689341-03	L1689341	Air	12/17/23	VOC
MTWA1216MC004	L1689341-04	L1689341	Air	12/17/23	VOC
MTWA1214MC001	L1689341-05	L1689341	Air	12/15/23	VOC
MTWA1214MC002	L1689341-06	L1689341	Air	12/15/23	VOC
MTWA1214MC003	L1689341-07	L1689341	Air	12/15/23	VOC
MTWA1214MC004	L1689341-08	L1689341	Air	12/15/23	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.



Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)

Comments

1. Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on January 31, 2024. A final revised analytical report and EDD were provided on February 20, 2024.
2. FedEx did not sign and date the Relinquished By field on the COC Record.
3. The COC Record documented a sample collection size of 1.4 liters (L); however, the Sample Receipt Checklist sticker indicated the sample size was 1 L. Upon Environmental Standards' request, the laboratory provided a revised data package with the sample size corrected on the Sample Receipt Checklist sticker of the COC Record.
4. The COC Record documented the sample stop time for sample MTWA1214MC002 as "N/A." Upon Environmental Standards' inquiry, CTEH indicated that the sample canister was found capped upon collection; therefore, the collection stop time is unknown. Qualification of data due to this issue was not warranted.

Based on the items included in this QA review, the following qualifies are offered.

Analyte	Sample	Validation Qualifier	Reason for Qualification
<i>n</i> -decane	MTWA1214MC002	J	L+

- All positive results reported between the MDL and RL should be considered estimated and have been flagged "J" on the data tables. (Reason Code RL)

Review performed by:	Dwight M. Hoster, Quality Assurance Chemist
Review reviewed by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date review completed:	2/23/24

ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID	L1689341-01						L1689341-02					
				Sample Name	MTWA1216MC001						MTWA1216MC002					
				Sample Date	12/17/2023 5:30:00 PM						12/17/2023 11:50:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.793			0.200	0.0764	1	0.227			0.200	0.0764	1
				ug/m3	3.89			0.982	0.375	1	1.11			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.250			0.200	0.0779	1	0.0781	J	RL	0.200	0.0779	1
				ug/m3	1.23			0.982	0.382	1	0.383	J	RL	0.982	0.382	1

				L1689341-01							L1689341-02					
				Sample Name							MTWA1216MC002					
				Sample Date							12/17/2023 11:50:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.418			0.200	0.133	1	0.162	J	RL	0.200	0.133	1
				ug/m3	1.95			0.934	0.621	1	0.757	J	RL	0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.304	J	RL	1.25	0.0814	1	0.196	J	RL	1.25	0.0814	1
				ug/m3	0.896	J	RL	3.69	0.240	1	0.578	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.952	J	RL	1.25	0.264	1	1.01	J	RL	1.25	0.264	1
				ug/m3	2.34	J	RL	3.07	0.649	1	2.48	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.266			0.200	0.0783	1	0.0857	J	RL	0.200	0.0783	1
				ug/m3	1.31			0.982	0.384	1	0.421	J	RL	0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	4.81			1.25	0.584	1	2.51			1.25	0.584	1
				ug/m3	11.4			2.97	1.39	1	5.96			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID	L1689341-01						L1689341-02					
				Sample Name	MTWA1216MC001						MTWA1216MC002					
				Sample Date	12/17/2023 5:30:00 PM						12/17/2023 11:50:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.641			0.200	0.0715	1	0.270			0.200	0.0715	1
				ug/m3	2.05			0.639	0.228	1	0.862			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	2.07			0.200	0.0522	1	0.965			0.200	0.0522	1
				ug/m3	4.91			0.474	0.124	1	2.29			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.128	J	RL	0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.398	J	RL	0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.539			0.200	0.103	1	0.402			0.200	0.103	1
				ug/m3	1.11			0.413	0.213	1	0.830			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1689341-02					
				Sample Name							MTWA1216MC002					
				Sample Date							12/17/2023 11:50:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	2.40			0.200	0.0753	1	0.902			0.200	0.0753	1
				ug/m3	8.27			0.689	0.259	1	3.11			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.401			0.200	0.137	1	0.398			0.200	0.137	1
				ug/m3	1.98			0.989	0.678	1	1.97			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	6.88			2.50	0.265	1	3.19			2.50	0.265	1
				ug/m3	13.0			4.71	0.500	1	6.01			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	1.16			0.200	0.0835	1	0.411			0.200	0.0835	1
				ug/m3	5.03			0.867	0.362	1	1.78			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	2.53			0.200	0.104	1	0.949			0.200	0.104	1
				ug/m3	10.3			0.818	0.425	1	3.88			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.193	J	RL	0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.949	J	RL	0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	3.88			0.400	0.135	1	1.38			0.400	0.135	1
				ug/m3	16.8			1.73	0.585	1	5.98			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.348			0.200	0.0979	1	0.195	J	RL	0.200	0.0979	1
				ug/m3	1.21			0.694	0.340	1	0.677	J	RL	0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1689341-02					
				Sample Name							MTWA1216MC002					
				Sample Date							12/17/2023 11:50:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	2.04			0.630	0.206	1	0.776			0.630	0.206	1
				ug/m3	7.19			2.22	0.726	1	2.74			2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.287			0.200	0.0363	1	0.116	J	RL	0.200	0.0363	1
				ug/m3	1.51			1.05	0.190	1	0.609	J	RL	1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	1.59			0.200	0.0828	1	0.552			0.200	0.0828	1
				ug/m3	6.89			0.867	0.359	1	2.39			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	2.80			0.200	0.0503	1	1.10			0.200	0.0503	1
				ug/m3	8.26			0.590	0.148	1	3.25			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	8.01			0.500	0.0870	1	2.72			0.500	0.0870	1
				ug/m3	30.2			1.88	0.328	1	10.2			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1689341-01						L1689341-02					
				Sample Name	MTWA1216MC001						MTWA1216MC002					
				Sample Date	12/17/2023 5:30:00 PM						12/17/2023 11:50:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.191	J	RL	0.200	0.0819	1	0.189	J	RL	0.200	0.0819	1
				ug/m3	1.07	J	RL	1.12	0.460	1	1.06	J	RL	1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1689341-03						L1689341-04					
				Sample Name	MTWA1216MC003						MTWA1216MC004					
				Sample Date	12/17/2023 1:43:00 PM						12/17/2023 1:25:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	1.43			0.200	0.0764	1	0.563			0.200	0.0764	1
				ug/m3	7.02			0.982	0.375	1	2.76			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.421			0.200	0.0779	1	0.186	J	RL	0.200	0.0779	1
				ug/m3	2.07			0.982	0.382	1	0.913	J	RL	0.982	0.382	1

				L1689341-03							L1689341-04					
				Sample Name							MTWA1216MC004					
				Sample Date							12/17/2023 1:43:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.735			0.200	0.133	1	0.374			0.200	0.133	1
				ug/m3	3.43			0.934	0.621	1	1.75			0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.422	J	RL	1.25	0.0814	1	0.486	J	RL	1.25	0.0814	1
				ug/m3	1.24	J	RL	3.69	0.240	1	1.43	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	8.92			1.25	0.264	1	7.60			1.25	0.264	1
				ug/m3	21.9			3.07	0.649	1	18.7			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.492			0.200	0.0783	1	0.201			0.200	0.0783	1
				ug/m3	2.41			0.982	0.384	1	0.987			0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	6.10			1.25	0.584	1	4.65			1.25	0.584	1
				ug/m3	14.5			2.97	1.39	1	11.0			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	1.23	J	RL	5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	2.67	J	RL	10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				L1689341-03							L1689341-04											
				Sample Name							MTWA1216MC003						MTWA1216MC004					
				Sample Date							12/17/2023 1:43:00 PM						12/17/2023 1:25:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Benzene	71-43-2	T	ppbv	0.640			0.200	0.0715	1	0.484			0.200	0.0715	1						
				ug/m3	2.04			0.639	0.228	1	1.55			0.639	0.228	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	3.03			0.200	0.0522	1	1.97			0.200	0.0522	1						
				ug/m3	7.19			0.474	0.124	1	4.67			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1						
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1						
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1						
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	0.454			0.200	0.103	1	0.444			0.200	0.103	1						
				ug/m3	0.938			0.413	0.213	1	0.917			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				Lab Sample ID							L1689341-03						L1689341-04					
				Sample Name							MTWA1216MC003						MTWA1216MC004					
				Sample Date							12/17/2023 1:43:00 PM						12/17/2023 1:25:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1						
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1						
	Cyclohexane	110-82-7	T	ppbv	4.06			0.200	0.0753	1	1.90			0.200	0.0753	1						
				ug/m3	14.0			0.689	0.259	1	6.54			0.689	0.259	1						
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1						
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1						
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.407			0.200	0.137	1	0.395			0.200	0.137	1						
				ug/m3	2.01			0.989	0.678	1	1.95			0.989	0.678	1						
	Ethanol	64-17-5	T	ppbv	47.2			2.50	0.265	1	35.4			2.50	0.265	1						
				ug/m3	89.0			4.71	0.500	1	66.7			4.71	0.500	1						
	Ethylbenzene	100-41-4	T	ppbv	2.13			0.200	0.0835	1	0.988			0.200	0.0835	1						
				ug/m3	9.23			0.867	0.362	1	4.28			0.867	0.362	1						
	Heptane	142-82-5	T	ppbv	4.36			0.200	0.104	1	1.98			0.200	0.104	1						
				ug/m3	17.8			0.818	0.425	1	8.10			0.818	0.425	1						
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1						
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1						
	Isopropylbenzene	98-82-8	T	ppbv	0.144	J	RL	0.200	0.0777	1	0.0777	U		0.200	0.0777	1						
				ug/m3	0.708	J	RL	0.983	0.382	1	0.382	U		0.983	0.382	1						
	m&p-Xylene	179601-23-1	T	ppbv	7.08			0.400	0.135	1	3.26			0.400	0.135	1						
				ug/m3	30.7			1.73	0.585	1	14.1			1.73	0.585	1						
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1						
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1						
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1						
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1						
	Methylene Chloride	75-09-2	T	ppbv	0.783			0.200	0.0979	1	0.822			0.200	0.0979	1						
				ug/m3	2.72			0.694	0.340	1	2.85			0.694	0.340	1						
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1						
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1						

				Lab Sample ID							L1689341-04					
				Sample Name							MTWA1216MC004					
				Sample Date							12/17/2023 1:25:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	3.57			0.630	0.206	1	1.85			0.630	0.206	1
				ug/m3	12.6			2.22	0.726	1	6.52			2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.551			0.200	0.0363	1	0.238			0.200	0.0363	1
				ug/m3	2.89			1.05	0.190	1	1.25			1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	2.86			0.200	0.0828	1	1.30			0.200	0.0828	1
				ug/m3	12.4			0.867	0.359	1	5.64			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	5.18			0.200	0.0503	1	2.86			0.200	0.0503	1
				ug/m3	15.3			0.590	0.148	1	8.44			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	13.1			0.500	0.0870	1	6.12			0.500	0.0870	1
				ug/m3	49.3			1.88	0.328	1	23.1			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1689341-03						L1689341-04					
				Sample Name	MTWA1216MC003						MTWA1216MC004					
				Sample Date	12/17/2023 1:43:00 PM						12/17/2023 1:25:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.197	J	RL	0.200	0.0819	1	0.189	J	RL	0.200	0.0819	1
				ug/m3	1.11	J	RL	1.12	0.460	1	1.06	J	RL	1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1689341-05						L1689341-06					
				Sample Name	MTWA1214MC001						MTWA1214MC002					
				Sample Date	12/15/2023 5:45:00 PM						12/15/2023 12:00:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.596			0.200	0.0764	1	0.314			0.200	0.0764	1
				ug/m3	2.93			0.982	0.375	1	1.54			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.195	J	RL	0.200	0.0779	1	0.101	J	RL	0.200	0.0779	1
				ug/m3	0.957	J	RL	0.982	0.382	1	0.496	J	RL	0.982	0.382	1

				L1689341-05							L1689341-06											
				Sample Name							MTWA1214MC001						MTWA1214MC002					
				Sample Date							12/15/2023 5:45:00 PM						12/15/2023 12:00:00 AM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1						
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1						
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1						
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1						
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1						
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1						
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1						
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1						
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.450			0.200	0.133	1	0.255			0.200	0.133	1						
				ug/m3	2.10			0.934	0.621	1	1.19			0.934	0.621	1						
	2-Butanone (MEK)	78-93-3	T	ppbv	0.301	J	RL	1.25	0.0814	1	0.0814	U		1.25	0.0814	1						
				ug/m3	0.888	J	RL	3.69	0.240	1	0.240	U		3.69	0.240	1						
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1						
	2-Propanol	67-63-0	T	ppbv	1.34			1.25	0.264	1	1.23	J	RL	1.25	0.264	1						
				ug/m3	3.29			3.07	0.649	1	3.02	J	RL	3.07	0.649	1						
	4-Ethyltoluene	622-96-8	T	ppbv	0.195	J	RL	0.200	0.0783	1	0.110	J	RL	0.200	0.0783	1						
				ug/m3	0.957	J	RL	0.982	0.384	1	0.540	J	RL	0.982	0.384	1						
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1						
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1						
	Acetone	67-64-1	T	ppbv	2.87			1.25	0.584	1	5.82			1.25	0.584	1						
				ug/m3	6.82			2.97	1.39	1	13.8			2.97	1.39	1						
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1						
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1						
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1						
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1						
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1						
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1						

				Lab Sample ID							L1689341-05						L1689341-06					
				Sample Name							MTWA1214MC001						MTWA1214MC002					
				Sample Date							12/15/2023 5:45:00 PM						12/15/2023 12:00:00 AM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.502			0.200	0.0715	1	0.438			0.200	0.0715	1						
				ug/m3	1.60			0.639	0.228	1	1.40			0.639	0.228	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	2.21			0.200	0.0522	1	1.22			0.200	0.0522	1						
				ug/m3	5.24			0.474	0.124	1	2.89			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1						
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1						
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.157	J	RL	0.200	0.0996	1						
				ug/m3	0.263	U		0.528	0.263	1	0.414	J	RL	0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	0.493			0.200	0.103	1	0.554			0.200	0.103	1						
				ug/m3	1.02			0.413	0.213	1	1.14			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				Lab Sample ID							L1689341-05							L1689341-06						
				Sample Name							MTWA1214MC001							MTWA1214MC002						
				Sample Date							12/15/2023 5:45:00 PM							12/15/2023 12:00:00 AM						
				Sample Type							TRG							TRG						
				% Moisture																				
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF		Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1		0.0689	U		0.200	0.0689	1	
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1		0.313	U		0.908	0.313	1	
	Cyclohexane	110-82-7	T	ppbv	2.58			0.200	0.0753	1	1.05			0.200	0.0753	1		1.05			0.200	0.0753	1	
				ug/m3	8.88			0.689	0.259	1	3.62			0.689	0.259	1		3.62			0.689	0.259	1	
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1		0.0727	U		0.200	0.0727	1	
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1		0.618	U		1.70	0.618	1	
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.410			0.200	0.137	1	0.429			0.200	0.137	1		0.429			0.200	0.137	1	
				ug/m3	2.03			0.989	0.678	1	2.12			0.989	0.678	1		2.12			0.989	0.678	1	
	Ethanol	64-17-5	T	ppbv	8.62			2.50	0.265	1	14.3			2.50	0.265	1		14.3			2.50	0.265	1	
				ug/m3	16.3			4.71	0.500	1	27.0			4.71	0.500	1		27.0			4.71	0.500	1	
	Ethylbenzene	100-41-4	T	ppbv	1.09			0.200	0.0835	1	0.553			0.200	0.0835	1		0.553			0.200	0.0835	1	
				ug/m3	4.73			0.867	0.362	1	2.40			0.867	0.362	1		2.40			0.867	0.362	1	
	Heptane	142-82-5	T	ppbv	2.55			0.200	0.104	1	2.95			0.200	0.104	1		2.95			0.200	0.104	1	
				ug/m3	10.4			0.818	0.425	1	12.1			0.818	0.425	1		12.1			0.818	0.425	1	
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1		0.105	U		0.630	0.105	1	
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1		1.12	U		6.73	1.12	1	
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1		0.0777	U		0.200	0.0777	1	
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1		0.382	U		0.983	0.382	1	
	m&p-Xylene	179601-23-1	T	ppbv	3.59			0.400	0.135	1	1.80			0.400	0.135	1		1.80			0.400	0.135	1	
				ug/m3	15.6			1.73	0.585	1	7.80			1.73	0.585	1		7.80			1.73	0.585	1	
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1		0.133	U		1.25	0.133	1	
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1		0.544	U		5.11	0.544	1	
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1		0.0876	U		0.200	0.0876	1	
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1		0.359	U		0.819	0.359	1	
	Methylene Chloride	75-09-2	T	ppbv	0.381			0.200	0.0979	1	0.366			0.200	0.0979	1		0.366			0.200	0.0979	1	
				ug/m3	1.32			0.694	0.340	1	1.27			0.694	0.340	1		1.27			0.694	0.340	1	
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1		0.0647	U		0.200	0.0647	1	
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1		0.233	U		0.721	0.233	1	

				Lab Sample ID							L1689341-05						L1689341-06					
				Sample Name							MTWA1214MC001						MTWA1214MC002					
				Sample Date							12/15/2023 5:45:00 PM						12/15/2023 12:00:00 AM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1						
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1						
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0921	J	RL,L+	0.200	0.0784	1						
				ug/m3	0.456	U		1.16	0.456	1	0.536	J	RL,L+	1.16	0.456	1						
	n-Hexane	110-54-3	T	ppbv	2.14			0.630	0.206	1	0.988			0.630	0.206	1						
				ug/m3	7.54			2.22	0.726	1	3.48			2.22	0.726	1						
	Nonane	111-84-2	T	ppbv	0.252			0.200	0.0363	1	0.165	J	RL	0.200	0.0363	1						
				ug/m3	1.32			1.05	0.190	1	0.866	J	RL	1.05	0.190	1						
	o-Xylene	95-47-6	T	ppbv	1.42			0.200	0.0828	1	0.718			0.200	0.0828	1						
				ug/m3	6.16			0.867	0.359	1	3.11			0.867	0.359	1						
	Pentane	109-66-0	T	ppbv	3.07			0.200	0.0503	1	1.88			0.200	0.0503	1						
				ug/m3	9.06			0.590	0.148	1	5.55			0.590	0.148	1						
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1						
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1						
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1						
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1						
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1						
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1						
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1						
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1						
	Toluene	108-88-3	T	ppbv	7.58			0.500	0.0870	1	5.13			0.500	0.0870	1						
				ug/m3	28.6			1.88	0.328	1	19.3			1.88	0.328	1						
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1						
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1						
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1						
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1						
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1						
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1						

				Lab Sample ID	L1689341-05						L1689341-06					
				Sample Name	MTWA1214MC001						MTWA1214MC002					
				Sample Date	12/15/2023 5:45:00 PM						12/15/2023 12:00:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.199	J	RL	0.200	0.0819	1	0.208			0.200	0.0819	1
				ug/m3	1.12	J	RL	1.12	0.460	1	1.17			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1689341-07						L1689341-08					
				Sample Name	MTWA1214MC003						MTWA1214MC004					
				Sample Date	12/15/2023 5:01:00 PM						12/15/2023 5:25:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	1.75			0.200	0.0764	1	0.428			0.200	0.0764	1
				ug/m3	8.59			0.982	0.375	1	2.10			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.522			0.200	0.0779	1	0.124	J	RL	0.200	0.0779	1
				ug/m3	2.56			0.982	0.382	1	0.609	J	RL	0.982	0.382	1

				L1689341-07							L1689341-08											
				Sample Name							MTWA1214MC003						MTWA1214MC004					
				Sample Date							12/15/2023 5:01:00 PM						12/15/2023 5:25:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1						
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1						
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1						
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1						
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1						
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1						
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1						
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1						
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.845			0.200	0.133	1	0.328			0.200	0.133	1						
				ug/m3	3.95			0.934	0.621	1	1.53			0.934	0.621	1						
	2-Butanone (MEK)	78-93-3	T	ppbv	1.34			1.25	0.0814	1	0.663	J	RL	1.25	0.0814	1						
				ug/m3	3.95			3.69	0.240	1	1.96	J	RL	3.69	0.240	1						
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1						
	2-Propanol	67-63-0	T	ppbv	1.21	J	RL	1.25	0.264	1	1.27			1.25	0.264	1						
				ug/m3	2.97	J	RL	3.07	0.649	1	3.12			3.07	0.649	1						
	4-Ethyltoluene	622-96-8	T	ppbv	0.596			0.200	0.0783	1	0.157	J	RL	0.200	0.0783	1						
				ug/m3	2.93			0.982	0.384	1	0.771	J	RL	0.982	0.384	1						
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1						
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1						
	Acetone	67-64-1	T	ppbv	21.1			1.25	0.584	1	7.53			1.25	0.584	1						
				ug/m3	50.1			2.97	1.39	1	17.9			2.97	1.39	1						
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1						
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1						
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1						
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1						
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1						
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1						

				L1689341-07							L1689341-08											
				Sample Name							MTWA1214MC003						MTWA1214MC004					
				Sample Date							12/15/2023 5:01:00 PM						12/15/2023 5:25:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Benzene	71-43-2	T	ppbv	1.35			0.200	0.0715	1	0.405			0.200	0.0715	1						
				ug/m3	4.31			0.639	0.228	1	1.29			0.639	0.228	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	3.48			0.200	0.0522	1	1.64			0.200	0.0522	1						
				ug/m3	8.26			0.474	0.124	1	3.89			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.158	J	RL	0.200	0.102	1	0.301			0.200	0.102	1						
				ug/m3	0.492	J	RL	0.622	0.317	1	0.937			0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1						
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.304			0.200	0.0996	1	0.0996	U		0.200	0.0996	1						
				ug/m3	0.802			0.528	0.263	1	0.263	U		0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	0.618			0.200	0.103	1	0.521			0.200	0.103	1						
				ug/m3	1.28			0.413	0.213	1	1.08			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				Lab Sample ID							L1689341-07						L1689341-08					
				Sample Name							MTWA1214MC003						MTWA1214MC004					
				Sample Date							12/15/2023 5:01:00 PM						12/15/2023 5:25:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	4.87			0.200	0.0753	1	1.72			0.200	0.0753	1	1.72			0.200	0.0753	1
				ug/m3	16.8			0.689	0.259	1	5.92			0.689	0.259	1	5.92			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.417			0.200	0.137	1	0.429			0.200	0.137	1	0.429			0.200	0.137	1
				ug/m3	2.06			0.989	0.678	1	2.12			0.989	0.678	1	2.12			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	23.4			2.50	0.265	1	9.02			2.50	0.265	1	9.02			2.50	0.265	1
				ug/m3	44.1			4.71	0.500	1	17.0			4.71	0.500	1	17.0			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	2.72			0.200	0.0835	1	0.809			0.200	0.0835	1	0.809			0.200	0.0835	1
				ug/m3	11.8			0.867	0.362	1	3.51			0.867	0.362	1	3.51			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	6.08			0.200	0.104	1	1.76			0.200	0.104	1	1.76			0.200	0.104	1
				ug/m3	24.9			0.818	0.425	1	7.20			0.818	0.425	1	7.20			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.170	J	RL	0.200	0.0777	1	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.836	J	RL	0.983	0.382	1	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	9.02			0.400	0.135	1	2.60			0.400	0.135	1	2.60			0.400	0.135	1
				ug/m3	39.1			1.73	0.585	1	11.3			1.73	0.585	1	11.3			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.485			0.200	0.0979	1	0.402			0.200	0.0979	1	0.402			0.200	0.0979	1
				ug/m3	1.68			0.694	0.340	1	1.40			0.694	0.340	1	1.40			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID	L1689341-07						L1689341-08					
				Sample Name	MTWA1214MC003						MTWA1214MC004					
				Sample Date	12/15/2023 5:01:00 PM						12/15/2023 5:25:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	4.34			0.630	0.206	1	1.48			0.630	0.206	1
				ug/m3	15.3			2.22	0.726	1	5.22			2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.664			0.200	0.0363	1	0.179	J	RL	0.200	0.0363	1
				ug/m3	3.48			1.05	0.190	1	0.939	J	RL	1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	3.54			0.200	0.0828	1	1.04			0.200	0.0828	1
				ug/m3	15.3			0.867	0.359	1	4.51			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	5.62			0.200	0.0503	1	2.09			0.200	0.0503	1
				ug/m3	16.6			0.590	0.148	1	6.17			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	20.8			0.500	0.0870	1	5.58			0.500	0.0870	1
				ug/m3	78.4			1.88	0.328	1	21.0			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1689341-07						L1689341-08					
				Sample Name	MTWA1214MC003						MTWA1214MC004					
				Sample Date	12/15/2023 5:01:00 PM						12/15/2023 5:25:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.194	J	RL	0.200	0.0819	1	0.205			0.200	0.0819	1
				ug/m3	1.09	J	RL	1.12	0.460	1	1.15			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1690789
Report Date: February 22, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the nine air samples collected on December 18 and 19, 2023, at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratories for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1690789.

The samples that have undergone Level 2 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA1217MC001	L1690789-01	L1690789	Air	12/18/23	VOC
MTWA1217MC001D (Field Duplicate of MTWA1217MC001)	L1690789-02	L1690789	Air	12/18/23	VOC
MTWA1217MC002	L1690789-03	L1690789	Air	12/18/23	VOC
MTWA1217MC003	L1690789-04	L1690789	Air	12/18/23	VOC
MTWA1218MC001	L1690789-05	L1690789	Air	12/19/23	VOC
MTWA1218MC001D (Field Duplicate of MTWA1218MC001)	L1690789-06	L1690789	Air	12/19/23	VOC
MTWA1218MC002	L1690789-07	L1690789	Air	12/19/23	VOC
MTWA1218MC003	L1690789-08	L1690789	Air	12/19/23	VOC
MTWA1218MC004	L1690789-09	L1690789	Air	12/19/23	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.

Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Field Duplicate Results
Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)	

Comments

1. Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on January 31, 2024.
2. Two field duplicate pairs (sample MTWA1217MC001 and its field duplicate, sample MTWA1217MC001D and sample MTWA1218MC001 and its field duplicate, sample MTWA1218MC001D), were collected and analyzed for VOCs with this data set. Acceptable precision was observed between the field duplicate pair results with the exceptions noted in the table below.
3. The ethanol result in sample MTWA1217MC001D exceeded the linear calibration range of the instrument for the VOC analyses; however, the sample was not diluted and reanalyzed by the laboratory. Qualification of data due to this issue is addressed in the subsequent qualifier table.

Based on the items included in this QA review, the following qualifiers are offered.

Analyte(s)	Sample(s)	Validation Qualifier(s)	Reason for Qualification
methylene chloride	MTWA1217MC001, MTWA1217MC002, MTWA1217MC003, MTWA1218MC001, MTWA1218MC001D, MTWA1218MC002, MTWA1218MC003, and MTWA1218MC004	U	BL
2-propanol, acetone, cyclohexane, ethanol, ethylbenzene, heptane, m&p-xylene, methylene chloride, o-xylene, pentane, and toluene	MTWA1217MC001 and MTWA1217MC001D	J/UJ (unless previously flagged "U")	FD
acetone	MTWA1218MC001 and MTWA1218MC001D	J	FD
ethanol	MTWA1217MC001D	J	E

- All positive results reported between the MDL and RL should be considered estimated and have been flagged “J” on the data tables. (Reason Code RL)

Review performed by:	Kassidy R. Hooper, Quality Assurance Chemist
Review reviewed by:	Konstadina Vlahogiani, Senior Quality Assurance Chemist
Review approved by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date review completed:	2/22/24



ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID	L1690789-01						L1690789-02					
				Sample Name	MTWA1217MC001						MTWA1217MC001D					
				Sample Date	12/18/2023 4:05:00 PM						12/18/2023 4:05:00 PM					
				Sample Type	TRG						FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.390			0.200	0.0764	1	0.154	J	RL	0.200	0.0764	1
				ug/m3	1.91			0.982	0.375	1	0.756	J	RL	0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.117	J	RL	0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.574	J	RL	0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1690789-02					
				Sample Name							MTWA1217MC001D					
				Sample Date							12/18/2023 4:05:00 PM					
				Sample Type							FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.320			0.200	0.133	1	0.175	J	RL	0.200	0.133	1
				ug/m3	1.49			0.934	0.621	1	0.818	J	RL	0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.341	J	RL	1.25	0.0814	1	0.317	J	RL	1.25	0.0814	1
				ug/m3	1.01	J	RL	3.69	0.240	1	0.935	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.21	J	RL,FD	1.25	0.264	1	33.4	J	FD	1.25	0.264	1
				ug/m3	2.97	J	RL,FD	3.07	0.649	1	82.1	J	FD	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.133	J	RL	0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.653	J	RL	0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.150	J	RL	1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.614	J	RL	5.12	0.313	1
	Acetone	67-64-1	T	ppbv	4.31	J	FD	1.25	0.584	1	8.94	J	FD	1.25	0.584	1
				ug/m3	10.2	J	FD	2.97	1.39	1	21.2	J	FD	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1690789-01					
				Sample Name							MTWA1217MC001					
				Sample Date							12/18/2023 4:05:00 PM					
				Sample Type							TRG					
				% Moisture												
											L1690789-02					
											MTWA1217MC001D					
											12/18/2023 4:05:00 PM					
											FD					
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.402			0.200	0.0715	1	0.362			0.200	0.0715	1
				ug/m3	1.28			0.639	0.228	1	1.16			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	3.18			0.200	0.0522	1	3.09			0.200	0.0522	1
				ug/m3	7.54			0.474	0.124	1	7.33			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.470			0.200	0.103	1	0.565			0.200	0.103	1
				ug/m3	0.971			0.413	0.213	1	1.17			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1690789-02					
				Sample Name							MTWA1217MC001D					
				Sample Date							12/18/2023 4:05:00 PM					
				Sample Type							FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	1.51	J	FD	0.200	0.0753	1	0.378	J	FD	0.200	0.0753	1
				ug/m3	5.20	J	FD	0.689	0.259	1	1.30	J	FD	0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.448			0.200	0.137	1	0.462			0.200	0.137	1
				ug/m3	2.22			0.989	0.678	1	2.28			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	5.16	J	FD	2.50	0.265	1	181	J	E,FD	2.50	0.265	1
				ug/m3	9.73	J	FD	4.71	0.500	1	341	J	E,FD	4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.761	J	FD	0.200	0.0835	1	0.227	J	FD	0.200	0.0835	1
				ug/m3	3.30	J	FD	0.867	0.362	1	0.984	J	FD	0.867	0.362	1
	Heptane	142-82-5	T	ppbv	1.65	J	FD	0.200	0.104	1	0.497	J	FD	0.200	0.104	1
				ug/m3	6.75	J	FD	0.818	0.425	1	2.03	J	FD	0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	2.45	J	FD	0.400	0.135	1	0.696	J	FD	0.400	0.135	1
				ug/m3	10.6	J	FD	1.73	0.585	1	3.02	J	FD	1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.305	U	BL,FD	0.305	0.305	1	5.19	J	FD	0.200	0.0979	1
				ug/m3	1.06	U	BL,FD	1.06	1.06	1	18.0	J	FD	0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1690789-02					
				Sample Name							MTWA1217MC001D					
				Sample Date							12/18/2023 4:05:00 PM					
				Sample Type							FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	1.31			0.630	0.206	1	1.30			0.630	0.206	1
				ug/m3	4.62			2.22	0.726	1	4.58			2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.150	J	RL	0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.787	J	RL	1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.962	J	FD	0.200	0.0828	1	0.273	J	FD	0.200	0.0828	1
				ug/m3	4.17	J	FD	0.867	0.359	1	1.18	J	FD	0.867	0.359	1
	Pentane	109-66-0	T	ppbv	2.22	J	FD	0.200	0.0503	1	6.53	J	FD	0.200	0.0503	1
				ug/m3	6.55	J	FD	0.590	0.148	1	19.3	J	FD	0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	5.01	J	FD	0.500	0.0870	1	1.96	J	FD	0.500	0.0870	1
				ug/m3	18.9	J	FD	1.88	0.328	1	7.38	J	FD	1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1690789-01						L1690789-02					
				Sample Name	MTWA1217MC001						MTWA1217MC001D					
				Sample Date	12/18/2023 4:05:00 PM						12/18/2023 4:05:00 PM					
				Sample Type	TRG						FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.214			0.200	0.0819	1	0.214			0.200	0.0819	1
				ug/m3	1.20			1.12	0.460	1	1.20			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1690789-04					
				Sample Name							MTWA1217MC003					
				Sample Date							12/18/2023 11:45:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.159	J	RL	0.200	0.0764	1	1.18			0.200	0.0764	1
				ug/m3	0.780	J	RL	0.982	0.375	1	5.79			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.373			0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	1.83			0.982	0.382	1

				Lab Sample ID							L1690789-04					
				Sample Name							MTWA1217MC003					
				Sample Date							12/18/2023 11:45:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.145	J	RL	0.200	0.133	1	0.689			0.200	0.133	1
				ug/m3	0.677	J	RL	0.934	0.621	1	3.22			0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.272	J	RL	1.25	0.0814	1	0.584	J	RL	1.25	0.0814	1
				ug/m3	0.802	J	RL	3.69	0.240	1	1.72	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.744	J	RL	1.25	0.264	1	1.33			1.25	0.264	1
				ug/m3	1.83	J	RL	3.07	0.649	1	3.27			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.373			0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	1.83			0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.80			1.25	0.584	1	8.64			1.25	0.584	1
				ug/m3	9.03			2.97	1.39	1	20.5			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID	L1690789-03						L1690789-04					
				Sample Name	MTWA1217MC002						MTWA1217MC003					
				Sample Date	12/18/2023 12:10:00 PM						12/18/2023 11:45:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.324			0.200	0.0715	1	0.730			0.200	0.0715	1
				ug/m3	1.03			0.639	0.228	1	2.33			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	2.27			0.200	0.0522	1	4.46			0.200	0.0522	1
				ug/m3	5.38			0.474	0.124	1	10.6			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.481			0.200	0.103	1	0.491			0.200	0.103	1
				ug/m3	0.993			0.413	0.213	1	1.01			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1690789-04					
				Sample Name							MTWA1217MC003					
				Sample Date							12/18/2023 11:45:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.660			0.200	0.0753	1	3.62			0.200	0.0753	1
				ug/m3	2.27			0.689	0.259	1	12.5			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.461			0.200	0.137	1	0.454			0.200	0.137	1
				ug/m3	2.28			0.989	0.678	1	2.25			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	8.25			2.50	0.265	1	15.4			2.50	0.265	1
				ug/m3	15.6			4.71	0.500	1	29.0			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.324			0.200	0.0835	1	2.03			0.200	0.0835	1
				ug/m3	1.40			0.867	0.362	1	8.80			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.678			0.200	0.104	1	4.11			0.200	0.104	1
				ug/m3	2.77			0.818	0.425	1	16.8			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.128	J	RL	0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.629	J	RL	0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.956			0.400	0.135	1	6.84			0.400	0.135	1
				ug/m3	4.14			1.73	0.585	1	29.7			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.321	U	BL	0.321	0.321	1	0.414	U	BL	0.414	0.414	1
				ug/m3	1.11	U	BL	1.11	1.11	1	1.44	U	BL	1.44	1.44	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1690789-04					
				Sample Name							MTWA1217MC003					
				Sample Date							12/18/2023 11:45:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.635			0.630	0.206	1	2.89			0.630	0.206	1
				ug/m3	2.24			2.22	0.726	1	10.2			2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.451			0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	2.37			1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.393			0.200	0.0828	1	2.57			0.200	0.0828	1
				ug/m3	1.70			0.867	0.359	1	11.1			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	1.42			0.200	0.0503	1	4.78			0.200	0.0503	1
				ug/m3	4.19			0.590	0.148	1	14.1			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	2.38			0.500	0.0870	1	13.0			0.500	0.0870	1
				ug/m3	8.97			1.88	0.328	1	49.0			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1690789-03						L1690789-04					
				Sample Name	MTWA1217MC002						MTWA1217MC003					
				Sample Date	12/18/2023 12:10:00 PM						12/18/2023 11:45:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.210			0.200	0.0819	1	0.203			0.200	0.0819	1
				ug/m3	1.18			1.12	0.460	1	1.14			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1690789-05						L1690789-06					
				Sample Name	MTWA1218MC001						MTWA1218MC001D					
				Sample Date	12/19/2023 1:45:00 PM						12/19/2023 12:20:00 PM					
				Sample Type	TRG						FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.477			0.200	0.0764	1	0.373			0.200	0.0764	1
				ug/m3	2.34			0.982	0.375	1	1.83			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.149	J	RL	0.200	0.0779	1	0.121	J	RL	0.200	0.0779	1
				ug/m3	0.731	J	RL	0.982	0.382	1	0.594	J	RL	0.982	0.382	1

				Lab Sample ID							L1690789-06					
				Sample Name							MTWA1218MC001D					
				Sample Date							12/19/2023 12:20:00 PM					
				Sample Type							FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.223			0.200	0.133	1	0.229			0.200	0.133	1
				ug/m3	1.04			0.934	0.621	1	1.07			0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.336	J	RL	1.25	0.0814	1	0.149	J	RL	1.25	0.0814	1
				ug/m3	0.991	J	RL	3.69	0.240	1	0.439	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.912	J	RL	1.25	0.264	1	0.984	J	RL	1.25	0.264	1
				ug/m3	2.24	J	RL	3.07	0.649	1	2.42	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.134	J	RL	0.200	0.0783	1	0.130	J	RL	0.200	0.0783	1
				ug/m3	0.658	J	RL	0.982	0.384	1	0.638	J	RL	0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	7.27	J	FD	1.25	0.584	1	2.68	J	FD	1.25	0.584	1
				ug/m3	17.3	J	FD	2.97	1.39	1	6.37	J	FD	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1690789-05						L1690789-06					
				Sample Name							MTWA1218MC001						MTWA1218MC001D					
				Sample Date							12/19/2023 1:45:00 PM						12/19/2023 12:20:00 PM					
				Sample Type							TRG						FD					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.583			0.200	0.0715	1	0.447			0.200	0.0715	1	0.447			0.200	0.0715	1
				ug/m3	1.86			0.639	0.228	1	1.43			0.639	0.228	1	1.43			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	1.60			0.200	0.0522	1	1.69			0.200	0.0522	1	1.69			0.200	0.0522	1
				ug/m3	3.80			0.474	0.124	1	4.01			0.474	0.124	1	4.01			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.682			0.200	0.103	1	0.542			0.200	0.103	1	0.542			0.200	0.103	1
				ug/m3	1.41			0.413	0.213	1	1.12			0.413	0.213	1	1.12			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1690789-05						L1690789-06					
				Sample Name							MTWA1218MC001						MTWA1218MC001D					
				Sample Date							12/19/2023 1:45:00 PM						12/19/2023 12:20:00 PM					
				Sample Type							TRG						FD					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1						
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1						
	Cyclohexane	110-82-7	T	ppbv	1.17			0.200	0.0753	1	1.23			0.200	0.0753	1						
				ug/m3	4.03			0.689	0.259	1	4.24			0.689	0.259	1						
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1						
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1						
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.450			0.200	0.137	1	0.459			0.200	0.137	1						
				ug/m3	2.23			0.989	0.678	1	2.27			0.989	0.678	1						
	Ethanol	64-17-5	T	ppbv	7.32			2.50	0.265	1	10.5			2.50	0.265	1						
				ug/m3	13.8			4.71	0.500	1	19.8			4.71	0.500	1						
	Ethylbenzene	100-41-4	T	ppbv	0.604			0.200	0.0835	1	0.604			0.200	0.0835	1						
				ug/m3	2.62			0.867	0.362	1	2.62			0.867	0.362	1						
	Heptane	142-82-5	T	ppbv	1.26			0.200	0.104	1	1.28			0.200	0.104	1						
				ug/m3	5.15			0.818	0.425	1	5.24			0.818	0.425	1						
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1						
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1						
	Isopropylbenzene	98-82-8	T	ppbv	0.118	J	RL	0.200	0.0777	1	0.0777	U		0.200	0.0777	1						
				ug/m3	0.580	J	RL	0.983	0.382	1	0.382	U		0.983	0.382	1						
	m&p-Xylene	179601-23-1	T	ppbv	2.12			0.400	0.135	1	2.01			0.400	0.135	1						
				ug/m3	9.19			1.73	0.585	1	8.71			1.73	0.585	1						
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1						
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1						
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1						
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1						
	Methylene Chloride	75-09-2	T	ppbv	0.368	U	BL	0.368	0.368	1	0.348	U	BL	0.348	0.348	1						
				ug/m3	1.28	U	BL	1.28	1.28	1	1.21	U	BL	1.21	1.21	1						
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1						
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1						

				Lab Sample ID							L1690789-05						L1690789-06					
				Sample Name							MTWA1218MC001						MTWA1218MC001D					
				Sample Date							12/19/2023 1:45:00 PM						12/19/2023 12:20:00 PM					
				Sample Type							TRG						FD					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	1.15			0.630	0.206	1	1.08			0.630	0.206	1	1.08			0.630	0.206	1
				ug/m3	4.05			2.22	0.726	1	3.81			2.22	0.726	1	3.81			2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.136	J	RL	0.200	0.0363	1	0.147	J	RL	0.200	0.0363	1	0.147	J	RL	0.200	0.0363	1
				ug/m3	0.713	J	RL	1.05	0.190	1	0.771	J	RL	1.05	0.190	1	0.771	J	RL	1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.871			0.200	0.0828	1	0.805			0.200	0.0828	1	0.805			0.200	0.0828	1
				ug/m3	3.78			0.867	0.359	1	3.49			0.867	0.359	1	3.49			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	1.65			0.200	0.0503	1	1.80			0.200	0.0503	1	1.80			0.200	0.0503	1
				ug/m3	4.87			0.590	0.148	1	5.31			0.590	0.148	1	5.31			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	4.41			0.500	0.0870	1	4.02			0.500	0.0870	1	4.02			0.500	0.0870	1
				ug/m3	16.6			1.88	0.328	1	15.1			1.88	0.328	1	15.1			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1690789-05						L1690789-06					
				Sample Name	MTWA1218MC001						MTWA1218MC001D					
				Sample Date	12/19/2023 1:45:00 PM						12/19/2023 12:20:00 PM					
				Sample Type	TRG						FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.217			0.200	0.0819	1	0.223			0.200	0.0819	1
				ug/m3	1.22			1.12	0.460	1	1.25			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1690789-07						L1690789-08					
				Sample Name							MTWA1218MC002						MTWA1218MC003					
				Sample Date							12/19/2023 9:38:00 AM						12/19/2023 10:05:00 AM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1						
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1						
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1						
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1						
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1						
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1						
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1						
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1						
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1						
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1						
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1						
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1						
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1						
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1						
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.290			0.200	0.0764	1	0.712			0.200	0.0764	1						
				ug/m3	1.42			0.982	0.375	1	3.49			0.982	0.375	1						
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1						
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1						
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1						
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1						
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1						
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1						
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1						
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1						
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1						
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1						
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0961	J	RL	0.200	0.0779	1	0.234			0.200	0.0779	1						
				ug/m3	0.472	J	RL	0.982	0.382	1	1.15			0.982	0.382	1						

				Lab Sample ID							L1690789-08					
				Sample Name							MTWA1218MC003					
				Sample Date							12/19/2023 10:05:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	J	RL	0.200	0.133	1	0.373			0.200	0.133	1
				ug/m3	0.621	J	RL	0.934	0.621	1	1.74			0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.193	J	RL	1.25	0.0814	1	0.233	J	RL	1.25	0.0814	1
				ug/m3	0.569	J	RL	3.69	0.240	1	0.687	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.836	J	RL	1.25	0.264	1	7.16			1.25	0.264	1
				ug/m3	2.05	J	RL	3.07	0.649	1	17.6			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0956	J	RL	0.200	0.0783	1	0.236			0.200	0.0783	1
				ug/m3	0.469	J	RL	0.982	0.384	1	1.16			0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	2.41			1.25	0.584	1	4.91			1.25	0.584	1
				ug/m3	5.73			2.97	1.39	1	11.7			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID	L1690789-07						L1690789-08					
				Sample Name	MTWA1218MC002						MTWA1218MC003					
				Sample Date	12/19/2023 9:38:00 AM						12/19/2023 10:05:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.553			0.200	0.0715	1	0.433			0.200	0.0715	1
				ug/m3	1.77			0.639	0.228	1	1.38			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	1.33			0.200	0.0522	1	4.00			0.200	0.0522	1
				ug/m3	3.16			0.474	0.124	1	9.49			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0737	J	RL	0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.464	J	RL	1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.524			0.200	0.103	1	0.533			0.200	0.103	1
				ug/m3	1.08			0.413	0.213	1	1.10			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID	L1690789-07						L1690789-08					
				Sample Name	MTWA1218MC002						MTWA1218MC003					
				Sample Date	12/19/2023 9:38:00 AM						12/19/2023 10:05:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.550			0.200	0.0753	1	1.79			0.200	0.0753	1
				ug/m3	1.89			0.689	0.259	1	6.16			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.449			0.200	0.137	1	0.461			0.200	0.137	1
				ug/m3	2.22			0.989	0.678	1	2.28			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	6.21			2.50	0.265	1	44.0			2.50	0.265	1
				ug/m3	11.7			4.71	0.500	1	83.0			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.383			0.200	0.0835	1	1.06			0.200	0.0835	1
				ug/m3	1.66			0.867	0.362	1	4.60			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.581			0.200	0.104	1	2.02			0.200	0.104	1
				ug/m3	2.38			0.818	0.425	1	8.26			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	1.19			0.400	0.135	1	3.73			0.400	0.135	1
				ug/m3	5.16			1.73	0.585	1	16.2			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.539	U	BL	0.539	0.539	1	1.25	U	BL	1.25	1.25	1
				ug/m3	1.87	U	BL	1.87	1.87	1	4.34	U	BL	4.34	4.34	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1690789-08					
				Sample Name							MTWA1218MC003					
				Sample Date							12/19/2023 10:05:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.590	J	RL	0.630	0.206	1	1.70			0.630	0.206	1
				ug/m3	2.08	J	RL	2.22	0.726	1	5.99			2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.274			0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	1.44			1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.407			0.200	0.0828	1	1.41			0.200	0.0828	1
				ug/m3	1.76			0.867	0.359	1	6.11			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.924			0.200	0.0503	1	3.72			0.200	0.0503	1
				ug/m3	2.73			0.590	0.148	1	11.0			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	1.99			0.500	0.0870	1	6.48			0.500	0.0870	1
				ug/m3	7.50			1.88	0.328	1	24.4			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1690789-07						L1690789-08					
				Sample Name	MTWA1218MC002						MTWA1218MC003					
				Sample Date	12/19/2023 9:38:00 AM						12/19/2023 10:05:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.213			0.200	0.0819	1	0.218			0.200	0.0819	1
				ug/m3	1.20			1.12	0.460	1	1.23			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.899			0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	3.17			2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1690789-09					
				Sample Name	MTWA1218MC004					
				Sample Date	12/19/2023 12:47:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.360			0.200	0.0764	1
				ug/m3	1.77			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.112	J	RL	0.200	0.0779	1
				ug/m3	0.550	J	RL	0.982	0.382	1

				Lab Sample ID	L1690789-09					
				Sample Name	MTWA1218MC004					
				Sample Date	12/19/2023 12:47:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.205			0.200	0.133	1
				ug/m3	0.958			0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.197	J	RL	1.25	0.0814	1
				ug/m3	0.581	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.42			1.25	0.264	1
				ug/m3	3.49			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.137	J	RL	0.200	0.0783	1
				ug/m3	0.672	J	RL	0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	4.01			1.25	0.584	1
				ug/m3	9.53			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1

				Lab Sample ID	L1690789-09					
				Sample Name	MTWA1218MC004					
				Sample Date	12/19/2023 12:47:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.340			0.200	0.0715	1
				ug/m3	1.09			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	2.06			0.200	0.0522	1
				ug/m3	4.89			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.503			0.200	0.103	1
				ug/m3	1.04			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1

				Lab Sample ID	L1690789-09					
				Sample Name	MTWA1218MC004					
				Sample Date	12/19/2023 12:47:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.856			0.200	0.0753	1
				ug/m3	2.95			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.428			0.200	0.137	1
				ug/m3	2.12			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	9.52			2.50	0.265	1
				ug/m3	17.9			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.619			0.200	0.0835	1
				ug/m3	2.68			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	1.04			0.200	0.104	1
				ug/m3	4.25			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	2.11			0.400	0.135	1
				ug/m3	9.15			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.406	U	BL	0.406	0.406	1
				ug/m3	1.41	U	BL	1.41	1.41	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1

				Lab Sample ID	L1690789-09					
				Sample Name	MTWA1218MC004					
				Sample Date	12/19/2023 12:47:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.846			0.630	0.206	1
				ug/m3	2.98			2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.144	J	RL	0.200	0.0363	1
				ug/m3	0.755	J	RL	1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.829			0.200	0.0828	1
				ug/m3	3.59			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	1.44			0.200	0.0503	1
				ug/m3	4.25			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	3.48			0.500	0.0870	1
				ug/m3	13.1			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1

Lab Sample ID	L1690789-09									
Sample Name	MTWA1218MC004									
Sample Date	12/19/2023 12:47:00 AM									
Sample Type	TRG									
% Moisture										

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.201			0.200	0.0819	1
				ug/m3	1.13			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1690789
Report Date: March 1, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the nine air samples collected on December 18 and 19, 2023, at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were collectively analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratories for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1690789.

The samples that have undergone Stage 4 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA1217MC001	L1690789-01	L1690789	Air	12/18/23	VOC
MTWA1217MC001D (Field Duplicate of MTWA1217MC001)	L1690789-02	L1690789	Air	12/18/23	VOC
MTWA1217MC002	L1690789-03	L1690789	Air	12/18/23	VOC
MTWA1217MC003	L1690789-04	L1690789	Air	12/18/23	VOC
MTWA1218MC001	L1690789-05	L1690789	Air	12/19/23	VOC
MTWA1218MC001D (Field Duplicate of MTWA1218MC001)	L1690789-06	L1690789	Air	12/19/23	VOC
MTWA1218MC002	L1690789-07	L1690789	Air	12/19/23	VOC
MTWA1218MC003	L1690789-08	L1690789	Air	12/19/23	VOC
MTWA1218MC004	L1690789-09	L1690789	Air	12/19/23	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.

Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Qualitative Review of Sample Results
Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)	Analytical Sequence
Sample Preparation	Internal Standard Recoveries
Quantitation of Positive Results	Initial and Continuing Calibrations
Mass Tuning	Field Duplicate Results

Comments

1. Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on January 31, 2024.
2. Two field duplicate pairs (sample MTWA1217MC001 and its field duplicate, sample MTWA1217MC001D and sample MTWA1218MC001 and its field duplicate, sample MTWA1218MC001D), were collected and analyzed for VOCs with this data set. Acceptable precision was observed between the field duplicate pair results with the exceptions noted in the table below.
3. The ethanol result in sample MTWA1217MC001D exceeded the linear calibration range of the instrument for the VOC analyses; however, the sample was not diluted and reanalyzed by the laboratory. Qualification of data due to this issue is addressed in the subsequent qualifier table.

Based on the items included in this QA review, the following qualifiers are offered.

Analyte(s)	Sample(s)	Validation Qualifier(s)	Reason for Qualification
methylene chloride	MTWA1217MC001, MTWA1217MC002, MTWA1217MC003, MTWA1218MC001, MTWA1218MC001D, MTWA1218MC002, MTWA1218MC003, and MTWA1218MC004	U	BL

Analyte(s)	Sample(s)	Validation Qualifier(s)	Reason for Qualification
1,2,4-trimethylbenzene, 2-propanol, acetone, cyclohexane, ethanol, ethylbenzene, heptane, m&p-xylene, methylene chloride, o-xylene, pentane, and toluene	MTWA1217MC001 and MTWA1217MC001D	J/UJ (unless previously flagged "U")	FD
acetone and ethanol	MTWA1218MC001 and MTWA1218MC001D	J	FD
ethanol	MTWA1217MC001D	J	E

- All positive results reported between the MDL and RL should be considered estimated and have been flagged "J" on the data tables. (Reason Code RL)

Review performed by:	Kassidy R. Hooper, Quality Assurance Chemist
Review reviewed by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date review completed:	3/1/24



ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID	L1690789-01						L1690789-02					
				Sample Name	MTWA1217MC001						MTWA1217MC001D					
				Sample Date	12/18/2023 4:05:00 PM						12/18/2023 4:05:00 PM					
				Sample Type	TRG						FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.390	J	FD	0.200	0.0764	1	0.154	J	RL,FD	0.200	0.0764	1
				ug/m3	1.91	J	FD	0.982	0.375	1	0.756	J	RL,FD	0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.117	J	RL	0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.574	J	RL	0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1690789-02					
				Sample Name							MTWA1217MC001D					
				Sample Date							12/18/2023 4:05:00 PM					
				Sample Type							FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.320			0.200	0.133	1	0.175	J	RL	0.200	0.133	1
				ug/m3	1.49			0.934	0.621	1	0.818	J	RL	0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.341	J	RL	1.25	0.0814	1	0.317	J	RL	1.25	0.0814	1
				ug/m3	1.01	J	RL	3.69	0.240	1	0.935	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.21	J	RL,FD	1.25	0.264	1	33.4	J	FD	1.25	0.264	1
				ug/m3	2.97	J	RL,FD	3.07	0.649	1	82.1	J	FD	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.133	J	RL	0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.653	J	RL	0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.150	J	RL	1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.614	J	RL	5.12	0.313	1
	Acetone	67-64-1	T	ppbv	4.31	J	FD	1.25	0.584	1	8.94	J	FD	1.25	0.584	1
				ug/m3	10.2	J	FD	2.97	1.39	1	21.2	J	FD	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1690789-02					
				Sample Name							MTWA1217MC001D					
				Sample Date							12/18/2023 4:05:00 PM					
				Sample Type							FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.402			0.200	0.0715	1	0.362			0.200	0.0715	1
				ug/m3	1.28			0.639	0.228	1	1.16			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	3.18			0.200	0.0522	1	3.09			0.200	0.0522	1
				ug/m3	7.54			0.474	0.124	1	7.33			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.470			0.200	0.103	1	0.565			0.200	0.103	1
				ug/m3	0.971			0.413	0.213	1	1.17			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1690789-02					
				Sample Name							MTWA1217MC001D					
				Sample Date							12/18/2023 4:05:00 PM					
				Sample Type							FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	1.51	J	FD	0.200	0.0753	1	0.378	J	FD	0.200	0.0753	1
				ug/m3	5.20	J	FD	0.689	0.259	1	1.30	J	FD	0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.448			0.200	0.137	1	0.462			0.200	0.137	1
				ug/m3	2.22			0.989	0.678	1	2.28			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	5.16	J	FD	2.50	0.265	1	181	J	E,FD	2.50	0.265	1
				ug/m3	9.73	J	FD	4.71	0.500	1	341	J	E,FD	4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.761	J	FD	0.200	0.0835	1	0.227	J	FD	0.200	0.0835	1
				ug/m3	3.30	J	FD	0.867	0.362	1	0.984	J	FD	0.867	0.362	1
	Heptane	142-82-5	T	ppbv	1.65	J	FD	0.200	0.104	1	0.497	J	FD	0.200	0.104	1
				ug/m3	6.75	J	FD	0.818	0.425	1	2.03	J	FD	0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	2.45	J	FD	0.400	0.135	1	0.696	J	FD	0.400	0.135	1
				ug/m3	10.6	J	FD	1.73	0.585	1	3.02	J	FD	1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.305	U	BL,FD	0.305	0.305	1	5.19	J	FD	0.200	0.0979	1
				ug/m3	1.06	U	BL,FD	1.06	1.06	1	18.0	J	FD	0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1690789-02					
				Sample Name							MTWA1217MC001D					
				Sample Date							12/18/2023 4:05:00 PM					
				Sample Type							FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	1.31			0.630	0.206	1	1.30			0.630	0.206	1
				ug/m3	4.62			2.22	0.726	1	4.58			2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.150	J	RL	0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.787	J	RL	1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.962	J	FD	0.200	0.0828	1	0.273	J	FD	0.200	0.0828	1
				ug/m3	4.17	J	FD	0.867	0.359	1	1.18	J	FD	0.867	0.359	1
	Pentane	109-66-0	T	ppbv	2.22	J	FD	0.200	0.0503	1	6.53	J	FD	0.200	0.0503	1
				ug/m3	6.55	J	FD	0.590	0.148	1	19.3	J	FD	0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	5.01	J	FD	0.500	0.0870	1	1.96	J	FD	0.500	0.0870	1
				ug/m3	18.9	J	FD	1.88	0.328	1	7.38	J	FD	1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1690789-01						L1690789-02					
				Sample Name	MTWA1217MC001						MTWA1217MC001D					
				Sample Date	12/18/2023 4:05:00 PM						12/18/2023 4:05:00 PM					
				Sample Type	TRG						FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.214			0.200	0.0819	1	0.214			0.200	0.0819	1
				ug/m3	1.20			1.12	0.460	1	1.20			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1690789-03						L1690789-04					
				Sample Name	MTWA1217MC002						MTWA1217MC003					
				Sample Date	12/18/2023 12:10:00 PM						12/18/2023 11:45:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.159	J	RL	0.200	0.0764	1	1.18			0.200	0.0764	1
				ug/m3	0.780	J	RL	0.982	0.375	1	5.79			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.373			0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	1.83			0.982	0.382	1

				Lab Sample ID							L1690789-04					
				Sample Name							MTWA1217MC003					
				Sample Date							12/18/2023 11:45:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.145	J	RL	0.200	0.133	1	0.689			0.200	0.133	1
				ug/m3	0.677	J	RL	0.934	0.621	1	3.22			0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.272	J	RL	1.25	0.0814	1	0.584	J	RL	1.25	0.0814	1
				ug/m3	0.802	J	RL	3.69	0.240	1	1.72	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.744	J	RL	1.25	0.264	1	1.33			1.25	0.264	1
				ug/m3	1.83	J	RL	3.07	0.649	1	3.27			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.373			0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	1.83			0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.80			1.25	0.584	1	8.64			1.25	0.584	1
				ug/m3	9.03			2.97	1.39	1	20.5			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1690789-03					
				Sample Name							MTWA1217MC002					
				Sample Date							12/18/2023 12:10:00 PM					
				Sample Type							TRG					
				% Moisture												
											L1690789-04					

				Lab Sample ID							L1690789-04					
				Sample Name							MTWA1217MC003					
				Sample Date							12/18/2023 11:45:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.660			0.200	0.0753	1	3.62			0.200	0.0753	1
				ug/m3	2.27			0.689	0.259	1	12.5			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.461			0.200	0.137	1	0.454			0.200	0.137	1
				ug/m3	2.28			0.989	0.678	1	2.25			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	8.25			2.50	0.265	1	15.4			2.50	0.265	1
				ug/m3	15.6			4.71	0.500	1	29.0			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.324			0.200	0.0835	1	2.03			0.200	0.0835	1
				ug/m3	1.40			0.867	0.362	1	8.80			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.678			0.200	0.104	1	4.11			0.200	0.104	1
				ug/m3	2.77			0.818	0.425	1	16.8			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.128	J	RL	0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.629	J	RL	0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.956			0.400	0.135	1	6.84			0.400	0.135	1
				ug/m3	4.14			1.73	0.585	1	29.7			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.321	U	BL	0.321	0.321	1	0.414	U	BL	0.414	0.414	1
				ug/m3	1.11	U	BL	1.11	1.11	1	1.44	U	BL	1.44	1.44	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				L1690789-03							L1690789-04					
				Sample Name							MTWA1217MC003					
				Sample Date							12/18/2023 11:45:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.635			0.630	0.206	1	2.89			0.630	0.206	1
				ug/m3	2.24			2.22	0.726	1	10.2			2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.451			0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	2.37			1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.393			0.200	0.0828	1	2.57			0.200	0.0828	1
				ug/m3	1.70			0.867	0.359	1	11.1			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	1.42			0.200	0.0503	1	4.78			0.200	0.0503	1
				ug/m3	4.19			0.590	0.148	1	14.1			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	2.38			0.500	0.0870	1	13.0			0.500	0.0870	1
				ug/m3	8.97			1.88	0.328	1	49.0			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1690789-03						L1690789-04					
				Sample Name	MTWA1217MC002						MTWA1217MC003					
				Sample Date	12/18/2023 12:10:00 PM						12/18/2023 11:45:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.210			0.200	0.0819	1	0.203			0.200	0.0819	1
				ug/m3	1.18			1.12	0.460	1	1.14			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1690789-05						L1690789-06					
				Sample Name	MTWA1218MC001						MTWA1218MC001D					
				Sample Date	12/19/2023 1:45:00 PM						12/19/2023 12:20:00 PM					
				Sample Type	TRG						FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.477			0.200	0.0764	1	0.373			0.200	0.0764	1
				ug/m3	2.34			0.982	0.375	1	1.83			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.149	J	RL	0.200	0.0779	1	0.121	J	RL	0.200	0.0779	1
				ug/m3	0.731	J	RL	0.982	0.382	1	0.594	J	RL	0.982	0.382	1

				Lab Sample ID							L1690789-06					
				Sample Name							MTWA1218MC001D					
				Sample Date							12/19/2023 12:20:00 PM					
				Sample Type							FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.223			0.200	0.133	1	0.229			0.200	0.133	1
				ug/m3	1.04			0.934	0.621	1	1.07			0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.336	J	RL	1.25	0.0814	1	0.149	J	RL	1.25	0.0814	1
				ug/m3	0.991	J	RL	3.69	0.240	1	0.439	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.912	J	RL	1.25	0.264	1	0.984	J	RL	1.25	0.264	1
				ug/m3	2.24	J	RL	3.07	0.649	1	2.42	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.134	J	RL	0.200	0.0783	1	0.130	J	RL	0.200	0.0783	1
				ug/m3	0.658	J	RL	0.982	0.384	1	0.638	J	RL	0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	7.27	J	FD	1.25	0.584	1	2.68	J	FD	1.25	0.584	1
				ug/m3	17.3	J	FD	2.97	1.39	1	6.37	J	FD	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1690789-05							L1690789-06						
				Sample Name							MTWA1218MC001							MTWA1218MC001D						
				Sample Date							12/19/2023 1:45:00 PM							12/19/2023 12:20:00 PM						
				Sample Type							TRG							FD						
				% Moisture																				
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF								
TO-15	Benzene	71-43-2	T	ppbv	0.583			0.200	0.0715	1	0.447			0.200	0.0715	1								
				ug/m3	1.86			0.639	0.228	1	1.43			0.639	0.228	1								
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1								
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1								
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1								
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1								
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1								
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1								
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1								
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1								
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1								
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1								
	Butane	106-97-8	T	ppbv	1.60			0.200	0.0522	1	1.69			0.200	0.0522	1								
				ug/m3	3.80			0.474	0.124	1	4.01			0.474	0.124	1								
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1								
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1								
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1								
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1								
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1								
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1								
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1								
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1								
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1								
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1								
	Chloromethane	74-87-3	T	ppbv	0.682			0.200	0.103	1	0.542			0.200	0.103	1								
				ug/m3	1.41			0.413	0.213	1	1.12			0.413	0.213	1								
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1								
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1								

				Lab Sample ID							L1690789-05							L1690789-06						
				Sample Name							MTWA1218MC001							MTWA1218MC001D						
				Sample Date							12/19/2023 1:45:00 PM							12/19/2023 12:20:00 PM						
				Sample Type							TRG							FD						
				% Moisture																				
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF								
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1								
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1								
	Cyclohexane	110-82-7	T	ppbv	1.17			0.200	0.0753	1	1.23			0.200	0.0753	1								
				ug/m3	4.03			0.689	0.259	1	4.24			0.689	0.259	1								
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1								
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1								
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.450			0.200	0.137	1	0.459			0.200	0.137	1								
				ug/m3	2.23			0.989	0.678	1	2.27			0.989	0.678	1								
	Ethanol	64-17-5	T	ppbv	7.32	J	FD	2.50	0.265	1	10.5	J	FD	2.50	0.265	1								
				ug/m3	13.8	J	FD	4.71	0.500	1	19.8	J	FD	4.71	0.500	1								
	Ethylbenzene	100-41-4	T	ppbv	0.604			0.200	0.0835	1	0.604			0.200	0.0835	1								
				ug/m3	2.62			0.867	0.362	1	2.62			0.867	0.362	1								
	Heptane	142-82-5	T	ppbv	1.26			0.200	0.104	1	1.28			0.200	0.104	1								
				ug/m3	5.15			0.818	0.425	1	5.24			0.818	0.425	1								
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1								
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1								
	Isopropylbenzene	98-82-8	T	ppbv	0.118	J	RL	0.200	0.0777	1	0.0777	U		0.200	0.0777	1								
				ug/m3	0.580	J	RL	0.983	0.382	1	0.382	U		0.983	0.382	1								
	m&p-Xylene	179601-23-1	T	ppbv	2.12			0.400	0.135	1	2.01			0.400	0.135	1								
				ug/m3	9.19			1.73	0.585	1	8.71			1.73	0.585	1								
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1								
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1								
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1								
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1								
	Methylene Chloride	75-09-2	T	ppbv	0.368	U	BL	0.368	0.368	1	0.348	U	BL	0.348	0.348	1								
				ug/m3	1.28	U	BL	1.28	1.28	1	1.21	U	BL	1.21	1.21	1								
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1								
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1								

				Lab Sample ID							L1690789-05						L1690789-06					
				Sample Name							MTWA1218MC001						MTWA1218MC001D					
				Sample Date							12/19/2023 1:45:00 PM						12/19/2023 12:20:00 PM					
				Sample Type							TRG						FD					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	1.15			0.630	0.206	1	1.08			0.630	0.206	1	1.08			0.630	0.206	1
				ug/m3	4.05			2.22	0.726	1	3.81			2.22	0.726	1	3.81			2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.136	J	RL	0.200	0.0363	1	0.147	J	RL	0.200	0.0363	1	0.147	J	RL	0.200	0.0363	1
				ug/m3	0.713	J	RL	1.05	0.190	1	0.771	J	RL	1.05	0.190	1	0.771	J	RL	1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.871			0.200	0.0828	1	0.805			0.200	0.0828	1	0.805			0.200	0.0828	1
				ug/m3	3.78			0.867	0.359	1	3.49			0.867	0.359	1	3.49			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	1.65			0.200	0.0503	1	1.80			0.200	0.0503	1	1.80			0.200	0.0503	1
				ug/m3	4.87			0.590	0.148	1	5.31			0.590	0.148	1	5.31			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	4.41			0.500	0.0870	1	4.02			0.500	0.0870	1	4.02			0.500	0.0870	1
				ug/m3	16.6			1.88	0.328	1	15.1			1.88	0.328	1	15.1			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1690789-05						L1690789-06					
				Sample Name	MTWA1218MC001						MTWA1218MC001D					
				Sample Date	12/19/2023 1:45:00 PM						12/19/2023 12:20:00 PM					
				Sample Type	TRG						FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.217			0.200	0.0819	1	0.223			0.200	0.0819	1
				ug/m3	1.22			1.12	0.460	1	1.25			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1690789-08					
				Sample Name							MTWA1218MC002					
				Sample Date							12/19/2023 9:38:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.290			0.200	0.0764	1	0.712			0.200	0.0764	1
				ug/m3	1.42			0.982	0.375	1	3.49			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0961	J	RL	0.200	0.0779	1	0.234			0.200	0.0779	1
				ug/m3	0.472	J	RL	0.982	0.382	1	1.15			0.982	0.382	1

				Lab Sample ID							L1690789-08					
				Sample Name							MTWA1218MC003					
				Sample Date							12/19/2023 10:05:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	J	RL	0.200	0.133	1	0.373			0.200	0.133	1
				ug/m3	0.621	J	RL	0.934	0.621	1	1.74			0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.193	J	RL	1.25	0.0814	1	0.233	J	RL	1.25	0.0814	1
				ug/m3	0.569	J	RL	3.69	0.240	1	0.687	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.836	J	RL	1.25	0.264	1	7.16			1.25	0.264	1
				ug/m3	2.05	J	RL	3.07	0.649	1	17.6			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0956	J	RL	0.200	0.0783	1	0.236			0.200	0.0783	1
				ug/m3	0.469	J	RL	0.982	0.384	1	1.16			0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	2.41			1.25	0.584	1	4.91			1.25	0.584	1
				ug/m3	5.73			2.97	1.39	1	11.7			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1690789-08					
				Sample Name							MTWA1218MC003					
				Sample Date							12/19/2023 10:05:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.553			0.200	0.0715	1	0.433			0.200	0.0715	1
				ug/m3	1.77			0.639	0.228	1	1.38			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	1.33			0.200	0.0522	1	4.00			0.200	0.0522	1
				ug/m3	3.16			0.474	0.124	1	9.49			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0737	J	RL	0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.464	J	RL	1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.524			0.200	0.103	1	0.533			0.200	0.103	1
				ug/m3	1.08			0.413	0.213	1	1.10			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID	L1690789-07						L1690789-08					
				Sample Name	MTWA1218MC002						MTWA1218MC003					
				Sample Date	12/19/2023 9:38:00 AM						12/19/2023 10:05:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.550			0.200	0.0753	1	1.79			0.200	0.0753	1
				ug/m3	1.89			0.689	0.259	1	6.16			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.449			0.200	0.137	1	0.461			0.200	0.137	1
				ug/m3	2.22			0.989	0.678	1	2.28			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	6.21			2.50	0.265	1	44.0			2.50	0.265	1
				ug/m3	11.7			4.71	0.500	1	83.0			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.383			0.200	0.0835	1	1.06			0.200	0.0835	1
				ug/m3	1.66			0.867	0.362	1	4.60			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.581			0.200	0.104	1	2.02			0.200	0.104	1
				ug/m3	2.38			0.818	0.425	1	8.26			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	1.19			0.400	0.135	1	3.73			0.400	0.135	1
				ug/m3	5.16			1.73	0.585	1	16.2			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.539	U	BL	0.539	0.539	1	1.25	U	BL	1.25	1.25	1
				ug/m3	1.87	U	BL	1.87	1.87	1	4.34	U	BL	4.34	4.34	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				L1690789-07							L1690789-08					
				Sample Name							MTWA1218MC003					
				Sample Date							12/19/2023 10:05:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.590	J	RL	0.630	0.206	1	1.70			0.630	0.206	1
				ug/m3	2.08	J	RL	2.22	0.726	1	5.99			2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.274			0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	1.44			1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.407			0.200	0.0828	1	1.41			0.200	0.0828	1
				ug/m3	1.76			0.867	0.359	1	6.11			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.924			0.200	0.0503	1	3.72			0.200	0.0503	1
				ug/m3	2.73			0.590	0.148	1	11.0			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	1.99			0.500	0.0870	1	6.48			0.500	0.0870	1
				ug/m3	7.50			1.88	0.328	1	24.4			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1690789-07						L1690789-08					
				Sample Name	MTWA1218MC002						MTWA1218MC003					
				Sample Date	12/19/2023 9:38:00 AM						12/19/2023 10:05:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.213			0.200	0.0819	1	0.218			0.200	0.0819	1
				ug/m3	1.20			1.12	0.460	1	1.23			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.899			0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	3.17			2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1690789-09					
				Sample Name	MTWA1218MC004					
				Sample Date	12/19/2023 12:47:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.360			0.200	0.0764	1
				ug/m3	1.77			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.112	J	RL	0.200	0.0779	1
				ug/m3	0.550	J	RL	0.982	0.382	1

				Lab Sample ID	L1690789-09					
				Sample Name	MTWA1218MC004					
				Sample Date	12/19/2023 12:47:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.205			0.200	0.133	1
				ug/m3	0.958			0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.197	J	RL	1.25	0.0814	1
				ug/m3	0.581	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.42			1.25	0.264	1
				ug/m3	3.49			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.137	J	RL	0.200	0.0783	1
				ug/m3	0.672	J	RL	0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	4.01			1.25	0.584	1
				ug/m3	9.53			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1

				Lab Sample ID	L1690789-09					
				Sample Name	MTWA1218MC004					
				Sample Date	12/19/2023 12:47:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.340			0.200	0.0715	1
				ug/m3	1.09			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	2.06			0.200	0.0522	1
				ug/m3	4.89			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.503			0.200	0.103	1
				ug/m3	1.04			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1

				Lab Sample ID	L1690789-09					
				Sample Name	MTWA1218MC004					
				Sample Date	12/19/2023 12:47:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.856			0.200	0.0753	1
				ug/m3	2.95			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.428			0.200	0.137	1
				ug/m3	2.12			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	9.52			2.50	0.265	1
				ug/m3	17.9			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.619			0.200	0.0835	1
				ug/m3	2.68			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	1.04			0.200	0.104	1
				ug/m3	4.25			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	2.11			0.400	0.135	1
				ug/m3	9.15			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.406	U	BL	0.406	0.406	1
				ug/m3	1.41	U	BL	1.41	1.41	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1

				Lab Sample ID	L1690789-09					
				Sample Name	MTWA1218MC004					
				Sample Date	12/19/2023 12:47:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.846			0.630	0.206	1
				ug/m3	2.98			2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.144	J	RL	0.200	0.0363	1
				ug/m3	0.755	J	RL	1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.829			0.200	0.0828	1
				ug/m3	3.59			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	1.44			0.200	0.0503	1
				ug/m3	4.25			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	3.48			0.500	0.0870	1
				ug/m3	13.1			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1

				Lab Sample ID	L1690789-09					
				Sample Name	MTWA1218MC004					
				Sample Date	12/19/2023 12:47:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.201			0.200	0.0819	1
				ug/m3	1.13			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1691675
Report Date: February 23, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the nine air samples collected on December 21, 22, and 23, 2023, at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were collectively analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratories for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

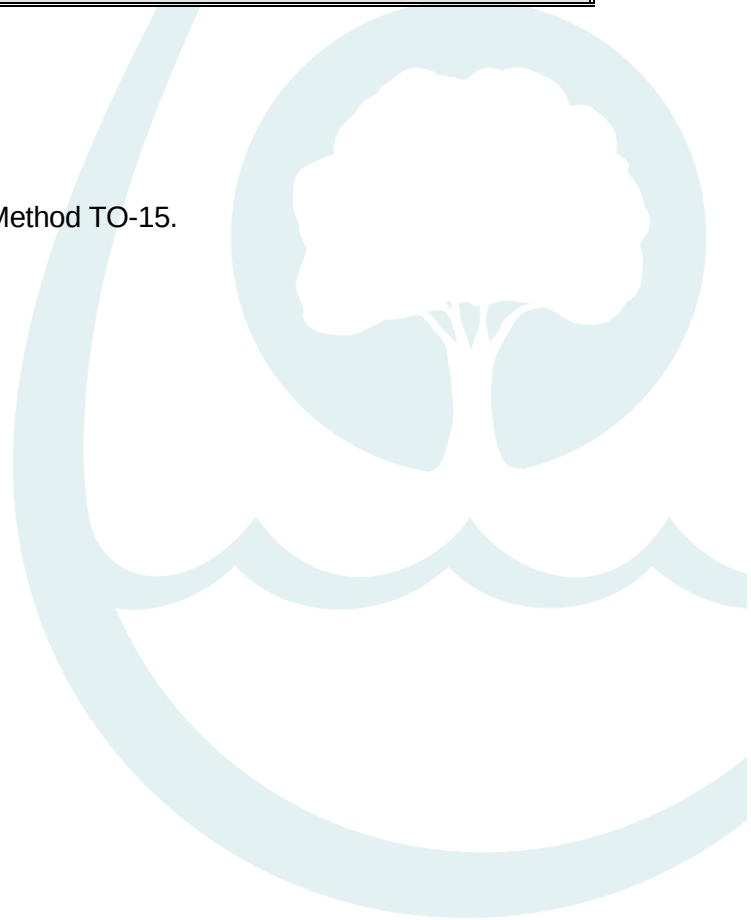
The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1691675.

The samples that have undergone Level 2 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA1221MC002	L1691675-01	L1691675	Air	12/22/23	VOC
MTWA1222MC003	L1691675-02	L1691675	Air	12/23/23	VOC
MTWA1222MC004	L1691675-03	L1691675	Air	12/23/23	VOC
MTWA1222MC002	L1691675-04	L1691675	Air	12/23/23	VOC
MTWA1222MC001D (Field Duplicate of MTWA1222MC001)	L1691675-05	L1691675	Air	12/23/23	VOC
MTWA1222MC001	L1691675-06	L1691675	Air	12/23/23	VOC
MTWA1221MC004	L1691675-07	L1691675	Air	12/22/23	VOC
MTWA1220MC004B	L1691675-08	L1691675	Air	12/21/23	VOC
MTWA1221MC001D	L1691675-09	L1691675	Air	12/22/23	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.



Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Field Duplicate Results
Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)	

Comments

1. Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on December 30, 2023. A final revised laboratory analytical report and EDD was provided on February 20, 2024.
2. The sample identification (ID) for sample MTWA1221MC004 was initially logged as MTWA1222MC004 by the laboratory. Upon Environmental Standards' request, Pace National provided a revised analytical report and EDD with corrected sample ID to match the COC Record.
3. Sample MTWA1221MC001D collection date was initially logged as 12/23/23 by the laboratory. Upon Environmental Standards' request, Pace National provided a revised analytical report and EDD with corrected collection date of 12/22/23 to match the COC Record.
4. One field duplicate pair, sample MTWA1222MC001 and its field duplicate, sample MTWA1222MC001D, was collected and analyzed for VOCs with this data set. Acceptable precision was observed between the field duplicate pair results with the exceptions noted in the table below.
5. The initial analytical report and EDD did not report the results to the MDL. Upon Environmental Standards' inquiry, a revised analytical report and EDD were provided to report the MDL.

Based on the items included in this QA review, the following qualifiers are offered.

Analyte(s)	Samples	Validation(s) Qualifier	Reason for Qualification
methylene chloride	all samples	U	BL
acetone, chloroethane, ethanol, pentane, toluene, and trans-1,2-dichloroethene	MTWA1222MC001 and MTWA1222MC001D	J/UJ	FD

- All positive results reported between the MDL and RL should be considered estimated and have been flagged “J” on the data tables. (Reason Code RL)

Review performed by:	Kassidy R. Hooper, Quality Assurance Chemist
Review reviewed by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date review completed:	2/23/24



ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID	L1691675-01						L1691675-02					
				Sample Name	MTWA1221MC002						MTWA1222MC003					
				Sample Date	12/22/2023 12:55:00 AM						12/23/2023 3:30:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.155	J	RL	0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.761	J	RL	0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1691675-02					
				Sample Name							MTWA1222MC003					
				Sample Date							12/23/2023 3:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.824	J	RL	1.25	0.0814	1	0.657	J	RL	1.25	0.0814	1
				ug/m3	2.43	J	RL	3.69	0.240	1	1.94	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.50			1.25	0.264	1	1.57			1.25	0.264	1
				ug/m3	3.69			3.07	0.649	1	3.86			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	8.84			1.25	0.584	1	7.58			1.25	0.584	1
				ug/m3	21.0			2.97	1.39	1	18.0			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1691675-01						L1691675-02					
				Sample Name							MTWA1221MC002						MTWA1222MC003					
				Sample Date							12/22/2023 12:55:00 AM						12/23/2023 3:30:00 AM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Benzene	71-43-2	T	ppbv	0.440			0.200	0.0715	1	0.364			0.200	0.0715	1						
				ug/m3	1.41			0.639	0.228	1	1.16			0.639	0.228	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	1.15			0.200	0.0522	1	1.14			0.200	0.0522	1						
				ug/m3	2.73			0.474	0.124	1	2.70			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1						
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1						
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.138	J	RL	0.200	0.0996	1	0.0996	U		0.200	0.0996	1						
				ug/m3	0.364	J	RL	0.528	0.263	1	0.263	U		0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	0.510			0.200	0.103	1	0.657			0.200	0.103	1						
				ug/m3	1.05			0.413	0.213	1	1.36			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				Lab Sample ID							L1691675-02					
				Sample Name							MTWA1222MC003					
				Sample Date							12/23/2023 3:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.337			0.200	0.0753	1	0.416			0.200	0.0753	1
				ug/m3	1.16			0.689	0.259	1	1.43			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.465			0.200	0.137	1	0.450			0.200	0.137	1
				ug/m3	2.30			0.989	0.678	1	2.23			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	16.7			2.50	0.265	1	12.9			2.50	0.265	1
				ug/m3	31.5			4.71	0.500	1	24.3			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.189	J	RL	0.200	0.0835	1	0.122	J	RL	0.200	0.0835	1
				ug/m3	0.819	J	RL	0.867	0.362	1	0.529	J	RL	0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.369			0.200	0.104	1	0.365			0.200	0.104	1
				ug/m3	1.51			0.818	0.425	1	1.49			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.611			0.400	0.135	1	0.379	J	RL	0.400	0.135	1
				ug/m3	2.65			1.73	0.585	1	1.64	J	RL	1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.198	J	RL	1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.810	J	RL	5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.766	U	BL	0.766	0.766	1	0.497	U	BL	0.497	0.497	1
				ug/m3	2.66	U	BL	2.66	2.66	1	1.73	U	BL	1.73	1.73	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1691675-02					
				Sample Name							MTWA1222MC003					
				Sample Date							12/23/2023 3:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.373	J	RL	0.630	0.206	1	0.504	J	RL	0.630	0.206	1
				ug/m3	1.32	J	RL	2.22	0.726	1	1.78	J	RL	2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0591	J	RL	0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.310	J	RL	1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.257			0.200	0.0828	1	0.145	J	RL	0.200	0.0828	1
				ug/m3	1.11			0.867	0.359	1	0.629	J	RL	0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.740			0.200	0.0503	1	0.948			0.200	0.0503	1
				ug/m3	2.18			0.590	0.148	1	2.80			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	3.20			0.200	0.0734	1	0.892			0.200	0.0734	1
				ug/m3	9.44			0.590	0.216	1	2.63			0.590	0.216	1
	Toluene	108-88-3	T	ppbv	2.57			0.500	0.0870	1	2.46			0.500	0.0870	1
				ug/m3	9.68			1.88	0.328	1	9.27			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1691675-01						L1691675-02					
				Sample Name	MTWA1221MC002						MTWA1222MC003					
				Sample Date	12/22/2023 12:55:00 AM						12/23/2023 3:30:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.215			0.200	0.0819	1	0.215			0.200	0.0819	1
				ug/m3	1.21			1.12	0.460	1	1.21			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				L1691675-03							L1691675-04											
				Sample Name							MTWA1222MC004						MTWA1222MC002					
				Sample Date							12/23/2023 3:50:00 AM						12/23/2023 3:14:00 AM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1						
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1						
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1						
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1						
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1						
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1						
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1						
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1						
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1						
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1						
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1						
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1						
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1						
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1						
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1						
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1						
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1						
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1						
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1						
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1						
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1						
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1						
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1						
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1						
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1						
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1						
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1						
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1						

				Lab Sample ID							L1691675-04					
				Sample Name							MTWA1222MC002					
				Sample Date							12/23/2023 3:14:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.969	J	RL	1.25	0.0814	1	0.353	J	RL	1.25	0.0814	1
				ug/m3	2.86	J	RL	3.69	0.240	1	1.04	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.48			1.25	0.264	1	0.837	J	RL	1.25	0.264	1
				ug/m3	3.64			3.07	0.649	1	2.06	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	13.7			1.25	0.584	1	3.31			1.25	0.584	1
				ug/m3	32.6			2.97	1.39	1	7.87			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1691675-03					
				Sample Name							MTWA1222MC004					
				Sample Date							12/23/2023 3:50:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	1.26			0.200	0.0715	1	0.218			0.200	0.0715	1
				ug/m3	4.02			0.639	0.228	1	0.696			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.831			0.200	0.0522	1	0.431			0.200	0.0522	1
				ug/m3	1.97			0.474	0.124	1	1.02			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.383			0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	1.01			0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	1.45			0.200	0.103	1	0.521			0.200	0.103	1
				ug/m3	2.99			0.413	0.213	1	1.08			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID	L1691675-03						L1691675-04					
				Sample Name	MTWA1222MC004						MTWA1222MC002					
				Sample Date	12/23/2023 3:50:00 AM						12/23/2023 3:14:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.457			0.200	0.137	1	0.456			0.200	0.137	1
				ug/m3	2.26			0.989	0.678	1	2.26			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	28.4			2.50	0.265	1	5.23			2.50	0.265	1
				ug/m3	53.5			4.71	0.500	1	9.86			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.414			0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	2.04			0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	1.68	U	BL	1.68	1.68	1	0.345	U	BL	0.345	0.345	1
				ug/m3	5.83	U	BL	5.83	5.83	1	1.20	U	BL	1.20	1.20	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				L1691675-03							L1691675-04						
				Sample Name	MTWA1222MC004							MTWA1222MC002					
				Sample Date	12/23/2023 3:50:00 AM							12/23/2023 3:14:00 AM					
				Sample Type	TRG							TRG					
				% Moisture													
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1	
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1	
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1	
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1	
	n-Hexane	110-54-3	T	ppbv	0.241	J	RL	0.630	0.206	1	0.206	U		0.630	0.206	1	
				ug/m3	0.850	J	RL	2.22	0.726	1	0.726	U		2.22	0.726	1	
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1	
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1	
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1	
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1	
	Pentane	109-66-0	T	ppbv	0.690			0.200	0.0503	1	0.224			0.200	0.0503	1	
				ug/m3	2.04			0.590	0.148	1	0.661			0.590	0.148	1	
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1	
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1	
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1	
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1	
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1	
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1	
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1	
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1	
	Toluene	108-88-3	T	ppbv	2.29			0.500	0.0870	1	0.280	J	RL	0.500	0.0870	1	
				ug/m3	8.63			1.88	0.328	1	1.05	J	RL	1.88	0.328	1	
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1	
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1	
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1	
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1	
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1	
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1	

				Lab Sample ID	L1691675-03						L1691675-04					
				Sample Name	MTWA1222MC004						MTWA1222MC002					
				Sample Date	12/23/2023 3:50:00 AM						12/23/2023 3:14:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.208			0.200	0.0819	1	0.209			0.200	0.0819	1
				ug/m3	1.17			1.12	0.460	1	1.17			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				L1691675-05							L1691675-06					
				Sample Name							MTWA1222MC001D					
				Sample Date							12/23/2023 2:30:00 AM					
				Sample Type							FD					
				% Moisture							TRG					
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID	L1691675-05						L1691675-06					
				Sample Name	MTWA1222MC001D						MTWA1222MC001					
				Sample Date	12/23/2023 2:30:00 AM						12/23/2023 2:30:00 AM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.256	J	RL	1.25	0.0814	1	0.614	J	RL	1.25	0.0814	1
				ug/m3	0.755	J	RL	3.69	0.240	1	1.81	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.922	J	RL	1.25	0.264	1	1.39			1.25	0.264	1
				ug/m3	2.27	J	RL	3.07	0.649	1	3.42			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.89	J	FD	1.25	0.584	1	5.58	J	FD	1.25	0.584	1
				ug/m3	9.24	J	FD	2.97	1.39	1	13.3	J	FD	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.284	J	RL	5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.477	J	RL	8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	2.85	J	RL	5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	6.18	J	RL	10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1691675-06					
				Sample Name							MTWA1222MC001					
				Sample Date							12/23/2023 2:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.294			0.200	0.0715	1	0.208			0.200	0.0715	1
				ug/m3	0.939			0.639	0.228	1	0.664			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.420			0.200	0.0522	1	0.435			0.200	0.0522	1
				ug/m3	0.996			0.474	0.124	1	1.03			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.477	J	FD	0.200	0.0996	1	0.0996	UJ	FD	0.200	0.0996	1
				ug/m3	1.26	J	FD	0.528	0.263	1	0.263	UJ	FD	0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.631			0.200	0.103	1	0.509			0.200	0.103	1
				ug/m3	1.30			0.413	0.213	1	1.05			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID	L1691675-05						L1691675-06					
				Sample Name	MTWA1222MC001D						MTWA1222MC001					
				Sample Date	12/23/2023 2:30:00 AM						12/23/2023 2:30:00 AM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.459			0.200	0.137	1	0.443			0.200	0.137	1
				ug/m3	2.27			0.989	0.678	1	2.19			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	19.8	J	FD	2.50	0.265	1	12.7	J	FD	2.50	0.265	1
				ug/m3	37.3	J	FD	4.71	0.500	1	23.9	J	FD	4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.138	J	RL	0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.564	J	RL	0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.409	U	BL	0.409	0.409	1	0.405	U	BL	0.405	0.405	1
				ug/m3	1.42	U	BL	1.42	1.42	1	1.41	U	BL	1.41	1.41	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				L1691675-05							L1691675-06						
				Sample Name	MTWA1222MC001D							MTWA1222MC001					
				Sample Date	12/23/2023 2:30:00 AM							12/23/2023 2:30:00 AM					
				Sample Type	FD							TRG					
				% Moisture													
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1	
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1	
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1	
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1	
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1	
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1	
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1	
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1	
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1	
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1	
	Pentane	109-66-0	T	ppbv	0.201	J	FD	0.200	0.0503	1	0.435	J	FD	0.200	0.0503	1	
				ug/m3	0.593	J	FD	0.590	0.148	1	1.28	J	FD	0.590	0.148	1	
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1	
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1	
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1	
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1	
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1	
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1	
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1	
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1	
	Toluene	108-88-3	T	ppbv	1.24	J	FD	0.500	0.0870	1	0.670	J	FD	0.500	0.0870	1	
				ug/m3	4.67	J	FD	1.88	0.328	1	2.52	J	FD	1.88	0.328	1	
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	UJ	FD	0.200	0.0673	1	0.433	J	FD	0.200	0.0673	1	
				ug/m3	0.267	UJ	FD	0.793	0.267	1	1.72	J	FD	0.793	0.267	1	
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1	
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1	
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1	
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1	

				Lab Sample ID	L1691675-05						L1691675-06					
				Sample Name	MTWA1222MC001D						MTWA1222MC001					
				Sample Date	12/23/2023 2:30:00 AM						12/23/2023 2:30:00 AM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.216			0.200	0.0819	1	0.205			0.200	0.0819	1
				ug/m3	1.21			1.12	0.460	1	1.15			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1691675-07						L1691675-08					
				Sample Name	MTWA1221MC004						MTWA1220MC004B					
				Sample Date	12/22/2023 2:48:00 PM						12/21/2023 4:03:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.150	J	RL	0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.736	J	RL	0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID	L1691675-07						L1691675-08					
				Sample Name	MTWA1221MC004						MTWA1220MC004B					
				Sample Date	12/22/2023 2:48:00 PM						12/21/2023 4:03:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.559	J	RL	1.25	0.0814	1	1.85			1.25	0.0814	1
				ug/m3	1.65	J	RL	3.69	0.240	1	5.46			3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.943	J	RL	1.25	0.264	1	1.13	J	RL	1.25	0.264	1
				ug/m3	2.32	J	RL	3.07	0.649	1	2.78	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	6.14			1.25	0.584	1	16.3			1.25	0.584	1
				ug/m3	14.6			2.97	1.39	1	38.7			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1691675-08					
				Sample Name							MTWA1220MC004B					
				Sample Date							12/21/2023 4:03:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.239			0.200	0.0715	1	0.519			0.200	0.0715	1
				ug/m3	0.763			0.639	0.228	1	1.66			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.788			0.200	0.0522	1	1.38			0.200	0.0522	1
				ug/m3	1.87			0.474	0.124	1	3.27			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.100	J	RL	0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.264	J	RL	0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.497			0.200	0.103	1	0.582			0.200	0.103	1
				ug/m3	1.03			0.413	0.213	1	1.20			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1691675-08					
				Sample Name							MTWA1220MC004B					
				Sample Date							12/21/2023 4:03:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.110	J	RL	0.200	0.0753	1	0.517			0.200	0.0753	1
				ug/m3	0.379	J	RL	0.689	0.259	1	1.78			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.446			0.200	0.137	1	0.454			0.200	0.137	1
				ug/m3	2.21			0.989	0.678	1	2.25			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	7.85			2.50	0.265	1	17.7			2.50	0.265	1
				ug/m3	14.8			4.71	0.500	1	33.4			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.278			0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	1.21			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.142	J	RL	0.200	0.104	1	0.505			0.200	0.104	1
				ug/m3	0.581	J	RL	0.818	0.425	1	2.07			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.223	J	RL	0.400	0.135	1	0.841			0.400	0.135	1
				ug/m3	0.967	J	RL	1.73	0.585	1	3.65			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.456	U	BL	0.456	0.456	1	0.638	U	BL	0.638	0.638	1
				ug/m3	1.58	U	BL	1.58	1.58	1	2.22	U	BL	2.22	2.22	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1691675-08					
				Sample Name							MTWA1220MC004B					
				Sample Date							12/21/2023 4:03:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.490	J	RL	0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	1.73	J	RL	2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0600	J	RL	0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.315	J	RL	1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0966	J	RL	0.200	0.0828	1	0.357			0.200	0.0828	1
				ug/m3	0.419	J	RL	0.867	0.359	1	1.55			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.296			0.200	0.0503	1	0.898			0.200	0.0503	1
				ug/m3	0.873			0.590	0.148	1	2.65			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.588			0.500	0.0870	1	3.80			0.500	0.0870	1
				ug/m3	2.21			1.88	0.328	1	14.3			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1691675-07						L1691675-08					
				Sample Name	MTWA1221MC004						MTWA1220MC004B					
				Sample Date	12/22/2023 2:48:00 PM						12/21/2023 4:03:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.215			0.200	0.0819	1	0.210			0.200	0.0819	1
				ug/m3	1.21			1.12	0.460	1	1.18			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

Lab Sample ID	L1691675-09									
Sample Name	MTWA1221MC001D									
Sample Date	12/22/2023 9:21:00 AM									
Sample Type	TRG									
% Moisture										

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.235			0.200	0.0764	1
				ug/m3	1.15			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1

				Lab Sample ID	L1691675-09					
				Sample Name	MTWA1221MC001D					
				Sample Date	12/22/2023 9:21:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.317	J	RL	1.25	0.0814	1
				ug/m3	0.935	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.901	J	RL	1.25	0.264	1
				ug/m3	2.21	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.56			1.25	0.584	1
				ug/m3	8.46			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	6.26			5.00	0.226	1
				ug/m3	13.6			10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1

				Lab Sample ID	L1691675-09					
				Sample Name	MTWA1221MC001D					
				Sample Date	12/22/2023 9:21:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.265			0.200	0.0715	1
				ug/m3	0.846			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	1.18			0.200	0.0522	1
				ug/m3	2.80			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.108	J	RL	0.200	0.0996	1
				ug/m3	0.285	J	RL	0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.490			0.200	0.103	1
				ug/m3	1.01			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1

				Lab Sample ID	L1691675-09					
				Sample Name	MTWA1221MC001D					
				Sample Date	12/22/2023 9:21:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.535			0.200	0.0753	1
				ug/m3	1.84			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.457			0.200	0.137	1
				ug/m3	2.26			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	12.2			2.50	0.265	1
				ug/m3	23.0			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.288			0.200	0.0835	1
				ug/m3	1.25			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.500			0.200	0.104	1
				ug/m3	2.04			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.924			0.400	0.135	1
				ug/m3	4.01			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.401	U	BL	0.401	0.401	1
				ug/m3	1.39	U	BL	1.39	1.39	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1

				Lab Sample ID	L1691675-09					
				Sample Name	MTWA1221MC001D					
				Sample Date	12/22/2023 9:21:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.518	J	RL	0.630	0.206	1
				ug/m3	1.83	J	RL	2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0821	J	RL	0.200	0.0363	1
				ug/m3	0.431	J	RL	1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.404			0.200	0.0828	1
				ug/m3	1.75			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	1.09			0.200	0.0503	1
				ug/m3	3.22			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	2.34			0.500	0.0870	1
				ug/m3	8.81			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1

				Lab Sample ID	L1691675-09					
				Sample Name	MTWA1221MC001D					
				Sample Date	12/22/2023 9:21:00 AM					
				Sample Type	TRG					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.203			0.200	0.0819	1
				ug/m3	1.14			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1691675
Revised Report Date: April 10, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the nine air samples collected on December 21, 22, and 23, 2023, at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were collectively analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was revised to correct the field duplicate qualification for sample MTWA1221MC001D.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratories for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1691675.

The samples that have undergone Level 4 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA1221MC002	L1691675-01	L1691675	Air	12/22/23	VOC
MTWA1222MC003	L1691675-02	L1691675	Air	12/23/23	VOC
MTWA1222MC004	L1691675-03	L1691675	Air	12/23/23	VOC
MTWA1222MC002	L1691675-04	L1691675	Air	12/23/23	VOC
MTWA1222MC001D (Field Duplicate of MTWA1222MC001)	L1691675-05	L1691675	Air	12/23/23	VOC
MTWA1222MC001	L1691675-06	L1691675	Air	12/23/23	VOC
MTWA1221MC004	L1691675-07	L1691675	Air	12/22/23	VOC
MTWA1220MC004B	L1691675-08	L1691675	Air	12/21/23	VOC
MTWA1221MC001D (Field Duplicate of MTWA1221MC001 [SDG L1691678])	L1691675-09	L1691675	Air	12/22/23	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.

Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Mass Tuning
Analytical Sequence	Sample Preparation
Internal Standard Recoveries	Quantitation of Positive Results
Initial and Continuing Calibration Verifications (ICVs/CCVs)	Field Duplicate Results
Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)	

Comments

1. Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on December 30, 2023. A final revised laboratory Level 4 analytical report and EDD was provided on February 20, 2024.
2. The sample identification (ID) sample MTWA1221MC004 was initially logged as MTWA1222MC004 by the laboratory. Upon Environmental Standards' request, Pace National provided a revised analytical report and EDD with corrected sample ID to match the COC Record.
3. Sample MTWA1221MC001D collection date was initially logged as 12/23/23 by the laboratory. Upon Environmental Standards' request, Pace National provided a revised analytical report and EDD with corrected collection date of 12/22/23 to match the COC Record.
4. Two field duplicate pairs (sample MTWA1222MC001 and its field duplicate, sample MTWA1222MC001D and sample MTWA1221MC001 and its field duplicate, sample MTWA1221MC001D) were collected and analyzed for VOCs with this data set. Sample MTWA1221MC001 is reported in Pace National SDG L1691678. Acceptable precision was observed between the field duplicate pair results with the exceptions noted in the table below.
5. The initial analytical report and EDD did not report the results to the MDL. Upon Environmental Standards' inquiry, a revised analytical report and EDD were provided to report the MDL.
6. The data from sample MTWA1221MC001 in Pace National SDG L1691678 originally used to evaluate the field duplicate precision for sample MTWA1221MC001D was not reported to the MDL. Upon CTEH's request, Environmental Standards reviewed SDG L1691678 and requested a revision to report the data in SDG L1691678 to the MDL. This revision changed several results from "not-detected" at the RL to detected between the MDL and RL which impacted the field duplicate evaluation. The field duplicate

evaluation was updated with the revised results and qualification for sample MTWA1221MC001D has been updated in the table below.

Based on the items included in this QA review, the following qualifier is offered.

Analyte(s)	Samples	Validation(s) Qualifier	Reason for Qualification
methylene chloride	all samples	U	BL
acetone; chloroethane; ethanol; pentane; toluene; and trans-1,2-dichloroethene	MTWA1222MC001 and MTWA1222MC001D	J/UJ	FD
2-propanol, acetone, acrylonitrile, butane, chloromethane, cyclohexane, ethanol, heptane, <i>m&p</i> -xylene, methylene chloride, <i>n</i> -hexane, <i>o</i> -xylene, pentane, and toluene	MTWA1221MC001D	J (unless previously flagged "U")	FD

- All positive results reported between the MDL and RL should be considered estimated and have been flagged "J" on the data tables. (Reason Code RL)

Review performed by:	Dwight M. Hoster, Quality Assurance Chemist
Review reviewed by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date revision completed:	4/10/24

ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID	L1691675-01						L1691675-02					
				Sample Name	MTWA1221MC002						MTWA1222MC003					
				Sample Date	12/22/2023 12:55:00 AM						12/23/2023 3:30:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.155	J	RL	0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.761	J	RL	0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1691675-02					
				Sample Name							MTWA1222MC003					
				Sample Date							12/23/2023 3:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.824	J	RL	1.25	0.0814	1	0.657	J	RL	1.25	0.0814	1
				ug/m3	2.43	J	RL	3.69	0.240	1	1.94	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.50			1.25	0.264	1	1.57			1.25	0.264	1
				ug/m3	3.69			3.07	0.649	1	3.86			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	8.84			1.25	0.584	1	7.58			1.25	0.584	1
				ug/m3	21.0			2.97	1.39	1	18.0			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1691675-01					
				Sample Name							MTWA1221MC002					
				Sample Date							12/22/2023 12:55:00 AM					
				Sample Type							TRG					
				% Moisture												
											L1691675-02					

				Lab Sample ID							L1691675-02					
				Sample Name							MTWA1222MC003					
				Sample Date							12/23/2023 3:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.337			0.200	0.0753	1	0.416			0.200	0.0753	1
				ug/m3	1.16			0.689	0.259	1	1.43			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.465			0.200	0.137	1	0.450			0.200	0.137	1
				ug/m3	2.30			0.989	0.678	1	2.23			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	16.7			2.50	0.265	1	12.9			2.50	0.265	1
				ug/m3	31.5			4.71	0.500	1	24.3			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.189	J	RL	0.200	0.0835	1	0.122	J	RL	0.200	0.0835	1
				ug/m3	0.819	J	RL	0.867	0.362	1	0.529	J	RL	0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.369			0.200	0.104	1	0.365			0.200	0.104	1
				ug/m3	1.51			0.818	0.425	1	1.49			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.611			0.400	0.135	1	0.379	J	RL	0.400	0.135	1
				ug/m3	2.65			1.73	0.585	1	1.64	J	RL	1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.198	J	RL	1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.810	J	RL	5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.766	U	BL	0.766	0.766	1	0.497	U	BL	0.497	0.497	1
				ug/m3	2.66	U	BL	2.66	2.66	1	1.73	U	BL	1.73	1.73	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1691675-02					
				Sample Name							MTWA1222MC003					
				Sample Date							12/23/2023 3:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.373	J	RL	0.630	0.206	1	0.504	J	RL	0.630	0.206	1
				ug/m3	1.32	J	RL	2.22	0.726	1	1.78	J	RL	2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0591	J	RL	0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.310	J	RL	1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.257			0.200	0.0828	1	0.145	J	RL	0.200	0.0828	1
				ug/m3	1.11			0.867	0.359	1	0.629	J	RL	0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.740			0.200	0.0503	1	0.948			0.200	0.0503	1
				ug/m3	2.18			0.590	0.148	1	2.80			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	3.20			0.200	0.0734	1	0.892			0.200	0.0734	1
				ug/m3	9.44			0.590	0.216	1	2.63			0.590	0.216	1
	Toluene	108-88-3	T	ppbv	2.57			0.500	0.0870	1	2.46			0.500	0.0870	1
				ug/m3	9.68			1.88	0.328	1	9.27			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1691675-01						L1691675-02					
				Sample Name	MTWA1221MC002						MTWA1222MC003					
				Sample Date	12/22/2023 12:55:00 AM						12/23/2023 3:30:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.215			0.200	0.0819	1	0.215			0.200	0.0819	1
				ug/m3	1.21			1.12	0.460	1	1.21			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				L1691675-03							L1691675-04											
				Sample Name							MTWA1222MC004						MTWA1222MC002					
				Sample Date							12/23/2023 3:50:00 AM						12/23/2023 3:14:00 AM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1						
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1						
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1						
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1						
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1						
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1						
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1						
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1						
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1						
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1						
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1						
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1						
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1						
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1						
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1						
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1						
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1						
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1						
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1						
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1						
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1						
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1						
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1						
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1						
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1						
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1						
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1						
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1						

				Lab Sample ID							L1691675-04					
				Sample Name							MTWA1222MC002					
				Sample Date							12/23/2023 3:14:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.969	J	RL	1.25	0.0814	1	0.353	J	RL	1.25	0.0814	1
				ug/m3	2.86	J	RL	3.69	0.240	1	1.04	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.48			1.25	0.264	1	0.837	J	RL	1.25	0.264	1
				ug/m3	3.64			3.07	0.649	1	2.06	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	13.7			1.25	0.584	1	3.31			1.25	0.584	1
				ug/m3	32.6			2.97	1.39	1	7.87			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1691675-04					
				Sample Name							MTWA1222MC004					
				Sample Date							12/23/2023 3:50:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	1.26			0.200	0.0715	1	0.218			0.200	0.0715	1
				ug/m3	4.02			0.639	0.228	1	0.696			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.831			0.200	0.0522	1	0.431			0.200	0.0522	1
				ug/m3	1.97			0.474	0.124	1	1.02			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.383			0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	1.01			0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	1.45			0.200	0.103	1	0.521			0.200	0.103	1
				ug/m3	2.99			0.413	0.213	1	1.08			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID	L1691675-03						L1691675-04					
				Sample Name	MTWA1222MC004						MTWA1222MC002					
				Sample Date	12/23/2023 3:50:00 AM						12/23/2023 3:14:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.457			0.200	0.137	1	0.456			0.200	0.137	1
				ug/m3	2.26			0.989	0.678	1	2.26			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	28.4			2.50	0.265	1	5.23			2.50	0.265	1
				ug/m3	53.5			4.71	0.500	1	9.86			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.414			0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	2.04			0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	1.68	U	BL	1.68	1.68	1	0.345	U	BL	0.345	0.345	1
				ug/m3	5.83	U	BL	5.83	5.83	1	1.20	U	BL	1.20	1.20	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1691675-04					
				Sample Name							MTWA1222MC002					
				Sample Date							12/23/2023 3:14:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.241	J	RL	0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.850	J	RL	2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.690			0.200	0.0503	1	0.224			0.200	0.0503	1
				ug/m3	2.04			0.590	0.148	1	0.661			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	2.29			0.500	0.0870	1	0.280	J	RL	0.500	0.0870	1
				ug/m3	8.63			1.88	0.328	1	1.05	J	RL	1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1691675-03						L1691675-04					
				Sample Name	MTWA1222MC004						MTWA1222MC002					
				Sample Date	12/23/2023 3:50:00 AM						12/23/2023 3:14:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.208			0.200	0.0819	1	0.209			0.200	0.0819	1
				ug/m3	1.17			1.12	0.460	1	1.17			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1691675-05						L1691675-06					
				Sample Name	MTWA1222MC001D						MTWA1222MC001					
				Sample Date	12/23/2023 2:30:00 AM						12/23/2023 2:30:00 AM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID	L1691675-05						L1691675-06					
				Sample Name	MTWA1222MC001D						MTWA1222MC001					
				Sample Date	12/23/2023 2:30:00 AM						12/23/2023 2:30:00 AM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.256	J	RL	1.25	0.0814	1	0.614	J	RL	1.25	0.0814	1
				ug/m3	0.755	J	RL	3.69	0.240	1	1.81	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.922	J	RL	1.25	0.264	1	1.39			1.25	0.264	1
				ug/m3	2.27	J	RL	3.07	0.649	1	3.42			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.89	J	FD	1.25	0.584	1	5.58	J	FD	1.25	0.584	1
				ug/m3	9.24	J	FD	2.97	1.39	1	13.3	J	FD	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.284	J	RL	5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.477	J	RL	8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	2.85	J	RL	5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	6.18	J	RL	10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1691675-06					
				Sample Name							MTWA1222MC001					
				Sample Date							12/23/2023 2:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.294			0.200	0.0715	1	0.208			0.200	0.0715	1
				ug/m3	0.939			0.639	0.228	1	0.664			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.420			0.200	0.0522	1	0.435			0.200	0.0522	1
				ug/m3	0.996			0.474	0.124	1	1.03			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.477	J	FD	0.200	0.0996	1	0.0996	UJ	FD	0.200	0.0996	1
				ug/m3	1.26	J	FD	0.528	0.263	1	0.263	UJ	FD	0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.631			0.200	0.103	1	0.509			0.200	0.103	1
				ug/m3	1.30			0.413	0.213	1	1.05			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				L1691675-05							L1691675-06					
				Sample Name							MTWA1222MC001D					
				Sample Date							12/23/2023 2:30:00 AM					
				Sample Type							FD					
				% Moisture							TRG					
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.459			0.200	0.137	1	0.443			0.200	0.137	1
				ug/m3	2.27			0.989	0.678	1	2.19			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	19.8	J	FD	2.50	0.265	1	12.7	J	FD	2.50	0.265	1
				ug/m3	37.3	J	FD	4.71	0.500	1	23.9	J	FD	4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.138	J	RL	0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.564	J	RL	0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.409	U	BL	0.409	0.409	1	0.405	U	BL	0.405	0.405	1
				ug/m3	1.42	U	BL	1.42	1.42	1	1.41	U	BL	1.41	1.41	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1691675-06					
				Sample Name							MTWA1222MC001					
				Sample Date							12/23/2023 2:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.201	J	FD	0.200	0.0503	1	0.435	J	FD	0.200	0.0503	1
				ug/m3	0.593	J	FD	0.590	0.148	1	1.28	J	FD	0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	1.24	J	FD	0.500	0.0870	1	0.670	J	FD	0.500	0.0870	1
				ug/m3	4.67	J	FD	1.88	0.328	1	2.52	J	FD	1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	UJ	FD	0.200	0.0673	1	0.433	J	FD	0.200	0.0673	1
				ug/m3	0.267	UJ	FD	0.793	0.267	1	1.72	J	FD	0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1691675-05						L1691675-06					
				Sample Name	MTWA1222MC001D						MTWA1222MC001					
				Sample Date	12/23/2023 2:30:00 AM						12/23/2023 2:30:00 AM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.216			0.200	0.0819	1	0.205			0.200	0.0819	1
				ug/m3	1.21			1.12	0.460	1	1.15			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1691675-07						L1691675-08					
				Sample Name	MTWA1221MC004						MTWA1220MC004B					
				Sample Date	12/22/2023 2:48:00 PM						12/21/2023 4:03:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.150	J	RL	0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.736	J	RL	0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				L1691675-07							L1691675-08											
				Sample Name							MTWA1221MC004						MTWA1220MC004B					
				Sample Date							12/22/2023 2:48:00 PM						12/21/2023 4:03:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1						
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1						
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1						
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1						
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1						
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1						
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1						
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1						
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1						
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1						
	2-Butanone (MEK)	78-93-3	T	ppbv	0.559	J	RL	1.25	0.0814	1	1.85			1.25	0.0814	1						
				ug/m3	1.65	J	RL	3.69	0.240	1	5.46			3.69	0.240	1						
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1						
	2-Propanol	67-63-0	T	ppbv	0.943	J	RL	1.25	0.264	1	1.13	J	RL	1.25	0.264	1						
				ug/m3	2.32	J	RL	3.07	0.649	1	2.78	J	RL	3.07	0.649	1						
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1						
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1						
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1						
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1						
	Acetone	67-64-1	T	ppbv	6.14			1.25	0.584	1	16.3			1.25	0.584	1						
				ug/m3	14.6			2.97	1.39	1	38.7			2.97	1.39	1						
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1						
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1						
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1						
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1						
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1						
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1						

				Lab Sample ID							L1691675-08					
				Sample Name							MTWA1220MC004B					
				Sample Date							12/21/2023 4:03:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.239			0.200	0.0715	1	0.519			0.200	0.0715	1
				ug/m3	0.763			0.639	0.228	1	1.66			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.788			0.200	0.0522	1	1.38			0.200	0.0522	1
				ug/m3	1.87			0.474	0.124	1	3.27			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.100	J	RL	0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.264	J	RL	0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.497			0.200	0.103	1	0.582			0.200	0.103	1
				ug/m3	1.03			0.413	0.213	1	1.20			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1691675-08					
				Sample Name							MTWA1220MC004B					
				Sample Date							12/21/2023 4:03:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.110	J	RL	0.200	0.0753	1	0.517			0.200	0.0753	1
				ug/m3	0.379	J	RL	0.689	0.259	1	1.78			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.446			0.200	0.137	1	0.454			0.200	0.137	1
				ug/m3	2.21			0.989	0.678	1	2.25			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	7.85			2.50	0.265	1	17.7			2.50	0.265	1
				ug/m3	14.8			4.71	0.500	1	33.4			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.278			0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	1.21			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.142	J	RL	0.200	0.104	1	0.505			0.200	0.104	1
				ug/m3	0.581	J	RL	0.818	0.425	1	2.07			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.223	J	RL	0.400	0.135	1	0.841			0.400	0.135	1
				ug/m3	0.967	J	RL	1.73	0.585	1	3.65			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.456	U	BL	0.456	0.456	1	0.638	U	BL	0.638	0.638	1
				ug/m3	1.58	U	BL	1.58	1.58	1	2.22	U	BL	2.22	2.22	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1691675-08					
				Sample Name							MTWA1221MC004					
				Sample Date							12/22/2023 2:48:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.490	J	RL	0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	1.73	J	RL	2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0600	J	RL	0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.315	J	RL	1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0966	J	RL	0.200	0.0828	1	0.357			0.200	0.0828	1
				ug/m3	0.419	J	RL	0.867	0.359	1	1.55			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.296			0.200	0.0503	1	0.898			0.200	0.0503	1
				ug/m3	0.873			0.590	0.148	1	2.65			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.588			0.500	0.0870	1	3.80			0.500	0.0870	1
				ug/m3	2.21			1.88	0.328	1	14.3			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1691675-07						L1691675-08					
				Sample Name	MTWA1221MC004						MTWA1220MC004B					
				Sample Date	12/22/2023 2:48:00 PM						12/21/2023 4:03:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.215			0.200	0.0819	1	0.210			0.200	0.0819	1
				ug/m3	1.21			1.12	0.460	1	1.18			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

Lab Sample ID	L1691675-09
Sample Name	MTWA1221MC001D
Sample Date	12/22/2023 9:21:00 AM
Sample Type	FD
% Moisture	

Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.235			0.200	0.0764	1
				ug/m3	1.15			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1

				Lab Sample ID	L1691675-09					
				Sample Name	MTWA1221MC001D					
				Sample Date	12/22/2023 9:21:00 AM					
				Sample Type	FD					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.317	J	RL	1.25	0.0814	1
				ug/m3	0.935	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.901	J	RL,FD	1.25	0.264	1
				ug/m3	2.21	J	RL,FD	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.56	J	FD	1.25	0.584	1
				ug/m3	8.46	J	FD	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	6.26	J	FD	5.00	0.226	1
				ug/m3	13.6	J	FD	10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1

				Lab Sample ID	L1691675-09					
				Sample Name	MTWA1221MC001D					
				Sample Date	12/22/2023 9:21:00 AM					
				Sample Type	FD					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.265			0.200	0.0715	1
				ug/m3	0.846			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	1.18	J	FD	0.200	0.0522	1
				ug/m3	2.80	J	FD	0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.108	J	RL	0.200	0.0996	1
				ug/m3	0.285	J	RL	0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.490	J	FD	0.200	0.103	1
				ug/m3	1.01	J	FD	0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1

				Lab Sample ID	L1691675-09					
				Sample Name	MTWA1221MC001D					
				Sample Date	12/22/2023 9:21:00 AM					
				Sample Type	FD					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.535	J	FD	0.200	0.0753	1
				ug/m3	1.84	J	FD	0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.457			0.200	0.137	1
				ug/m3	2.26			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	12.2	J	FD	2.50	0.265	1
				ug/m3	23.0	J	FD	4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.288			0.200	0.0835	1
				ug/m3	1.25			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.500	J	FD	0.200	0.104	1
				ug/m3	2.04	J	FD	0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.924	J	FD	0.400	0.135	1
				ug/m3	4.01	J	FD	1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.401	U	BL,FD	0.401	0.401	1
				ug/m3	1.39	U	BL,FD	1.39	1.39	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1

				Lab Sample ID	L1691675-09					
				Sample Name	MTWA1221MC001D					
				Sample Date	12/22/2023 9:21:00 AM					
				Sample Type	FD					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.518	J	RL,FD	0.630	0.206	1
				ug/m3	1.83	J	RL,FD	2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0821	J	RL	0.200	0.0363	1
				ug/m3	0.431	J	RL	1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.404	J	FD	0.200	0.0828	1
				ug/m3	1.75	J	FD	0.867	0.359	1
	Pentane	109-66-0	T	ppbv	1.09	J	FD	0.200	0.0503	1
				ug/m3	3.22	J	FD	0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	2.34	J	FD	0.500	0.0870	1
				ug/m3	8.81	J	FD	1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1

				Lab Sample ID	L1691675-09					
				Sample Name	MTWA1221MC001D					
				Sample Date	12/22/2023 9:21:00 AM					
				Sample Type	FD					
				% Moisture						
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.203			0.200	0.0819	1
				ug/m3	1.14			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1691678
Report Date: April 9, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of eight air samples collected on December 22, 23, and 24, 2023, at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were collectively analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratories for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1691678.

The samples that have undergone Level 2 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA1223MC002	L1691678-01	L1691678	Air	12/23/23	VOC
MTWA1223MC003B	L1691678-02	L1691678	Air	12/24/23	VOC
MTWA1223MC001	L1691678-03	L1691678	Air	12/23/23	VOC
MTWA1224MC004	L1691678-04	L1691678	Air	12/24/23	VOC
MTWA1223MC003	L1691678-05	L1691678	Air	12/23/23	VOC
MTWA1223MC001D (Field Duplicate of MTWA1223MC001)	L1691678-06	L1691678	Air	12/23/23	VOC
MTWA1221MC001 (Parent Sample of MTWA1221MC001D [SDG L1691675])	L1691678-07	L1691678	Air	12/22/23	VOC
MTWA1221MC003	L1691678-08	L1691678	Air	12/22/23	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.

Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Field Duplicate Results
Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)	

Comments

1. Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on January 2, 2024. A final revised laboratory analytical report and EDD was provided on March 19, 2024.
2. The sample identification (ID) for samples MTWA1224MC004, MTWA1221MC001, and MTWA1221MC003 were initially logged as MTWA1223MC004, MTWA1223MC001, and MTWA1223MC003, respectively, by the laboratory. Upon CTEH request, Pace National provided a revised analytical report and EDD with corrected sample IDs to match the COC Record.
3. Two field duplicate pairs, (sample MTWA1223MC001 and its field duplicate, sample MTWA1223MC001D, and sample MTWA1221MC001 and its field duplicate MTWA1221MC001D), were collected and analyzed for VOCs with this data set. Sample MTWA1221MC001D is reported in Pace National SDG L1691675. Acceptable precision was observed between the field duplicate pair results with the exceptions noted in the table below.
4. The initial analytical report and EDD did not report the results to the MDL. Upon Environmental Standards' inquiry, a revised analytical report and EDD were provided to report the MDL.
5. The ethanol result in sample MTWA1221MC001 exceeded the linear calibration range of the instrument for the VOC analyses; however, the samples were not diluted and reanalyzed by the laboratory. Qualification of data due to this issue is addressed in the subsequent qualifier table.

Based on the items included in this QA review, the following qualifiers are offered.

Analyte(s)	Sample(s)	Validation(s) Qualifier	Reason for Qualification
2-propanol	MTWA1221MC003, MTWA1223MC001, MTWA1223MC001D, and MTWA1223MC003	U	BL

Analyte(s)	Sample(s)	Validation(s) Qualifier	Reason for Qualification
acetone, pentane, and toluene	MTWA1223MC001 and MTWA1223MC001D	J/UJ	FD
n-decane	MTWA1221MC001	J	L+
ethanol	MTWA1221MC001	J	E
2-propanol, acetone, acrylonitrile, butane, chloromethane, cyclohexane, ethanol, heptane, <i>m&p</i> -xylene, methylene chloride, <i>n</i> -hexane, <i>o</i> -xylene, pentane, and toluene	MTWA1221MC001	J/UJ	FD

- All positive results reported between the MDL and RL should be considered estimated and have been flagged "J" (unless previously flagged "U") on the data tables. (Reason Code RL)

Review performed by:	Kassidy R. Hooper, Quality Assurance Chemist
Review reviewed by:	Abigail P. Bossbaly, Project Quality Assurance Chemist
Review approved by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date review completed:	4/9/24

ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID	L1691678-01						L1691678-02					
				Sample Name	MTWA1223MC002						MTWA1223MC003B					
				Sample Date	12/23/2023 11:30:00 PM						12/24/2023 10:24:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.293			0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	1.44			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0857	J	RL	0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.421	J	RL	0.982	0.382	1

				Lab Sample ID							L1691678-02					
				Sample Name							MTWA1223MC003B					
				Sample Date							12/24/2023 10:24:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.194	J	RL	1.25	0.0814	1	0.0814	U		1.25	0.0814	1
				ug/m3	0.572	J	RL	3.69	0.240	1	0.240	U		3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.14	J	RL	1.25	0.264	1	1.25	J	RL	1.25	0.264	1
				ug/m3	2.80	J	RL	3.07	0.649	1	3.07	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0985	J	RL	0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.483	J	RL	0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	4.54			1.25	0.584	1	3.28			1.25	0.584	1
				ug/m3	10.8			2.97	1.39	1	7.79			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	1.99	J	RL	5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	4.31	J	RL	10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1691678-01							L1691678-02						
				Sample Name							MTWA1223MC002							MTWA1223MC003B						
				Sample Date							12/23/2023 11:30:00 PM							12/24/2023 10:24:00 PM						
				Sample Type							TRG							TRG						
				% Moisture																				
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF								
TO-15	Benzene	71-43-2	T	ppbv	0.296			0.200	0.0715	1	0.231			0.200	0.0715	1								
				ug/m3	0.946			0.639	0.228	1	0.738			0.639	0.228	1								
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1								
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1								
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1								
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1								
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1								
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1								
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1								
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1								
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1								
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1								
	Butane	106-97-8	T	ppbv	0.722			0.200	0.0522	1	1.43			0.200	0.0522	1								
				ug/m3	1.71			0.474	0.124	1	3.39			0.474	0.124	1								
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1								
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1								
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1								
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1								
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1								
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1								
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1								
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1								
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1								
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1								
	Chloromethane	74-87-3	T	ppbv	0.103	U		0.200	0.103	1	0.544			0.200	0.103	1								
				ug/m3	0.213	U		0.413	0.213	1	1.12			0.413	0.213	1								
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1								
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1								

				Lab Sample ID							L1691678-02					
				Sample Name							MTWA1223MC003B					
				Sample Date							12/24/2023 10:24:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.243			0.200	0.0753	1	0.598			0.200	0.0753	1
				ug/m3	0.837			0.689	0.259	1	2.06			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.470			0.200	0.137	1	0.442			0.200	0.137	1
				ug/m3	2.32			0.989	0.678	1	2.19			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	7.41			2.50	0.265	1	5.92			2.50	0.265	1
				ug/m3	14.0			4.71	0.500	1	11.2			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.117	J	RL	0.200	0.0835	1	0.334			0.200	0.0835	1
				ug/m3	0.507	J	RL	0.867	0.362	1	1.45			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.252			0.200	0.104	1	0.648			0.200	0.104	1
				ug/m3	1.03			0.818	0.425	1	2.65			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.384	J	RL	0.400	0.135	1	1.10			0.400	0.135	1
				ug/m3	1.66	J	RL	1.73	0.585	1	4.77			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.360			0.200	0.0979	1	0.402			0.200	0.0979	1
				ug/m3	1.25			0.694	0.340	1	1.40			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1691678-02					
				Sample Name							MTWA1223MC003B					
				Sample Date							12/24/2023 10:24:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.328	J	RL	0.630	0.206	1	0.548	J	RL	0.630	0.206	1
				ug/m3	1.16	J	RL	2.22	0.726	1	1.93	J	RL	2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0945	J	RL	0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.496	J	RL	1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.172	J	RL	0.200	0.0828	1	0.446			0.200	0.0828	1
				ug/m3	0.746	J	RL	0.867	0.359	1	1.93			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.552			0.200	0.0503	1	1.57			0.200	0.0503	1
				ug/m3	1.63			0.590	0.148	1	4.63			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	1.59			0.500	0.0870	1	2.13			0.500	0.0870	1
				ug/m3	5.99			1.88	0.328	1	8.02			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1691678-01						L1691678-02					
				Sample Name	MTWA1223MC002						MTWA1223MC003B					
				Sample Date	12/23/2023 11:30:00 PM						12/24/2023 10:24:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.218			0.200	0.0819	1	0.203			0.200	0.0819	1
				ug/m3	1.23			1.12	0.460	1	1.14			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1691678-03						L1691678-04					
				Sample Name							MTWA1223MC001						MTWA1224MC004					
				Sample Date							12/23/2023 11:05:00 PM						12/24/2023 10:46:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1						
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1						
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1						
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1						
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1						
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1						
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1						
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1						
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1						
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1						
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1						
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1						
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1						
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1						
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.312			0.200	0.0764	1	0.200	J	RL	0.200	0.0764	1						
				ug/m3	1.53			0.982	0.375	1	0.982	J	RL	0.982	0.375	1						
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1						
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1						
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1						
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1						
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1						
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1						
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1						
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1						
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1						
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1						
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0949	J	RL	0.200	0.0779	1	0.0779	U		0.200	0.0779	1						
				ug/m3	0.466	J	RL	0.982	0.382	1	0.382	U		0.982	0.382	1						

				Lab Sample ID							L1691678-04					
				Sample Name							MTWA1224MC004					
				Sample Date							12/24/2023 10:46:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.138	J	RL	0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.645	J	RL	0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.262	J	RL	1.25	0.0814	1	0.217	J	RL	1.25	0.0814	1
				ug/m3	0.773	J	RL	3.69	0.240	1	0.640	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.839	U	BL	1.25	0.839	1	2.68			1.25	0.264	1
				ug/m3	2.06	U	BL	3.07	2.06	1	6.59			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.101	J	RL	0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.496	J	RL	0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	2.07	J	FD	1.25	0.584	1	3.55			1.25	0.584	1
				ug/m3	4.92	J	FD	2.97	1.39	1	8.44			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1691678-04					
				Sample Name							MTWA1224MC004					
				Sample Date							12/24/2023 10:46:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.361			0.200	0.0715	1	0.278			0.200	0.0715	1
				ug/m3	1.15			0.639	0.228	1	0.888			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	1.26			0.200	0.0522	1	0.885			0.200	0.0522	1
				ug/m3	2.99			0.474	0.124	1	2.10			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.130	J	RL	0.200	0.102	1	0.135	J	RL	0.200	0.102	1
				ug/m3	0.405	J	RL	0.622	0.317	1	0.420	J	RL	0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0752	J	RL	0.200	0.0732	1	0.0805	J	RL	0.200	0.0732	1
				ug/m3	0.474	J	RL	1.26	0.461	1	0.507	J	RL	1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.676			0.200	0.103	1	0.575			0.200	0.103	1
				ug/m3	1.40			0.413	0.213	1	1.19			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1691678-04					
				Sample Name							MTWA1224MC004					
				Sample Date							12/24/2023 10:46:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.767			0.200	0.0753	1	0.308			0.200	0.0753	1
				ug/m3	2.64			0.689	0.259	1	1.06			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.490			0.200	0.137	1	0.507			0.200	0.137	1
				ug/m3	2.42			0.989	0.678	1	2.51			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	10.7			2.50	0.265	1	6.14			2.50	0.265	1
				ug/m3	20.2			4.71	0.500	1	11.6			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.443			0.200	0.0835	1	0.193	J	RL	0.200	0.0835	1
				ug/m3	1.92			0.867	0.362	1	0.837	J	RL	0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.795			0.200	0.104	1	0.307			0.200	0.104	1
				ug/m3	3.25			0.818	0.425	1	1.26			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	1.51			0.400	0.135	1	0.679			0.400	0.135	1
				ug/m3	6.55			1.73	0.585	1	2.94			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.373			0.200	0.0979	1	0.420			0.200	0.0979	1
				ug/m3	1.30			0.694	0.340	1	1.46			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				L1691678-03							L1691678-04					
				Sample Name							MTWA1224MC004					
				Sample Date							12/24/2023 10:46:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.623	J	RL	0.630	0.206	1	0.321	J	RL	0.630	0.206	1
				ug/m3	2.20	J	RL	2.22	0.726	1	1.13	J	RL	2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.583			0.200	0.0828	1	0.270			0.200	0.0828	1
				ug/m3	2.53			0.867	0.359	1	1.17			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.935	J	FD	0.200	0.0503	1	0.461			0.200	0.0503	1
				ug/m3	2.76	J	FD	0.590	0.148	1	1.36			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	3.41	J	FD	0.500	0.0870	1	1.09			0.500	0.0870	1
				ug/m3	12.8	J	FD	1.88	0.328	1	4.11			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1691678-03						L1691678-04					
				Sample Name	MTWA1223MC001						MTWA1224MC004					
				Sample Date	12/23/2023 11:05:00 PM						12/24/2023 10:46:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.243			0.200	0.0819	1	0.237			0.200	0.0819	1
				ug/m3	1.37			1.12	0.460	1	1.33			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1691678-06					
				Sample Name							MTWA1223MC001D					
				Sample Date							12/23/2023 11:05:00 PM					
				Sample Type							FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.461			0.200	0.0764	1	0.307			0.200	0.0764	1
				ug/m3	2.26			0.982	0.375	1	1.51			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.144	J	RL	0.200	0.0779	1	0.0898	J	RL	0.200	0.0779	1
				ug/m3	0.707	J	RL	0.982	0.382	1	0.441	J	RL	0.982	0.382	1

				Lab Sample ID							L1691678-06					
				Sample Name							MTWA1223MC001D					
				Sample Date							12/23/2023 11:05:00 PM					
				Sample Type							FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.150	J	RL	0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.701	J	RL	0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.544	J	RL	1.25	0.0814	1	0.501	J	RL	1.25	0.0814	1
				ug/m3	1.60	J	RL	3.69	0.240	1	1.48	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.848	U	BL	1.25	0.848	1	0.892	U	BL	1.25	0.892	1
				ug/m3	2.08	U	BL	3.07	2.08	1	2.19	U	BL	3.07	2.19	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.141	J	RL	0.200	0.0783	1	0.0792	J	RL	0.200	0.0783	1
				ug/m3	0.692	J	RL	0.982	0.384	1	0.389	J	RL	0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.249	J	RL	1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	1.02	J	RL	5.12	0.313	1
	Acetone	67-64-1	T	ppbv	4.68			1.25	0.584	1	4.15	J	FD	1.25	0.584	1
				ug/m3	11.1			2.97	1.39	1	9.86	J	FD	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	2.21	J	RL	5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	4.79	J	RL	10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID	L1691678-05						L1691678-06					
				Sample Name	MTWA1223MC003						MTWA1223MC001D					
				Sample Date	12/23/2023 11:45:00 PM						12/23/2023 11:05:00 PM					
				Sample Type	TRG						FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.416			0.200	0.0715	1	0.412			0.200	0.0715	1
				ug/m3	1.33			0.639	0.228	1	1.32			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	1.47			0.200	0.0522	1	1.16			0.200	0.0522	1
				ug/m3	3.49			0.474	0.124	1	2.75			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.107	J	RL	0.200	0.102	1	0.115	J	RL	0.200	0.102	1
				ug/m3	0.333	J	RL	0.622	0.317	1	0.358	J	RL	0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0763	J	RL	0.200	0.0732	1	0.0748	J	RL	0.200	0.0732	1
				ug/m3	0.481	J	RL	1.26	0.461	1	0.471	J	RL	1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.558			0.200	0.103	1	0.596			0.200	0.103	1
				ug/m3	1.15			0.413	0.213	1	1.23			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1691678-06					
				Sample Name							MTWA1223MC001D					
				Sample Date							12/23/2023 11:05:00 PM					
				Sample Type							FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	1.05			0.200	0.0753	1	0.772			0.200	0.0753	1
				ug/m3	3.62			0.689	0.259	1	2.66			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.538			0.200	0.137	1	0.525			0.200	0.137	1
				ug/m3	2.66			0.989	0.678	1	2.60			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	15.4			2.50	0.265	1	10.9			2.50	0.265	1
				ug/m3	29.0			4.71	0.500	1	20.6			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.613			0.200	0.0835	1	0.448			0.200	0.0835	1
				ug/m3	2.66			0.867	0.362	1	1.94			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	1.01			0.200	0.104	1	0.774			0.200	0.104	1
				ug/m3	4.13			0.818	0.425	1	3.17			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.155	J	RL	0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.762	J	RL	0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	2.16			0.400	0.135	1	1.61			0.400	0.135	1
				ug/m3	9.36			1.73	0.585	1	6.98			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.340			0.200	0.0979	1	0.385			0.200	0.0979	1
				ug/m3	1.18			0.694	0.340	1	1.34			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				L1691678-05							L1691678-06						
				Sample Name	MTWA1223MC003							MTWA1223MC001D					
				Sample Date	12/23/2023 11:45:00 PM							12/23/2023 11:05:00 PM					
				Sample Type	TRG							FD					
				% Moisture													
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1	
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1	
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1	
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1	
	n-Hexane	110-54-3	T	ppbv	0.798			0.630	0.206	1	0.611	J	RL	0.630	0.206	1	
				ug/m3	2.81			2.22	0.726	1	2.15	J	RL	2.22	0.726	1	
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1	
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1	
	o-Xylene	95-47-6	T	ppbv	0.832			0.200	0.0828	1	0.608			0.200	0.0828	1	
				ug/m3	3.61			0.867	0.359	1	2.64			0.867	0.359	1	
	Pentane	109-66-0	T	ppbv	1.21			0.200	0.0503	1	1.16	J	FD	0.200	0.0503	1	
				ug/m3	3.57			0.590	0.148	1	3.42	J	FD	0.590	0.148	1	
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1	
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1	
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1	
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1	
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1	
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1	
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1	
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1	
	Toluene	108-88-3	T	ppbv	5.02			0.500	0.0870	1	0.0870	UJ	FD	0.500	0.0870	1	
				ug/m3	18.9			1.88	0.328	1	0.328	UJ	FD	1.88	0.328	1	
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1	
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1	
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1	
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1	
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1	
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1	

				Lab Sample ID	L1691678-05						L1691678-06					
				Sample Name	MTWA1223MC003						MTWA1223MC001D					
				Sample Date	12/23/2023 11:45:00 PM						12/23/2023 11:05:00 PM					
				Sample Type	TRG						FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.241			0.200	0.0819	1	0.241			0.200	0.0819	1
				ug/m3	1.35			1.12	0.460	1	1.35			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1691678-08					
				Sample Name							MTWA1221MC003					
				Sample Date							12/22/2023 7:40:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0995	J	RL	0.200	0.0764	1	0.267			0.200	0.0764	1
				ug/m3	0.488	J	RL	0.982	0.375	1	1.31			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0812	J	RL	0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.399	J	RL	0.982	0.382	1

				L1691678-07							L1691678-08											
				Sample Name							MTWA1221MC001						MTWA1221MC003					
				Sample Date							12/22/2023 9:25:00 AM						12/22/2023 7:40:00 AM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1						
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1						
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1						
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1						
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1						
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1						
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1						
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1						
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1						
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1						
	2-Butanone (MEK)	78-93-3	T	ppbv	0.517	J	RL	1.25	0.0814	1	0.420	J	RL	1.25	0.0814	1						
				ug/m3	1.52	J	RL	3.69	0.240	1	1.24	J	RL	3.69	0.240	1						
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1						
	2-Propanol	67-63-0	T	ppbv	6.83	J	FD	1.25	0.264	1	0.883	U	BL	1.25	0.883	1						
				ug/m3	16.8	J	FD	3.07	0.649	1	2.17	U	BL	3.07	2.17	1						
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1						
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1						
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.207	J	RL	1.25	0.0765	1	0.0765	U		1.25	0.0765	1						
				ug/m3	0.847	J	RL	5.12	0.313	1	0.313	U		5.12	0.313	1						
	Acetone	67-64-1	T	ppbv	9.11	J	FD	1.25	0.584	1	3.20			1.25	0.584	1						
				ug/m3	21.6	J	FD	2.97	1.39	1	7.60			2.97	1.39	1						
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1						
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1						
	Acrylonitrile	107-13-1	T	ppbv	0.226	UJ	FD	5.00	0.226	1	0.226	U		5.00	0.226	1						
				ug/m3	0.490	UJ	FD	10.8	0.490	1	0.490	U		10.8	0.490	1						
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1						
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1						

				Lab Sample ID							L1691678-08					
				Sample Name							MTWA1221MC003					
				Sample Date							12/22/2023 7:40:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.302			0.200	0.0715	1	0.330			0.200	0.0715	1
				ug/m3	0.965			0.639	0.228	1	1.05			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	2.38	J	FD	0.200	0.0522	1	1.30			0.200	0.0522	1
				ug/m3	5.65	J	FD	0.474	0.124	1	3.08			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.130	J	RL	0.200	0.102	1	0.122	J	RL	0.200	0.102	1
				ug/m3	0.405	J	RL	0.622	0.317	1	0.380	J	RL	0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0788	J	RL	0.200	0.0732	1	0.0780	J	RL	0.200	0.0732	1
				ug/m3	0.496	J	RL	1.26	0.461	1	0.491	J	RL	1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.764	J	FD	0.200	0.103	1	0.593			0.200	0.103	1
				ug/m3	1.58	J	FD	0.413	0.213	1	1.22			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1691678-07							L1691678-08						
				Sample Name							MTWA1221MC001							MTWA1221MC003						
				Sample Date							12/22/2023 9:25:00 AM							12/22/2023 7:40:00 AM						
				Sample Type							TRG							TRG						
				% Moisture																				
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF								
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1								
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1								
	Cyclohexane	110-82-7	T	ppbv	0.203	J	FD	0.200	0.0753	1	0.481			0.200	0.0753	1								
				ug/m3	0.699	J	FD	0.689	0.259	1	1.66			0.689	0.259	1								
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1								
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1								
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.536			0.200	0.137	1	0.532			0.200	0.137	1								
				ug/m3	2.65			0.989	0.678	1	2.63			0.989	0.678	1								
	Ethanol	64-17-5	T	ppbv	118	J	E,FD	2.50	0.265	1	7.08			2.50	0.265	1								
				ug/m3	222	J	E,FD	4.71	0.500	1	13.3			4.71	0.500	1								
	Ethylbenzene	100-41-4	T	ppbv	0.129	J	RL	0.200	0.0835	1	0.309			0.200	0.0835	1								
				ug/m3	0.559	J	RL	0.867	0.362	1	1.34			0.867	0.362	1								
	Heptane	142-82-5	T	ppbv	0.186	J	RL,FD	0.200	0.104	1	0.494			0.200	0.104	1								
				ug/m3	0.761	J	RL,FD	0.818	0.425	1	2.02			0.818	0.425	1								
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1								
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1								
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1								
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1								
	m&p-Xylene	179601-23-1	T	ppbv	0.392	J	RL,FD	0.400	0.135	1	1.07			0.400	0.135	1								
				ug/m3	1.70	J	RL,FD	1.73	0.585	1	4.64			1.73	0.585	1								
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1								
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1								
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1								
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1								
	Methylene Chloride	75-09-2	T	ppbv	22.0	J	FD	0.200	0.0979	1	0.458			0.200	0.0979	1								
				ug/m3	76.4	J	FD	0.694	0.340	1	1.59			0.694	0.340	1								
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1								
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1								

				L1691678-07							L1691678-08											
				Sample Name							MTWA1221MC001						MTWA1221MC003					
				Sample Date							12/22/2023 9:25:00 AM						12/22/2023 7:40:00 AM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1						
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1						
	n-Decane	124-18-5	T	ppbv	0.139	J	L+	0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.809	J	L+	1.16	0.456	1	0.456	U		1.16	0.456	1						
	n-Hexane	110-54-3	T	ppbv	1.38	J	FD	0.630	0.206	1	0.451	J	RL	0.630	0.206	1						
				ug/m3	4.87	J	FD	2.22	0.726	1	1.59	J	RL	2.22	0.726	1						
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1						
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1						
	o-Xylene	95-47-6	T	ppbv	0.157	J	RL,FD	0.200	0.0828	1	0.423			0.200	0.0828	1						
				ug/m3	0.681	J	RL,FD	0.867	0.359	1	1.83			0.867	0.359	1						
	Pentane	109-66-0	T	ppbv	19.0	J	FD	0.200	0.0503	1	0.712			0.200	0.0503	1						
				ug/m3	56.1	J	FD	0.590	0.148	1	2.10			0.590	0.148	1						
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1						
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1						
	Styrene	100-42-5	T	ppbv	0.103	J	RL	0.200	0.0788	1	0.0788	U		0.200	0.0788	1						
				ug/m3	0.438	J	RL	0.851	0.335	1	0.335	U		0.851	0.335	1						
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1						
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1						
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1						
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1						
	Toluene	108-88-3	T	ppbv	3.19	J	FD	0.500	0.0870	1	2.49			0.500	0.0870	1						
				ug/m3	12.0	J	FD	1.88	0.328	1	9.38			1.88	0.328	1						
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1						
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1						
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1						
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1						
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1						
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1						

				Lab Sample ID	L1691678-07						L1691678-08					
				Sample Name	MTWA1221MC001						MTWA1221MC003					
				Sample Date	12/22/2023 9:25:00 AM						12/22/2023 7:40:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.249			0.200	0.0819	1	0.237			0.200	0.0819	1
				ug/m3	1.40			1.12	0.460	1	1.33			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1692028
Report Date: February 23, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the eight air samples collected on December 26 and 27, 2023, at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were collectively analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratories for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1692028.

The samples that have undergone Level 2 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA1226MC001	L1692028-01	L1692028	Air	12/27/23	VOC
MTWA1226MC002	L1692028-02	L1692028	Air	12/27/23	VOC
MTWA1226MC003	L1692028-03	L1692028	Air	12/27/23	VOC
MTWA1226MC004	L1692028-04	L1692028	Air	12/27/23	VOC
MTWA1225MC001	L1692028-05	L1692028	Air	12/26/23	VOC
MTWA1225MC002	L1692028-06	L1692028	Air	12/26/23	VOC
MTWA1225MC003	L1692028-07	L1692028	Air	12/26/23	VOC
MTWA1225MC004	L1692028-08	L1692028	Air	12/26/23	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.



Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)

Comments

1. Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on December 29, 2023 and a final revised analytical report and EDD was provided on February 21, 2024.
2. The initial analytical report and EDD did not report the results to the MDL. Upon Environmental Standards' inquiry, a revised analytical report and EDD were provided to report the MDL.
3. FedEx did not sign and date the Relinquished By field on the COC Record.

Based on the items included in this QA review, the following qualifier is offered.

- All positive results reported between the MDL and RL should be considered estimated and have been flagged "J" on the data tables. (Reason Code RL)

Review performed by:	Kassidy R. Hooper, Quality Assurance Chemist
Review reviewed by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date review completed:	2/23/24

ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID	L1692028-01						L1692028-02					
				Sample Name	MTWA1226MC001						MTWA1226MC002					
				Sample Date	12/27/2023 8:02:00 PM						12/27/2023 7:39:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.144	J	RL	0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.707	J	RL	0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				L1692028-01							L1692028-02											
				Sample Name							MTWA1226MC001						MTWA1226MC002					
				Sample Date							12/27/2023 8:02:00 PM						12/27/2023 7:39:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1						
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1						
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1						
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1						
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1						
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1						
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1						
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1						
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1						
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1						
	2-Butanone (MEK)	78-93-3	T	ppbv	0.486	J	RL	1.25	0.0814	1	0.728	J	RL	1.25	0.0814	1						
				ug/m3	1.43	J	RL	3.69	0.240	1	2.15	J	RL	3.69	0.240	1						
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1						
	2-Propanol	67-63-0	T	ppbv	0.711	J	RL	1.25	0.264	1	0.694	J	RL	1.25	0.264	1						
				ug/m3	1.75	J	RL	3.07	0.649	1	1.71	J	RL	3.07	0.649	1						
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1						
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1						
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.117	J	RL	1.25	0.0765	1						
				ug/m3	0.313	U		5.12	0.313	1	0.479	J	RL	5.12	0.313	1						
	Acetone	67-64-1	T	ppbv	5.21			1.25	0.584	1	16.6			1.25	0.584	1						
				ug/m3	12.4			2.97	1.39	1	39.4			2.97	1.39	1						
	Acetonitrile	75-05-8	T	ppbv	0.277	J	RL	5.00	0.235	1	0.235	U		5.00	0.235	1						
				ug/m3	0.465	J	RL	8.39	0.395	1	0.395	U		8.39	0.395	1						
	Acrylonitrile	107-13-1	T	ppbv	2.85	J	RL	5.00	0.226	1	0.226	U		5.00	0.226	1						
				ug/m3	6.18	J	RL	10.8	0.490	1	0.490	U		10.8	0.490	1						
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1						
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1						

				Lab Sample ID							L1692028-01						L1692028-02					
				Sample Name							MTWA1226MC001						MTWA1226MC002					
				Sample Date							12/27/2023 8:02:00 PM						12/27/2023 7:39:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Benzene	71-43-2	T	ppbv	0.283			0.200	0.0715	1	0.327			0.200	0.0715	1						
				ug/m3	0.904			0.639	0.228	1	1.04			0.639	0.228	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	0.686			0.200	0.0522	1	0.460			0.200	0.0522	1						
				ug/m3	1.63			0.474	0.124	1	1.09			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1						
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1						
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.352			0.200	0.0996	1						
				ug/m3	0.263	U		0.528	0.263	1	0.929			0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	0.517			0.200	0.103	1	0.716			0.200	0.103	1						
				ug/m3	1.07			0.413	0.213	1	1.48			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				Lab Sample ID							L1692028-01							L1692028-02						
				Sample Name							MTWA1226MC001							MTWA1226MC002						
				Sample Date							12/27/2023 8:02:00 PM							12/27/2023 7:39:00 PM						
				Sample Type							TRG							TRG						
				% Moisture																				
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF								
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1								
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1								
	Cyclohexane	110-82-7	T	ppbv	0.266			0.200	0.0753	1	0.170	J	RL	0.200	0.0753	1								
				ug/m3	0.916			0.689	0.259	1	0.585	J	RL	0.689	0.259	1								
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1								
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1								
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.433			0.200	0.137	1	0.421			0.200	0.137	1								
				ug/m3	2.14			0.989	0.678	1	2.08			0.989	0.678	1								
	Ethanol	64-17-5	T	ppbv	11.7			2.50	0.265	1	16.7			2.50	0.265	1								
				ug/m3	22.1			4.71	0.500	1	31.5			4.71	0.500	1								
	Ethylbenzene	100-41-4	T	ppbv	0.152	J	RL	0.200	0.0835	1	0.110	J	RL	0.200	0.0835	1								
				ug/m3	0.659	J	RL	0.867	0.362	1	0.477	J	RL	0.867	0.362	1								
	Heptane	142-82-5	T	ppbv	0.260			0.200	0.104	1	0.210			0.200	0.104	1								
				ug/m3	1.06			0.818	0.425	1	0.859			0.818	0.425	1								
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1								
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1								
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1								
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1								
	m&p-Xylene	179601-23-1	T	ppbv	0.514			0.400	0.135	1	0.370	J	RL	0.400	0.135	1								
				ug/m3	2.23			1.73	0.585	1	1.60	J	RL	1.73	0.585	1								
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1								
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1								
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1								
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1								
	Methylene Chloride	75-09-2	T	ppbv	0.218			0.200	0.0979	1	0.229			0.200	0.0979	1								
				ug/m3	0.757			0.694	0.340	1	0.795			0.694	0.340	1								
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1								
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1								

				Lab Sample ID							L1692028-01						L1692028-02					
				Sample Name							MTWA1226MC001						MTWA1226MC002					
				Sample Date							12/27/2023 8:02:00 PM						12/27/2023 7:39:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1						
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1						
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1						
	n-Hexane	110-54-3	T	ppbv	0.222	J	RL	0.630	0.206	1	0.206	U		0.630	0.206	1						
				ug/m3	0.783	J	RL	2.22	0.726	1	0.726	U		2.22	0.726	1						
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1						
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1						
	o-Xylene	95-47-6	T	ppbv	0.223			0.200	0.0828	1	0.146	J	RL	0.200	0.0828	1						
				ug/m3	0.967			0.867	0.359	1	0.633	J	RL	0.867	0.359	1						
	Pentane	109-66-0	T	ppbv	0.499			0.200	0.0503	1	0.340			0.200	0.0503	1						
				ug/m3	1.47			0.590	0.148	1	1.00			0.590	0.148	1						
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1						
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1						
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1						
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1						
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1						
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1						
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1						
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1						
	Toluene	108-88-3	T	ppbv	2.18			0.500	0.0870	1	1.57			0.500	0.0870	1						
				ug/m3	8.21			1.88	0.328	1	5.91			1.88	0.328	1						
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1						
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1						
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1						
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1						
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1						
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1						

				Lab Sample ID	L1692028-01						L1692028-02					
				Sample Name	MTWA1226MC001						MTWA1226MC002					
				Sample Date	12/27/2023 8:02:00 PM						12/27/2023 7:39:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.199	J	RL	0.200	0.0819	1	0.190	J	RL	0.200	0.0819	1
				ug/m3	1.12	J	RL	1.12	0.460	1	1.07	J	RL	1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				L1692028-03							L1692028-04											
				Sample Name							MTWA1226MC003						MTWA1226MC004					
				Sample Date							12/27/2023 8:22:00 PM						12/27/2023 8:36:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1						
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1						
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1						
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1						
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1						
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1						
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1						
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1						
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1						
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1						
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1						
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1						
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1						
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1						
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1						
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1						
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1						
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1						
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1						
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1						
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1						
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1						
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1						
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1						
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1						
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1						
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1						
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1						

				Lab Sample ID	L1692028-03						L1692028-04					
				Sample Name	MTWA1226MC003						MTWA1226MC004					
				Sample Date	12/27/2023 8:22:00 PM						12/27/2023 8:36:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.450	J	RL	1.25	0.0814	1	0.219	J	RL	1.25	0.0814	1
				ug/m3	1.33	J	RL	3.69	0.240	1	0.646	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.562	J	RL	1.25	0.264	1	21.4			1.25	0.264	1
				ug/m3	1.38	J	RL	3.07	0.649	1	52.6			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.195	J	RL	1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.798	J	RL	5.12	0.313	1
	Acetone	67-64-1	T	ppbv	4.66			1.25	0.584	1	8.24			1.25	0.584	1
				ug/m3	11.1			2.97	1.39	1	19.6			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1692028-03						L1692028-04					
				Sample Name							MTWA1226MC003						MTWA1226MC004					
				Sample Date							12/27/2023 8:22:00 PM						12/27/2023 8:36:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Benzene	71-43-2	T	ppbv	0.175	J	RL	0.200	0.0715	1	0.200	J	RL	0.200	0.0715	1						
				ug/m3	0.559	J	RL	0.639	0.228	1	0.639	J	RL	0.639	0.228	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	0.740			0.200	0.0522	1	3.83			0.200	0.0522	1						
				ug/m3	1.76			0.474	0.124	1	9.09			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1						
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1						
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1						
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0755	J	RL	0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.367	J	RL	0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	0.480			0.200	0.103	1	0.525			0.200	0.103	1						
				ug/m3	0.991			0.413	0.213	1	1.08			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				Lab Sample ID							L1692028-04					
				Sample Name							MTWA1226MC004					
				Sample Date							12/27/2023 8:36:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.368			0.200	0.0753	1	0.119	J	RL	0.200	0.0753	1
				ug/m3	1.27			0.689	0.259	1	0.410	J	RL	0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.424			0.200	0.137	1	0.416			0.200	0.137	1
				ug/m3	2.10			0.989	0.678	1	2.06			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	5.07			2.50	0.265	1	88.4			2.50	0.265	1
				ug/m3	9.56			4.71	0.500	1	167			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.192	J	RL	0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.832	J	RL	0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.343			0.200	0.104	1	0.121	J	RL	0.200	0.104	1
				ug/m3	1.40			0.818	0.425	1	0.495	J	RL	0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.605			0.400	0.135	1	0.149	J	RL	0.400	0.135	1
				ug/m3	2.62			1.73	0.585	1	0.646	J	RL	1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.252			0.200	0.0979	1	10.3			0.200	0.0979	1
				ug/m3	0.875			0.694	0.340	1	35.8			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1692028-03							L1692028-04						
				Sample Name							MTWA1226MC003							MTWA1226MC004						
				Sample Date							12/27/2023 8:22:00 PM							12/27/2023 8:36:00 PM						
				Sample Type							TRG							TRG						
				% Moisture																				
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF								
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1								
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1								
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1								
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1								
	n-Hexane	110-54-3	T	ppbv	0.329	J	RL	0.630	0.206	1	0.670			0.630	0.206	1								
				ug/m3	1.16	J	RL	2.22	0.726	1	2.36			2.22	0.726	1								
	Nonane	111-84-2	T	ppbv	0.0517	J	RL	0.200	0.0363	1	0.0363	U		0.200	0.0363	1								
				ug/m3	0.271	J	RL	1.05	0.190	1	0.190	U		1.05	0.190	1								
	o-Xylene	95-47-6	T	ppbv	0.261			0.200	0.0828	1	0.0828	U		0.200	0.0828	1								
				ug/m3	1.13			0.867	0.359	1	0.359	U		0.867	0.359	1								
	Pentane	109-66-0	T	ppbv	0.601			0.200	0.0503	1	5.14			0.200	0.0503	1								
				ug/m3	1.77			0.590	0.148	1	15.2			0.590	0.148	1								
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1								
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1								
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1								
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1								
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1								
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1								
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1								
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1								
	Toluene	108-88-3	T	ppbv	1.42			0.500	0.0870	1	0.997			0.500	0.0870	1								
				ug/m3	5.35			1.88	0.328	1	3.76			1.88	0.328	1								
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1								
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1								
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1								
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1								
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1								
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1								

				Lab Sample ID	L1692028-03						L1692028-04					
				Sample Name	MTWA1226MC003						MTWA1226MC004					
				Sample Date	12/27/2023 8:22:00 PM						12/27/2023 8:36:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.186	J	RL	0.200	0.0819	1	0.196	J	RL	0.200	0.0819	1
				ug/m3	1.05	J	RL	1.12	0.460	1	1.10	J	RL	1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1692028-05						L1692028-06					
				Sample Name							MTWA1225MC001						MTWA1225MC002					
				Sample Date							12/26/2023 7:34:00 PM						12/26/2023 8:05:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1						
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1						
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1						
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1						
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1						
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1						
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1						
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1						
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1						
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1						
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1						
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1						
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1						
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1						
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1						
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1						
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1						
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1						
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1						
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1						
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1						
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1						
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1						
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1						
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1						
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1						
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1						
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1						

				L1692028-05							L1692028-06						
				Sample Name	MTWA1225MC001							MTWA1225MC002					
				Sample Date	12/26/2023 7:34:00 PM							12/26/2023 8:05:00 PM					
				Sample Type	TRG							TRG					
				% Moisture													
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1	
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1	
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1	
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1	
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1	
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1	
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1	
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1	
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1	
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1	
	2-Butanone (MEK)	78-93-3	T	ppbv	0.198	J	RL	1.25	0.0814	1	0.502	J	RL	1.25	0.0814	1	
				ug/m3	0.584	J	RL	3.69	0.240	1	1.48	J	RL	3.69	0.240	1	
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1	
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1	
	2-Propanol	67-63-0	T	ppbv	0.422	J	RL	1.25	0.264	1	0.728	J	RL	1.25	0.264	1	
				ug/m3	1.04	J	RL	3.07	0.649	1	1.79	J	RL	3.07	0.649	1	
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1	
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1	
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1	
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1	
	Acetone	67-64-1	T	ppbv	2.61			1.25	0.584	1	5.55			1.25	0.584	1	
				ug/m3	6.20			2.97	1.39	1	13.2			2.97	1.39	1	
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1	
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1	
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1	
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1	
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1	
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1	

				Lab Sample ID							L1692028-05						L1692028-06					
				Sample Name							MTWA1225MC001						MTWA1225MC002					
				Sample Date							12/26/2023 7:34:00 PM						12/26/2023 8:05:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Benzene	71-43-2	T	ppbv	0.168	J	RL	0.200	0.0715	1	0.682			0.200	0.0715	1						
				ug/m3	0.537	J	RL	0.639	0.228	1	2.18			0.639	0.228	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	0.332			0.200	0.0522	1	0.313			0.200	0.0522	1						
				ug/m3	0.788			0.474	0.124	1	0.742			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1						
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1						
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.324			0.200	0.0996	1						
				ug/m3	0.263	U		0.528	0.263	1	0.855			0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	0.547			0.200	0.103	1	0.637			0.200	0.103	1						
				ug/m3	1.13			0.413	0.213	1	1.32			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				Lab Sample ID							L1692028-05						L1692028-06					
				Sample Name							MTWA1225MC001						MTWA1225MC002					
				Sample Date							12/26/2023 7:34:00 PM						12/26/2023 8:05:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1						
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1						
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1						
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1						
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1						
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1						
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.429			0.200	0.137	1	0.415			0.200	0.137	1						
				ug/m3	2.12			0.989	0.678	1	2.05			0.989	0.678	1						
	Ethanol	64-17-5	T	ppbv	5.99			2.50	0.265	1	15.8			2.50	0.265	1						
				ug/m3	11.3			4.71	0.500	1	29.8			4.71	0.500	1						
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1						
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1						
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.115	J	RL	0.200	0.104	1						
				ug/m3	0.425	U		0.818	0.425	1	0.470	J	RL	0.818	0.425	1						
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1						
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1						
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.282			0.200	0.0777	1						
				ug/m3	0.382	U		0.983	0.382	1	1.39			0.983	0.382	1						
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1						
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1						
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1						
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1						
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1						
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1						
	Methylene Chloride	75-09-2	T	ppbv	0.251			0.200	0.0979	1	0.199	J	RL	0.200	0.0979	1						
				ug/m3	0.872			0.694	0.340	1	0.691	J	RL	0.694	0.340	1						
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1						
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1						

				Lab Sample ID							L1692028-05						L1692028-06					
				Sample Name							MTWA1225MC001						MTWA1225MC002					
				Sample Date							12/26/2023 7:34:00 PM						12/26/2023 8:05:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1						
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1						
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1						
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1						
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1						
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1						
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1						
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1						
	Pentane	109-66-0	T	ppbv	0.174	J	RL	0.200	0.0503	1	0.151	J	RL	0.200	0.0503	1						
				ug/m3	0.513	J	RL	0.590	0.148	1	0.446	J	RL	0.590	0.148	1						
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1						
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1						
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1						
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1						
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1						
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1						
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1						
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1						
	Toluene	108-88-3	T	ppbv	0.546			0.500	0.0870	1	1.33			0.500	0.0870	1						
				ug/m3	2.06			1.88	0.328	1	5.01			1.88	0.328	1						
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1						
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1						
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1						
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1						
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1						
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1						

				Lab Sample ID	L1692028-05						L1692028-06					
				Sample Name	MTWA1225MC001						MTWA1225MC002					
				Sample Date	12/26/2023 7:34:00 PM						12/26/2023 8:05:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.186	J	RL	0.200	0.0819	1	0.192	J	RL	0.200	0.0819	1
				ug/m3	1.05	J	RL	1.12	0.460	1	1.08	J	RL	1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1692028-07						L1692028-08					
				Sample Name	MTWA1225MC003						MTWA1225MC004					
				Sample Date	12/26/2023 8:26:00 PM						12/26/2023 8:47:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID	L1692028-07						L1692028-08					
				Sample Name	MTWA1225MC003						MTWA1225MC004					
				Sample Date	12/26/2023 8:26:00 PM						12/26/2023 8:47:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.682	J	RL	1.25	0.0814	1	0.283	J	RL	1.25	0.0814	1
				ug/m3	2.01	J	RL	3.69	0.240	1	0.835	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.591	J	RL	1.25	0.264	1	1.26			1.25	0.264	1
				ug/m3	1.45	J	RL	3.07	0.649	1	3.10			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	42.6			1.25	0.584	1	3.04			1.25	0.584	1
				ug/m3	101			2.97	1.39	1	7.22			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	1.94	J	RL	5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	4.21	J	RL	10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1692028-07						L1692028-08					
				Sample Name							MTWA1225MC003						MTWA1225MC004					
				Sample Date							12/26/2023 8:26:00 PM						12/26/2023 8:47:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Benzene	71-43-2	T	ppbv	0.236			0.200	0.0715	1	0.126	J	RL	0.200	0.0715	1						
				ug/m3	0.754			0.639	0.228	1	0.402	J	RL	0.639	0.228	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	5.51			0.200	0.0522	1	0.363			0.200	0.0522	1						
				ug/m3	13.1			0.474	0.124	1	0.861			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1						
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1						
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.214			0.200	0.0996	1	0.0996	U		0.200	0.0996	1						
				ug/m3	0.565			0.528	0.263	1	0.263	U		0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	0.556			0.200	0.103	1	0.480			0.200	0.103	1						
				ug/m3	1.15			0.413	0.213	1	0.991			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				L1692028-07							L1692028-08					
				Sample Name							MTWA1225MC004					
				Sample Date							12/26/2023 8:47:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.407			0.200	0.137	1	0.410			0.200	0.137	1
				ug/m3	2.01			0.989	0.678	1	2.03			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	6.09			2.50	0.265	1	8.83			2.50	0.265	1
				ug/m3	11.5			4.71	0.500	1	16.6			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	2.08			0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	8.51			0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.209			0.200	0.0979	1	0.212			0.200	0.0979	1
				ug/m3	0.726			0.694	0.340	1	0.736			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1692028-07						L1692028-08					
				Sample Name							MTWA1225MC003						MTWA1225MC004					
				Sample Date							12/26/2023 8:26:00 PM						12/26/2023 8:47:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1						
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1						
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1						
	n-Hexane	110-54-3	T	ppbv	0.950			0.630	0.206	1	0.206	U		0.630	0.206	1						
				ug/m3	3.35			2.22	0.726	1	0.726	U		2.22	0.726	1						
	Nonane	111-84-2	T	ppbv	0.0976	J	RL	0.200	0.0363	1	0.0363	U		0.200	0.0363	1						
				ug/m3	0.512	J	RL	1.05	0.190	1	0.190	U		1.05	0.190	1						
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1						
	Pentane	109-66-0	T	ppbv	63.7			0.200	0.0503	1	0.393			0.200	0.0503	1						
				ug/m3	188			0.590	0.148	1	1.16			0.590	0.148	1						
	Propene	115-07-1	T	ppbv	1.56			1.25	0.0932	1	0.0932	U		1.25	0.0932	1						
				ug/m3	2.69			2.15	0.160	1	0.160	U		2.15	0.160	1						
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1						
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1						
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1						
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1						
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1						
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1						
	Toluene	108-88-3	T	ppbv	0.331	J	RL	0.500	0.0870	1	0.219	J	RL	0.500	0.0870	1						
				ug/m3	1.25	J	RL	1.88	0.328	1	0.825	J	RL	1.88	0.328	1						
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1						
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1						
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1						
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1						
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1						
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1						

				Lab Sample ID	L1692028-07						L1692028-08					
				Sample Name	MTWA1225MC003						MTWA1225MC004					
				Sample Date	12/26/2023 8:26:00 PM						12/26/2023 8:47:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.183	J	RL	0.200	0.0819	1	0.194	J	RL	0.200	0.0819	1
				ug/m3	1.03	J	RL	1.12	0.460	1	1.09	J	RL	1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1692587
Report Date: April 1, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of eight air samples collected on December 30 and 31, 2023, at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were collectively analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratories for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1692587.

The samples that have undergone Level 2 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA1229MC001	L1692587-01	L1692587	Air	12/30/23	VOC
MTWA1229MC002	L1692587-02	L1692587	Air	12/30/23	VOC
MTWA1229MC002CL (Field Duplicate of MTWA1229MC002)	L1692587-03	L1692587	Air	12/30/23	VOC
MTWA1229MC003	L1692587-04	L1692587	Air	12/30/23	VOC
MTWA1229MC004	L1692587-05	L1692587	Air	12/30/23	VOC
MTWA1230MC001	L1692587-06	L1692587	Air	12/31/23	VOC
MTWA1230MC002	L1692587-07	L1692587	Air	12/31/23	VOC
MTWA1230MC003	L1692587-08	L1692587	Air	12/31/23	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.



Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Field Duplicate Results
Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)	

Comments

1. Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on January 4, 2024. A final revised analytical report and EDD were provided on February 23, 2024.
2. The initial analytical report and EDD did not report the results to the MDL. Upon Environmental Standards' request, a revised analytical report and EDD were provided to report to the MDL.
3. FedEx did not sign and date the "Relinquished By" field on the COC Record.
4. Two field duplicate pairs (sample MTWA1230MC003 and its field duplicate sample, MTWA1230MC003CL, and sample MTWA1229MC002 and its field duplicate sample, MTWA1229MC002CL) were collected and analyzed for VOCs with this data set. Sample MTWA1230MC003CL is reported in Pace National SDG L1692595. Acceptable precision and sample representativeness were observed, with the exceptions noted below.
5. The ethanol result in sample MTWA1229MC004 and MTWA1230MC001 exceeded the linear calibration range of the instrument for the VOC analyses; however, the samples were not diluted and reanalyzed by the laboratory. Qualification of data due to this issue is addressed in the subsequent qualifier table.

Based on the items included in this QA review, the following qualifiers are offered.

Analyte(s)	Sample(s)	Validation Qualifier(s)	Reason for Qualification
ethanol	MTWA1229MC004 and MTWA1230MC001	J	E
acetone and ethanol	MTWA1230MC003	J	FD
2-propanol, acetone, acrylonitrile, butane, chloroethane, ethanol, pentane, and toluene	MTWA1229MC002 and MTWA1229MC002CL	J/UJ	FD

- All positive results reported between the MDL and RL should be considered estimated and have been flagged "J" on the data tables. (Reason Code RL)

Review performed by:	Dwight M. Hoster, Quality Assurance Chemist
Review reviewed by:	Abigail P. Bossbaly, Project Quality Assurance Chemist
Review approved by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date review completed:	4/1/24



ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID	L1692587-01						L1692587-02					
				Sample Name	MTWA1229MC001						MTWA1229MC002					
				Sample Date	12/30/2023 8:44:00 PM						12/30/2023 9:03:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1692587-01					
				Sample Name							MTWA1229MC001					
				Sample Date							12/30/2023 8:44:00 PM					
				Sample Type							TRG					
				% Moisture												
				L1692587-02												
				MTWA1229MC002												
				12/30/2023 9:03:00 PM												
				TRG												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.188	J	RL	1.25	0.0814	1	0.709	J	RL	1.25	0.0814	1
				ug/m3	0.554	J	RL	3.69	0.240	1	2.09	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.53			1.25	0.264	1	3.33	J	FD	1.25	0.264	1
				ug/m3	3.76			3.07	0.649	1	8.19	J	FD	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	2.78			1.25	0.584	1	7.31	J	FD	1.25	0.584	1
				ug/m3	6.61			2.97	1.39	1	17.4	J	FD	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	1.82	J	RL	5.00	0.226	1	7.28	J	FD	5.00	0.226	1
				ug/m3	3.95	J	RL	10.8	0.490	1	15.8	J	FD	10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1692587-01					
				Sample Name							MTWA1229MC001					
				Sample Date							12/30/2023 8:44:00 PM					
				Sample Type							TRG					
				% Moisture												
											L1692587-02					

				Lab Sample ID							L1692587-01					
				Sample Name							MTWA1229MC001					
				Sample Date							12/30/2023 8:44:00 PM					
				Sample Type							TRG					
				% Moisture												
				L1692587-02												
				Sample Name							MTWA1229MC002					
				Sample Date							12/30/2023 9:03:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0794	J	RL	0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.273	J	RL	0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.461			0.200	0.137	1	0.466			0.200	0.137	1
				ug/m3	2.28			0.989	0.678	1	2.30			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	8.30			2.50	0.265	1	39.9	J	FD	2.50	0.265	1
				ug/m3	15.6			4.71	0.500	1	75.2	J	FD	4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.124	J	RL	0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.538	J	RL	0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.145	J	RL	0.400	0.135	1	0.443			0.400	0.135	1
				ug/m3	0.629	J	RL	1.73	0.585	1	1.92			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.296			0.200	0.0979	1	0.454			0.200	0.0979	1
				ug/m3	1.03			0.694	0.340	1	1.58			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1692587-02					
				Sample Name							MTWA1229MC002					
				Sample Date							12/30/2023 9:03:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.155	J	RL	0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.672	J	RL	0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.376			0.200	0.0503	1	3.46	J	FD	0.200	0.0503	1
				ug/m3	1.11			0.590	0.148	1	10.2	J	FD	0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.460	J	RL	0.500	0.0870	1	3.11	J	FD	0.500	0.0870	1
				ug/m3	1.73	J	RL	1.88	0.328	1	11.7	J	FD	1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1692587-01						L1692587-02					
				Sample Name	MTWA1229MC001						MTWA1229MC002					
				Sample Date	12/30/2023 8:44:00 PM						12/30/2023 9:03:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.215			0.200	0.0819	1	0.211			0.200	0.0819	1
				ug/m3	1.21			1.12	0.460	1	1.19			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1692587-03						L1692587-04					
				Sample Name	MTWA1229MC002CL						MTWA1229MC003					
				Sample Date	12/30/2023 9:08:00 PM						12/30/2023 9:34:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				L1692587-03							L1692587-04					
				Sample Name							MTWA1229MC003					
				Sample Date							12/30/2023 9:08:00 PM					
				Sample Type							FD					
				% Moisture							TRG					
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.740	J	RL	1.25	0.0814	1	0.352	J	RL	1.25	0.0814	1
				ug/m3	2.18	J	RL	3.69	0.240	1	1.04	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.77	J	FD	1.25	0.264	1	0.793	J	RL	1.25	0.264	1
				ug/m3	4.35	J	FD	3.07	0.649	1	1.95	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	12.5	J	FD	1.25	0.584	1	3.34			1.25	0.584	1
				ug/m3	29.7	J	FD	2.97	1.39	1	7.94			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	UJ	FD	5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	UJ	FD	10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1692587-04					
				Sample Name							MTWA1229MC003					
				Sample Date							12/30/2023 9:34:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.312			0.200	0.0715	1	0.156	J	RL	0.200	0.0715	1
				ug/m3	0.997			0.639	0.228	1	0.498	J	RL	0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.392	J	FD	0.200	0.0522	1	0.485			0.200	0.0522	1
				ug/m3	0.930	J	FD	0.474	0.124	1	1.15			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0766	J	RL	0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.482	J	RL	1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.573	J	FD	0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	1.51	J	FD	0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.682			0.200	0.103	1	0.547			0.200	0.103	1
				ug/m3	1.41			0.413	0.213	1	1.13			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1692587-04					
				Sample Name							MTWA1229MC003					
				Sample Date							12/30/2023 9:34:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.455			0.200	0.137	1	0.484			0.200	0.137	1
				ug/m3	2.25			0.989	0.678	1	2.39			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	26.1	J	FD	2.50	0.265	1	5.89			2.50	0.265	1
				ug/m3	49.2	J	FD	4.71	0.500	1	11.1			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.117	J	RL	0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.479	J	RL	0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.345			0.200	0.0979	1	0.350			0.200	0.0979	1
				ug/m3	1.20			0.694	0.340	1	1.22			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1692587-04					
				Sample Name							MTWA1229MC003					
				Sample Date							12/30/2023 9:34:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.0503	UJ	FD	0.200	0.0503	1	0.215			0.200	0.0503	1
				ug/m3	0.148	UJ	FD	0.590	0.148	1	0.634			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	1.64	J	FD	0.500	0.0870	1	0.321	J	RL	0.500	0.0870	1
				ug/m3	6.18	J	FD	1.88	0.328	1	1.21	J	RL	1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1692587-03						L1692587-04					
				Sample Name	MTWA1229MC002CL						MTWA1229MC003					
				Sample Date	12/30/2023 9:08:00 PM						12/30/2023 9:34:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.219			0.200	0.0819	1	0.221			0.200	0.0819	1
				ug/m3	1.23			1.12	0.460	1	1.24			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1692587-05						L1692587-06					
				Sample Name	MTWA1229MC004						MTWA1230MC001					
				Sample Date	12/30/2023 9:58:00 PM						12/31/2023 7:22:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.138	J	RL	0.200	0.0764	1	0.137	J	RL	0.200	0.0764	1
				ug/m3	0.677	J	RL	0.982	0.375	1	0.672	J	RL	0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1692587-05						L1692587-06					
				Sample Name							MTWA1229MC004						MTWA1230MC001					
				Sample Date							12/30/2023 9:58:00 PM						12/31/2023 7:22:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1						
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1						
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1						
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1						
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1						
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1						
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1						
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1						
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.349			0.200	0.133	1	0.395			0.200	0.133	1						
				ug/m3	1.63			0.934	0.621	1	1.85			0.934	0.621	1						
	2-Butanone (MEK)	78-93-3	T	ppbv	0.299	J	RL	1.25	0.0814	1	0.284	J	RL	1.25	0.0814	1						
				ug/m3	0.882	J	RL	3.69	0.240	1	0.837	J	RL	3.69	0.240	1						
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1						
	2-Propanol	67-63-0	T	ppbv	25.4			1.25	0.264	1	25.6			1.25	0.264	1						
				ug/m3	62.4			3.07	0.649	1	62.9			3.07	0.649	1						
	4-Ethyltoluene	622-96-8	T	ppbv	0.0866	J	RL	0.200	0.0783	1	0.0925	J	RL	0.200	0.0783	1						
				ug/m3	0.425	J	RL	0.982	0.384	1	0.454	J	RL	0.982	0.384	1						
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1						
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1						
	Acetone	67-64-1	T	ppbv	10.8			1.25	0.584	1	11.4			1.25	0.584	1						
				ug/m3	25.7			2.97	1.39	1	27.1			2.97	1.39	1						
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1						
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1						
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1						
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1						
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1						
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1						

				Lab Sample ID							L1692587-05						L1692587-06					
				Sample Name							MTWA1229MC004						MTWA1230MC001					
				Sample Date							12/30/2023 9:58:00 PM						12/31/2023 7:22:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.539			0.200	0.0715	1	0.583			0.200	0.0715	1						
				ug/m3	1.72			0.639	0.228	1	1.86			0.639	0.228	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	6.73			0.200	0.0522	1	8.86			0.200	0.0522	1						
				ug/m3	16.0			0.474	0.124	1	21.0			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1						
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0751	J	RL	0.200	0.0732	1	0.0732	U		0.200	0.0732	1						
				ug/m3	0.473	J	RL	1.26	0.461	1	0.461	U		1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1						
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	0.485			0.200	0.103	1	0.473			0.200	0.103	1						
				ug/m3	1.00			0.413	0.213	1	0.977			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				Lab Sample ID							L1692587-05						L1692587-06					
				Sample Name							MTWA1229MC004						MTWA1230MC001					
				Sample Date							12/30/2023 9:58:00 PM						12/31/2023 7:22:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1						
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1						
	Cyclohexane	110-82-7	T	ppbv	0.330			0.200	0.0753	1	0.340			0.200	0.0753	1						
				ug/m3	1.14			0.689	0.259	1	1.17			0.689	0.259	1						
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1						
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1						
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.474			0.200	0.137	1	0.480			0.200	0.137	1						
				ug/m3	2.34			0.989	0.678	1	2.37			0.989	0.678	1						
	Ethanol	64-17-5	T	ppbv	160	J	E	2.50	0.265	1	165	J	E	2.50	0.265	1						
				ug/m3	302	J	E	4.71	0.500	1	311	J	E	4.71	0.500	1						
	Ethylbenzene	100-41-4	T	ppbv	0.196	J	RL	0.200	0.0835	1	0.207			0.200	0.0835	1						
				ug/m3	0.850	J	RL	0.867	0.362	1	0.897			0.867	0.362	1						
	Heptane	142-82-5	T	ppbv	0.663			0.200	0.104	1	0.751			0.200	0.104	1						
				ug/m3	2.71			0.818	0.425	1	3.07			0.818	0.425	1						
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1						
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1						
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1						
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1						
	m&p-Xylene	179601-23-1	T	ppbv	0.577			0.400	0.135	1	0.620			0.400	0.135	1						
				ug/m3	2.50			1.73	0.585	1	2.69			1.73	0.585	1						
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1						
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1						
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1						
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1						
	Methylene Chloride	75-09-2	T	ppbv	30.6			0.200	0.0979	1	29.4			0.200	0.0979	1						
				ug/m3	106			0.694	0.340	1	102			0.694	0.340	1						
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1						
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1						

				Lab Sample ID							L1692587-05						L1692587-06					
				Sample Name							MTWA1229MC004						MTWA1230MC001					
				Sample Date							12/30/2023 9:58:00 PM						12/31/2023 7:22:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	15.8			0.630	0.206	1	15.2			0.630	0.206	1	15.2			0.630	0.206	1
				ug/m3	55.7			2.22	0.726	1	53.6			2.22	0.726	1	53.6			2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0733	J	RL	0.200	0.0363	1	0.0744	J	RL	0.200	0.0363	1	0.0744	J	RL	0.200	0.0363	1
				ug/m3	0.385	J	RL	1.05	0.190	1	0.390	J	RL	1.05	0.190	1	0.390	J	RL	1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.224			0.200	0.0828	1	0.236			0.200	0.0828	1	0.236			0.200	0.0828	1
				ug/m3	0.971			0.867	0.359	1	1.02			0.867	0.359	1	1.02			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	8.05			0.200	0.0503	1	8.29			0.200	0.0503	1	8.29			0.200	0.0503	1
				ug/m3	23.8			0.590	0.148	1	24.5			0.590	0.148	1	24.5			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0897	J	RL	0.200	0.0788	1	0.0883	J	RL	0.200	0.0788	1	0.0883	J	RL	0.200	0.0788	1
				ug/m3	0.382	J	RL	0.851	0.335	1	0.376	J	RL	0.851	0.335	1	0.376	J	RL	0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	2.21			0.500	0.0870	1	2.27			0.500	0.0870	1	2.27			0.500	0.0870	1
				ug/m3	8.32			1.88	0.328	1	8.55			1.88	0.328	1	8.55			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1692587-05						L1692587-06					
				Sample Name	MTWA1229MC004						MTWA1230MC001					
				Sample Date	12/30/2023 9:58:00 PM						12/31/2023 7:22:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.227			0.200	0.0819	1	0.228			0.200	0.0819	1
				ug/m3	1.28			1.12	0.460	1	1.28			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1692587-07						L1692587-08					
				Sample Name							MTWA1230MC002						MTWA1230MC003					
				Sample Date							12/31/2023 7:47:00 PM						12/31/2023 8:09:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1						
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1						
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1						
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1						
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1						
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1						
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1						
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1						
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1						
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1						
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1						
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1						
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1						
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1						
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1						
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1						
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1						
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1						
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1						
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1						
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1						
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1						
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1						
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1						
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1						
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1						
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1						
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1						

				L1692587-07							L1692587-08					
				Sample Name							MTWA1230MC003					
				Sample Date							12/31/2023 8:09:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.327	J	RL	1.25	0.0814	1	0.436	J	RL	1.25	0.0814	1
				ug/m3	0.964	J	RL	3.69	0.240	1	1.29	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.43			1.25	0.264	1	0.859	J	RL	1.25	0.264	1
				ug/m3	3.52			3.07	0.649	1	2.11	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	4.01			1.25	0.584	1	5.39	J	FD	1.25	0.584	1
				ug/m3	9.53			2.97	1.39	1	12.8	J	FD	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	2.22	J	RL	5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	4.81	J	RL	10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID	L1692587-07						L1692587-08					
				Sample Name	MTWA1230MC002						MTWA1230MC003					
				Sample Date	12/31/2023 7:47:00 PM						12/31/2023 8:09:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.147	J	RL	0.200	0.0715	1	0.195	J	RL	0.200	0.0715	1
				ug/m3	0.470	J	RL	0.639	0.228	1	0.623	J	RL	0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.509			0.200	0.0522	1	0.531			0.200	0.0522	1
				ug/m3	1.21			0.474	0.124	1	1.26			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.508			0.200	0.103	1	0.507			0.200	0.103	1
				ug/m3	1.05			0.413	0.213	1	1.05			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID	L1692587-07						L1692587-08					
				Sample Name	MTWA1230MC002						MTWA1230MC003					
				Sample Date	12/31/2023 7:47:00 PM						12/31/2023 8:09:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.491			0.200	0.137	1	0.500			0.200	0.137	1
				ug/m3	2.43			0.989	0.678	1	2.47			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	6.32			2.50	0.265	1	9.08	J	FD	2.50	0.265	1
				ug/m3	11.9			4.71	0.500	1	17.1	J	FD	4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.341			0.200	0.0979	1	0.290			0.200	0.0979	1
				ug/m3	1.18			0.694	0.340	1	1.01			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID	L1692587-07						L1692587-08					
				Sample Name	MTWA1230MC002						MTWA1230MC003					
				Sample Date	12/31/2023 7:47:00 PM						12/31/2023 8:09:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.429			0.200	0.0503	1	0.300			0.200	0.0503	1
				ug/m3	1.27			0.590	0.148	1	0.885			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.265	J	RL	0.500	0.0870	1	0.802			0.500	0.0870	1
				ug/m3	0.998	J	RL	1.88	0.328	1	3.02			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0904	J	RL	0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.358	J	RL	0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1692587-07						L1692587-08					
				Sample Name	MTWA1230MC002						MTWA1230MC003					
				Sample Date	12/31/2023 7:47:00 PM						12/31/2023 8:09:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.220			0.200	0.0819	1	0.222			0.200	0.0819	1
				ug/m3	1.24			1.12	0.460	1	1.25			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1692595
Report Date: February 23, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the eight air samples collected on December 31, 2023 and January 1, 2024, at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were collectively analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratories for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1692595.

The samples that have undergone Level 2 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA1231MC001	L1692595-01	L1692595	Air	1/1/24	VOC
MTWA1231MC001CL (Field Duplicate of MTWA1231MC001)	L1692595-02	L1692595	Air	1/1/24	VOC
MTWA1231MC002	L1692595-03	L1692595	Air	1/1/24	VOC
MTWA1231MC003	L1692595-04	L1692595	Air	1/1/24	VOC
MTWA1231MC004	L1692595-05	L1692595	Air	12/31/23	VOC
MTWA1231MC004B	L1692595-06	L1692595	Air	1/1/24	VOC
MTWA1230MC003CL (Field Duplicate of MTWA1230MC003 [SDG L1692587])	L1692595-07	L1692595	Air	12/31/23	VOC
MTWA1230MC004	L1692595-08	L1692595	Air	12/31/23	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.

Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Field Duplicate Results
Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)	

Comments

1. Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on January 4, 2024 and a final revised analytical report and EDD was provided on February 21, 2024.
2. The initial analytical report and EDD did not report the results to the MDL. Upon Environmental Standards' inquiry, a revised analytical report and EDD were provided to report to the MDL.
3. Two field duplicate pairs (samples MTWA1231MC001 and its field duplicate, sample MTWA1231MC001CL and sample MTWA1230MC003 and its field duplicate, sample MTWA1230MC003CL) were collected and analyzed for VOCs with this data set. Sample MTWA1230MC003 is reported in Pace National SDG L1692587. Acceptable precision was observed between the co-located sample results with the exceptions noted in the table below.

Based on the items included in this QA review, the following qualifiers are offered.

Analytes	Samples	Validation Qualifiers	Reason for Qualification
acetone, benzene, chloromethane, ethanol, isopropylbenzene, and toluene	MTWA1231MC001 and MTWA1231MC001CL	J/UJ	FD
acetone and ethanol	MTWA1230MC003CL	J	FD

- All positive results reported between the MDL and RL should be considered estimated and have been flagged "J" on the data tables. (Reason Code RL)

Review performed by:	Kassidy R. Hooper, Quality Assurance Chemist
Review reviewed by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date review completed:	2/23/24

ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID							L1692595-02					
				Sample Name							MTWA1231MC001CL					
				Sample Date							1/1/2024 6:59:00 PM					
				Sample Type							FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0848	J	RL	0.200	0.0764	1	0.0914	J	RL	0.200	0.0764	1
				ug/m3	0.416	J	RL	0.982	0.375	1	0.449	J	RL	0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID	L1692595-01						L1692595-02					
				Sample Name	MTWA1231MC001						MTWA1231MC001CL					
				Sample Date	1/1/2024 6:59:00 PM						1/1/2024 6:59:00 PM					
				Sample Type	TRG						FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.148	J	RL	1.25	0.0814	1	0.562	J	RL	1.25	0.0814	1
				ug/m3	0.436	J	RL	3.69	0.240	1	1.66	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.475	J	RL	1.25	0.264	1	1.13	J	RL	1.25	0.264	1
				ug/m3	1.17	J	RL	3.07	0.649	1	2.78	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	4.03	J	FD	1.25	0.584	1	10.4	J	FD	1.25	0.584	1
				ug/m3	9.58	J	FD	2.97	1.39	1	24.7	J	FD	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1692595-02					
				Sample Name							MTWA1231MC001CL					
				Sample Date							1/1/2024 6:59:00 PM					
				Sample Type							FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.278	J	FD	0.200	0.0715	1	1.09	J	FD	0.200	0.0715	1
				ug/m3	0.888	J	FD	0.639	0.228	1	3.48	J	FD	0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.688			0.200	0.0522	1	0.697			0.200	0.0522	1
				ug/m3	1.63			0.474	0.124	1	1.65			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.113	J	RL	0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.352	J	RL	0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.144	J	RL	0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.380	J	RL	0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.435	J	FD	0.200	0.103	1	2.11	J	FD	0.200	0.103	1
				ug/m3	0.898	J	FD	0.413	0.213	1	4.36	J	FD	0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1692595-02					
				Sample Name							MTWA1231MC001CL					
				Sample Date							1/1/2024 6:59:00 PM					
				Sample Type							FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.160	J	RL	0.200	0.0753	1	0.188	J	RL	0.200	0.0753	1
				ug/m3	0.551	J	RL	0.689	0.259	1	0.647	J	RL	0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.488			0.200	0.137	1	0.490			0.200	0.137	1
				ug/m3	2.41			0.989	0.678	1	2.42			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	3.90	J	FD	2.50	0.265	1	10.5	J	FD	2.50	0.265	1
				ug/m3	7.35	J	FD	4.71	0.500	1	19.8	J	FD	4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.114	J	RL	0.200	0.0835	1	0.0903	J	RL	0.200	0.0835	1
				ug/m3	0.494	J	RL	0.867	0.362	1	0.391	J	RL	0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.125	J	RL	0.200	0.104	1	0.186	J	RL	0.200	0.104	1
				ug/m3	0.511	J	RL	0.818	0.425	1	0.761	J	RL	0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	UJ	FD	0.200	0.0777	1	0.293	J	FD	0.200	0.0777	1
				ug/m3	0.382	UJ	FD	0.983	0.382	1	1.44	J	FD	0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.436			0.400	0.135	1	0.320	J	RL	0.400	0.135	1
				ug/m3	1.89			1.73	0.585	1	1.39	J	RL	1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.306			0.200	0.0979	1	0.300			0.200	0.0979	1
				ug/m3	1.06			0.694	0.340	1	1.04			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				L1692595-01							L1692595-02						
				Sample Name	MTWA1231MC001							MTWA1231MC001CL					
				Sample Date	1/1/2024 6:59:00 PM							1/1/2024 6:59:00 PM					
				Sample Type	TRG							FD					
				% Moisture													
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1	
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1	
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1	
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1	
	n-Hexane	110-54-3	T	ppbv	0.209	J	RL	0.630	0.206	1	0.206	U		0.630	0.206	1	
				ug/m3	0.737	J	RL	2.22	0.726	1	0.726	U		2.22	0.726	1	
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1	
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1	
	o-Xylene	95-47-6	T	ppbv	0.213			0.200	0.0828	1	0.136	J	RL	0.200	0.0828	1	
				ug/m3	0.923			0.867	0.359	1	0.590	J	RL	0.867	0.359	1	
	Pentane	109-66-0	T	ppbv	0.522			0.200	0.0503	1	0.436			0.200	0.0503	1	
				ug/m3	1.54			0.590	0.148	1	1.29			0.590	0.148	1	
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1	
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1	
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0900	J	RL	0.200	0.0788	1	
				ug/m3	0.335	U		0.851	0.335	1	0.383	J	RL	0.851	0.335	1	
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1	
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1	
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1	
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1	
	Toluene	108-88-3	T	ppbv	0.578	J	FD	0.500	0.0870	1	2.13	J	FD	0.500	0.0870	1	
				ug/m3	2.18	J	FD	1.88	0.328	1	8.02	J	FD	1.88	0.328	1	
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1	
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1	
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1	
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1	
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1	
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1	

				Lab Sample ID	L1692595-01						L1692595-02					
				Sample Name	MTWA1231MC001						MTWA1231MC001CL					
				Sample Date	1/1/2024 6:59:00 PM						1/1/2024 6:59:00 PM					
				Sample Type	TRG						FD					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.222			0.200	0.0819	1	0.219			0.200	0.0819	1
				ug/m3	1.25			1.12	0.460	1	1.23			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				L1692595-03							L1692595-04					
				Sample Name							MTWA1231MC002					
				Sample Date							1/1/2024 4:17:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.213			0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	1.05			0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				L1692595-03							L1692595-04											
				Sample Name							MTWA1231MC002						MTWA1231MC003					
				Sample Date							1/1/2024 4:17:00 PM						1/1/2024 7:30:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1						
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1						
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1						
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1						
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1						
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1						
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1						
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1						
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.435			0.200	0.133	1	0.133	U		0.200	0.133	1						
				ug/m3	2.03			0.934	0.621	1	0.621	U		0.934	0.621	1						
	2-Butanone (MEK)	78-93-3	T	ppbv	0.911	J	RL	1.25	0.0814	1	0.212	J	RL	1.25	0.0814	1						
				ug/m3	2.69	J	RL	3.69	0.240	1	0.625	J	RL	3.69	0.240	1						
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1						
	2-Propanol	67-63-0	T	ppbv	1.06	J	RL	1.25	0.264	1	0.946	J	RL	1.25	0.264	1						
				ug/m3	2.61	J	RL	3.07	0.649	1	2.33	J	RL	3.07	0.649	1						
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1						
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1						
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1						
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1						
	Acetone	67-64-1	T	ppbv	15.9			1.25	0.584	1	3.64			1.25	0.584	1						
				ug/m3	37.8			2.97	1.39	1	8.65			2.97	1.39	1						
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1						
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1						
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1						
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1						
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1						
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1						

				Lab Sample ID							L1692595-04					
				Sample Name							MTWA1231MC003					
				Sample Date							1/1/2024 7:30:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.384			0.200	0.0715	1	0.269			0.200	0.0715	1
				ug/m3	1.23			0.639	0.228	1	0.859			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.631			0.200	0.0522	1	1.15			0.200	0.0522	1
				ug/m3	1.50			0.474	0.124	1	2.73			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.145	J	RL	0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.383	J	RL	0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.485			0.200	0.103	1	0.420			0.200	0.103	1
				ug/m3	1.00			0.413	0.213	1	0.867			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1692595-04					
				Sample Name							MTWA1231MC003					
				Sample Date							1/1/2024 7:30:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.167	J	RL	0.200	0.0753	1	0.514			0.200	0.0753	1
				ug/m3	0.575	J	RL	0.689	0.259	1	1.77			0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.486			0.200	0.137	1	0.490			0.200	0.137	1
				ug/m3	2.40			0.989	0.678	1	2.42			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	17.4			2.50	0.265	1	4.01			2.50	0.265	1
				ug/m3	32.8			4.71	0.500	1	7.56			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.241			0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	1.04			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.205			0.200	0.104	1	0.401			0.200	0.104	1
				ug/m3	0.838			0.818	0.425	1	1.64			0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.324	J	RL	0.400	0.135	1	0.854			0.400	0.135	1
				ug/m3	1.40	J	RL	1.73	0.585	1	3.70			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.271			0.200	0.0979	1	0.334			0.200	0.0979	1
				ug/m3	0.941			0.694	0.340	1	1.16			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				L1692595-03							L1692595-04					
				Sample Name							MTWA1231MC002					
				Sample Date							1/1/2024 4:17:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.392	J	RL	0.630	0.206	1	0.427	J	RL	0.630	0.206	1
				ug/m3	1.38	J	RL	2.22	0.726	1	1.51	J	RL	2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0565	J	RL	0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.296	J	RL	1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.128	J	RL	0.200	0.0828	1	0.353			0.200	0.0828	1
				ug/m3	0.555	J	RL	0.867	0.359	1	1.53			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.590			0.200	0.0503	1	0.736			0.200	0.0503	1
				ug/m3	1.74			0.590	0.148	1	2.17			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	1.20			0.500	0.0870	1	1.51			0.500	0.0870	1
				ug/m3	4.52			1.88	0.328	1	5.69			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1692595-03						L1692595-04					
				Sample Name	MTWA1231MC002						MTWA1231MC003					
				Sample Date	1/1/2024 4:17:00 PM						1/1/2024 7:30:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.220			0.200	0.0819	1	0.219			0.200	0.0819	1
				ug/m3	1.24			1.12	0.460	1	1.23			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1692595-05						L1692595-06					
				Sample Name	MTWA1231MC004						MTWA1231MC004B					
				Sample Date	12/31/2023 8:46:00 PM						1/1/2024 7:51:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0820	J	RL	0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.628	J	RL	1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				L1692595-05							L1692595-06					
				Sample Name							MTWA1231MC004					
				Sample Date							12/31/2023 8:46:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.887	J	RL	1.25	0.0814	1	0.338	J	RL	1.25	0.0814	1
				ug/m3	2.62	J	RL	3.69	0.240	1	0.997	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	2.31			1.25	0.264	1	0.686	J	RL	1.25	0.264	1
				ug/m3	5.68			3.07	0.649	1	1.69	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	13.3			1.25	0.584	1	4.54			1.25	0.584	1
				ug/m3	31.6			2.97	1.39	1	10.8			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1692595-06					
				Sample Name							MTWA1231MC004B					
				Sample Date							1/1/2024 7:51:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.522			0.200	0.0715	1	0.376			0.200	0.0715	1
				ug/m3	1.67			0.639	0.228	1	1.20			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	1.77			0.200	0.0522	1	0.772			0.200	0.0522	1
				ug/m3	4.20			0.474	0.124	1	1.83			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.258			0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.803			0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0857	J	RL	0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.540	J	RL	1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.638			0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	1.68			0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.895			0.200	0.103	1	0.834			0.200	0.103	1
				ug/m3	1.85			0.413	0.213	1	1.72			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1692595-06					
				Sample Name							MTWA1231MC004B					
				Sample Date							1/1/2024 7:51:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.288			0.200	0.137	1	0.373			0.200	0.137	1
				ug/m3	1.42			0.989	0.678	1	1.84			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	29.8			2.50	0.265	1	6.01			2.50	0.265	1
				ug/m3	56.2			4.71	0.500	1	11.3			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0992	J	RL	0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.430	J	RL	0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.175	J	RL	0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.716	J	RL	0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.323	J	RL	0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	1.40	J	RL	1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.0979	U		0.200	0.0979	1	0.279			0.200	0.0979	1
				ug/m3	0.340	U		0.694	0.340	1	0.969			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				L1692595-05							L1692595-06						
				Sample Name	MTWA1231MC004							MTWA1231MC004B					
				Sample Date	12/31/2023 8:46:00 PM							1/1/2024 7:51:00 PM					
				Sample Type	TRG							TRG					
				% Moisture													
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1	
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1	
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1	
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1	
	n-Hexane	110-54-3	T	ppbv	0.399	J	RL	0.630	0.206	1	0.206	U		0.630	0.206	1	
				ug/m3	1.41	J	RL	2.22	0.726	1	0.726	U		2.22	0.726	1	
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1	
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1	
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.129	J	RL	0.200	0.0828	1	
				ug/m3	0.359	U		0.867	0.359	1	0.559	J	RL	0.867	0.359	1	
	Pentane	109-66-0	T	ppbv	0.354			0.200	0.0503	1	0.325			0.200	0.0503	1	
				ug/m3	1.04			0.590	0.148	1	0.959			0.590	0.148	1	
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1	
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1	
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1	
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1	
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1	
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1	
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1	
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1	
	Toluene	108-88-3	T	ppbv	1.73			0.500	0.0870	1	1.21			0.500	0.0870	1	
				ug/m3	6.52			1.88	0.328	1	4.56			1.88	0.328	1	
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1	
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1	
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1	
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1	
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1	
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1	

				Lab Sample ID	L1692595-05						L1692595-06					
				Sample Name	MTWA1231MC004						MTWA1231MC004B					
				Sample Date	12/31/2023 8:46:00 PM						1/1/2024 7:51:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.220			0.200	0.0819	1	0.222			0.200	0.0819	1
				ug/m3	1.24			1.12	0.460	1	1.25			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1692595-07						L1692595-08					
				Sample Name	MTWA1230MC003CL						MTWA1230MC004					
				Sample Date	12/31/2023 8:04:00 PM						12/31/2023 2:44:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				L1692595-07							L1692595-08											
				Sample Name							MTWA1230MC003CL						MTWA1230MC004					
				Sample Date							12/31/2023 8:04:00 PM						12/31/2023 2:44:00 PM					
				Sample Type							FD						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1						
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1						
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1						
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1						
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1						
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1						
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1						
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1						
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1						
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1						
	2-Butanone (MEK)	78-93-3	T	ppbv	0.610	J	RL	1.25	0.0814	1	0.124	J	RL	1.25	0.0814	1						
				ug/m3	1.80	J	RL	3.69	0.240	1	0.366	J	RL	3.69	0.240	1						
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1						
	2-Propanol	67-63-0	T	ppbv	0.264	U		1.25	0.264	1	1.99			1.25	0.264	1						
				ug/m3	0.649	U		3.07	0.649	1	4.89			3.07	0.649	1						
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1						
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1						
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1						
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1						
	Acetone	67-64-1	T	ppbv	14.8	J	FD	1.25	0.584	1	3.26			1.25	0.584	1						
				ug/m3	35.2	J	FD	2.97	1.39	1	7.75			2.97	1.39	1						
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1						
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1						
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1						
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1						
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1						
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1						

				Lab Sample ID							L1692595-07						L1692595-08					
				Sample Name							MTWA1230MC003CL						MTWA1230MC004					
				Sample Date							12/31/2023 8:04:00 PM						12/31/2023 2:44:00 PM					
				Sample Type							FD						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.340			0.200	0.0715	1	0.138	J	RL	0.200	0.0715	1						
				ug/m3	1.09			0.639	0.228	1	0.441	J	RL	0.639	0.228	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	0.490			0.200	0.0522	1	0.518			0.200	0.0522	1						
				ug/m3	1.16			0.474	0.124	1	1.23			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.126	J	RL	0.200	0.102	1	0.113	J	RL	0.200	0.102	1						
				ug/m3	0.392	J	RL	0.622	0.317	1	0.352	J	RL	0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1						
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.195	J	RL	0.200	0.0996	1	0.0996	U		0.200	0.0996	1						
				ug/m3	0.514	J	RL	0.528	0.263	1	0.263	U		0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	0.584			0.200	0.103	1	0.494			0.200	0.103	1						
				ug/m3	1.21			0.413	0.213	1	1.02			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				Lab Sample ID							L1692595-08					
				Sample Name							MTWA1230MC004					
				Sample Date							12/31/2023 2:44:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753			0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259			0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.391			0.200	0.137	1	0.393			0.200	0.137	1
				ug/m3	1.93			0.989	0.678	1	1.94			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	11.6	J	FD	2.50	0.265	1	10.1			2.50	0.265	1
				ug/m3	21.9	J	FD	4.71	0.500	1	19.0			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104			0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425			0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135			0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585			1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.275			0.200	0.0979	1	0.276			0.200	0.0979	1
				ug/m3	0.955			0.694	0.340	1	0.958			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				L1692595-07							L1692595-08					
				Sample Name							MTWA1230MC004					
				Sample Date							12/31/2023 8:04:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828			0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359			0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.240			0.200	0.0503	1	0.515			0.200	0.0503	1
				ug/m3	0.708			0.590	0.148	1	1.52			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.958			0.500	0.0870	1	0.629			0.500	0.0870	1
				ug/m3	3.61			1.88	0.328	1	2.37			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1692595-07						L1692595-08					
				Sample Name	MTWA1230MC003CL						MTWA1230MC004					
				Sample Date	12/31/2023 8:04:00 PM						12/31/2023 2:44:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.214			0.200	0.0819	1	0.209			0.200	0.0819	1
				ug/m3	1.20			1.12	0.460	1	1.17			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1695269
Report Date: February 23, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the eight air samples collected on January 8 and 9, 2024, at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were collectively analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratories for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1695269.

The samples that have undergone Level 2 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA0107MC001	L1695269-01	L1695269	Air	1/8/24	VOC
MTWA0107MC002	L1695269-02	L1695269	Air	1/8/24	VOC
MTWA0107MC002CL (Field Duplicate of MTWA0107MC002)	L1695269-03	L1695269	Air	1/8/24	VOC
MTWA0107MC003	L1695269-04	L1695269	Air	1/8/24	VOC
MTWA0107MC004	L1695269-05	L1695269	Air	1/8/24	VOC
MTWA0108MC001	L1695269-06	L1695269	Air	1/9/24	VOC
MTWA0108MC002	L1695269-07	L1695269	Air	1/9/24	VOC
MTWA0108MC003	L1695269-08	L1695269	Air	1/9/24	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.



Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Field Duplicate Results
Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)	

Comments

1. Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on January 12, 2024. A final revised laboratory analytical report and EDD was provided on February 21, 2024.
2. Samples MTWA0108MC002 and MTWA0108MC003 were initially logged as MTWA0109MC002 and MTWA0109MC003 by the laboratory to match the COC Record; however, the canister labels listed the sample identifications (IDs) as MTWA0108MC002 and MTWA0108MC003. Upon Environmental Standards' inquiry, CTEH confirmed that the IDs on the canister labels were correct and provided a revised COC Record to update the sample IDs. Pace National provided a revised analytical report and EDD to include the revised COC Record.
3. Samples MTWA0108MC002 and MTWA0108MC003 were initially logged with a collection date of 1/8/2024. Upon Environmental Standards' inquiry, Pace National provided a revised analytical report and EDD to update the collection date to 1/9/2024 to match the COC Record.
4. The initial analytical report and EDD did not report the results to the MDL. Upon Environmental Standards' inquiry, a revised analytical report and EDD were provided to report the MDL.
5. One field duplicate pair (sample MTWA0107MC002 and its field duplicate, sample MTWA0107MC002CL) was collected and analyzed for VOCs with this data set. Acceptable precision was observed between the field duplicate sample results with the exceptions noted in the table below.

Based on the items included in this QA review, the following qualifiers are offered.

Analyte(s)	Samples	Validation Qualifier	Reason for Qualification
benzene	MTWA0107MC001, MTWA0107MC002, and MTWA0107MC002CL	U	BL

Analyte(s)	Samples	Validation Qualifier	Reason for Qualification
acetone, ethanol, and pentane	MTWA0107MC002 and MTWA0107MC002CL	J	FD

- All positive results reported between the MDL and RL should be considered estimated and have been flagged "J" (unless previously flagged "U") on the data tables. (Reason Code RL)

Review performed by:	Kassidy R. Hooper, Quality Assurance Chemist
Review reviewed by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date review completed:	2/23/24



ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID	L1695269-01						L1695269-02					
				Sample Name	MTWA0107MC001						MTWA0107MC002					
				Sample Date	1/8/2024 7:47:00 PM						1/8/2024 6:56:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				L1695269-01							L1695269-02											
				Sample Name							MTWA0107MC001						MTWA0107MC002					
				Sample Date							1/8/2024 7:47:00 PM						1/8/2024 6:56:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1						
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1						
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1						
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1						
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1						
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1						
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1						
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1						
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1						
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1						
	2-Butanone (MEK)	78-93-3	T	ppbv	0.225	J	RL	1.25	0.0814	1	0.277	J	RL	1.25	0.0814	1						
				ug/m3	0.663	J	RL	3.69	0.240	1	0.817	J	RL	3.69	0.240	1						
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1						
	2-Propanol	67-63-0	T	ppbv	0.576	J	RL	1.25	0.264	1	0.631	J	RL	1.25	0.264	1						
				ug/m3	1.42	J	RL	3.07	0.649	1	1.55	J	RL	3.07	0.649	1						
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1						
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1						
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1						
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1						
	Acetone	67-64-1	T	ppbv	3.15			1.25	0.584	1	11.0	J	FD	1.25	0.584	1						
				ug/m3	7.49			2.97	1.39	1	26.1	J	FD	2.97	1.39	1						
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1						
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1						
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1						
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1						
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1						
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1						

				Lab Sample ID							L1695269-01						L1695269-02					
				Sample Name							MTWA0107MC001						MTWA0107MC002					
				Sample Date							1/8/2024 7:47:00 PM						1/8/2024 6:56:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Benzene	71-43-2	T	ppbv	0.116	U	BL	0.200	0.116	1	0.140	U	BL	0.200	0.140	1						
				ug/m3	0.371	U	BL	0.639	0.371	1	0.447	U	BL	0.639	0.447	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	0.338			0.200	0.0522	1	0.380			0.200	0.0522	1						
				ug/m3	0.802			0.474	0.124	1	0.901			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1						
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0768	J	RL	0.200	0.0732	1						
				ug/m3	0.461	U		1.26	0.461	1	0.484	J	RL	1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1						
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	0.553			0.200	0.103	1	0.532			0.200	0.103	1						
				ug/m3	1.14			0.413	0.213	1	1.10			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				Lab Sample ID							L1695269-01							L1695269-02						
				Sample Name							MTWA0107MC001							MTWA0107MC002						
				Sample Date							1/8/2024 7:47:00 PM							1/8/2024 6:56:00 PM						
				Sample Type							TRG							TRG						
				% Moisture																				
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF		Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1		0.0689	U		0.200	0.0689	1	
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1		0.313	U		0.908	0.313	1	
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1		0.0753	U		0.200	0.0753	1	
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1		0.259	U		0.689	0.259	1	
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1		0.0727	U		0.200	0.0727	1	
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1		0.618	U		1.70	0.618	1	
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.507			0.200	0.137	1	0.502			0.200	0.137	1		0.502			0.200	0.137	1	
				ug/m3	2.51			0.989	0.678	1	2.48			0.989	0.678	1		2.48			0.989	0.678	1	
	Ethanol	64-17-5	T	ppbv	3.05			2.50	0.265	1	2.56	J	FD	2.50	0.265	1		2.56	J	FD	2.50	0.265	1	
				ug/m3	5.75			4.71	0.500	1	4.83	J	FD	4.71	0.500	1		4.83	J	FD	4.71	0.500	1	
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1		0.0835	U		0.200	0.0835	1	
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1		0.362	U		0.867	0.362	1	
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1		0.104	U		0.200	0.104	1	
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1		0.425	U		0.818	0.425	1	
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1		0.105	U		0.630	0.105	1	
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1		1.12	U		6.73	1.12	1	
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1		0.0777	U		0.200	0.0777	1	
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1		0.382	U		0.983	0.382	1	
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1		0.135	U		0.400	0.135	1	
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1		0.585	U		1.73	0.585	1	
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1		0.133	U		1.25	0.133	1	
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1		0.544	U		5.11	0.544	1	
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1		0.0876	U		0.200	0.0876	1	
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1		0.359	U		0.819	0.359	1	
	Methylene Chloride	75-09-2	T	ppbv	0.179	J	RL	0.200	0.0979	1	0.142	J	RL	0.200	0.0979	1		0.142	J	RL	0.200	0.0979	1	
				ug/m3	0.622	J	RL	0.694	0.340	1	0.493	J	RL	0.694	0.340	1		0.493	J	RL	0.694	0.340	1	
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1		0.0647	U		0.200	0.0647	1	
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1		0.233	U		0.721	0.233	1	

				L1695269-01							L1695269-02											
				Sample Name							MTWA0107MC001						MTWA0107MC002					
				Sample Date							1/8/2024 7:47:00 PM						1/8/2024 6:56:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1						
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1						
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1						
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1						
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1						
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1						
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1						
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1						
	Pentane	109-66-0	T	ppbv	0.163	J	RL	0.200	0.0503	1	0.686	J	FD	0.200	0.0503	1						
				ug/m3	0.481	J	RL	0.590	0.148	1	2.02	J	FD	0.590	0.148	1						
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1						
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1						
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1						
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1						
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1						
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1						
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1						
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1						
	Toluene	108-88-3	T	ppbv	0.223	J	RL	0.500	0.0870	1	0.116	J	RL	0.500	0.0870	1						
				ug/m3	0.840	J	RL	1.88	0.328	1	0.437	J	RL	1.88	0.328	1						
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1						
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1						
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1						
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1						
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1						
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1						

				Lab Sample ID	L1695269-01						L1695269-02					
				Sample Name	MTWA0107MC001						MTWA0107MC002					
				Sample Date	1/8/2024 7:47:00 PM						1/8/2024 6:56:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.243			0.200	0.0819	1	0.237			0.200	0.0819	1
				ug/m3	1.37			1.12	0.460	1	1.33			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1695269-03						L1695269-04					
				Sample Name	MTWA0107MC002CL						MTWA0107MC003					
				Sample Date	1/8/2024 6:56:00 PM						1/8/2024 7:21:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0835	J	RL	0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.640	J	RL	1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				L1695269-03							L1695269-04					
				Sample Name							MTWA0107MC003					
				Sample Date							1/8/2024 7:21:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.160	J	RL	1.25	0.0814	1	0.385	J	RL	1.25	0.0814	1
				ug/m3	0.472	J	RL	3.69	0.240	1	1.14	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.800	J	RL	1.25	0.264	1	0.864	J	RL	1.25	0.264	1
				ug/m3	1.97	J	RL	3.07	0.649	1	2.12	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	2.60	J	FD	1.25	0.584	1	4.72			1.25	0.584	1
				ug/m3	6.18	J	FD	2.97	1.39	1	11.2			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	3.52	J	RL	5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	7.63	J	RL	10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1695269-04					
				Sample Name							MTWA0107MC003					
				Sample Date							1/8/2024 7:21:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.176	U	BL	0.200	0.176	1	0.205			0.200	0.0715	1
				ug/m3	0.562	U	BL	0.639	0.562	1	0.655			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.544			0.200	0.0522	1	0.364			0.200	0.0522	1
				ug/m3	1.29			0.474	0.124	1	0.863			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0848	J	RL	0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.534	J	RL	1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.515			0.200	0.103	1	0.514			0.200	0.103	1
				ug/m3	1.06			0.413	0.213	1	1.06			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1695269-04					
				Sample Name							MTWA0107MC003					
				Sample Date							1/8/2024 7:21:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.505			0.200	0.137	1	0.429			0.200	0.137	1
				ug/m3	2.50			0.989	0.678	1	2.12			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	5.70	J	FD	2.50	0.265	1	9.14			2.50	0.265	1
				ug/m3	10.7	J	FD	4.71	0.500	1	17.2			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.101	J	RL	0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.438	J	RL	0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.270	J	RL	0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	1.17	J	RL	1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.149	J	RL	0.200	0.0979	1	0.162	J	RL	0.200	0.0979	1
				ug/m3	0.517	J	RL	0.694	0.340	1	0.563	J	RL	0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1695269-04					
				Sample Name							MTWA0107MC003					
				Sample Date							1/8/2024 7:21:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.240			0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	1.40			1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.213	J	FD	0.200	0.0503	1	0.497			0.200	0.0503	1
				ug/m3	0.629	J	FD	0.590	0.148	1	1.47			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.565			0.500	0.0870	1	0.889			0.500	0.0870	1
				ug/m3	2.13			1.88	0.328	1	3.35			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1695269-03						L1695269-04					
				Sample Name	MTWA0107MC002CL						MTWA0107MC003					
				Sample Date	1/8/2024 6:56:00 PM						1/8/2024 7:21:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.226			0.200	0.0819	1	0.197	J	RL	0.200	0.0819	1
				ug/m3	1.27			1.12	0.460	1	1.11	J	RL	1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1695269-05						L1695269-06					
				Sample Name	MTWA0107MC004						MTWA0108MC001					
				Sample Date	1/8/2024 7:30:00 PM						1/9/2024 9:42:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				L1695269-05							L1695269-06					
				Sample Name							MTWA0108MC001					
				Sample Date							1/9/2024 9:42:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.454	J	RL	1.25	0.0814	1	0.124	J	RL	1.25	0.0814	1
				ug/m3	1.34	J	RL	3.69	0.240	1	0.366	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.786	J	RL	1.25	0.264	1	0.542	J	RL	1.25	0.264	1
				ug/m3	1.93	J	RL	3.07	0.649	1	1.33	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.30			1.25	0.584	1	1.90			1.25	0.584	1
				ug/m3	7.84			2.97	1.39	1	4.51			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1695269-05						L1695269-06					
				Sample Name							MTWA0107MC004						MTWA0108MC001					
				Sample Date							1/8/2024 7:30:00 PM						1/9/2024 9:42:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.116	J	RL	0.200	0.0715	1	0.108	J	RL	0.200	0.0715	1	0.108	J	RL	0.200	0.0715	1
				ug/m3	0.371	J	RL	0.639	0.228	1	0.345	J	RL	0.639	0.228	1	0.345	J	RL	0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.352			0.200	0.0522	1	0.394			0.200	0.0522	1	0.394			0.200	0.0522	1
				ug/m3	0.835			0.474	0.124	1	0.935			0.474	0.124	1	0.935			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.491			0.200	0.103	1	0.516			0.200	0.103	1	0.516			0.200	0.103	1
				ug/m3	1.01			0.413	0.213	1	1.07			0.413	0.213	1	1.07			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1695269-05						L1695269-06					
				Sample Name							MTWA0107MC004						MTWA0108MC001					
				Sample Date							1/8/2024 7:30:00 PM						1/9/2024 9:42:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.429			0.200	0.137	1	0.440			0.200	0.137	1	0.440			0.200	0.137	1
				ug/m3	2.12			0.989	0.678	1	2.18			0.989	0.678	1	2.18			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	5.39			2.50	0.265	1	3.90			2.50	0.265	1	3.90			2.50	0.265	1
				ug/m3	10.2			4.71	0.500	1	7.35			4.71	0.500	1	7.35			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.159	J	RL	0.200	0.0979	1	0.191	J	RL	0.200	0.0979	1	0.191	J	RL	0.200	0.0979	1
				ug/m3	0.552	J	RL	0.694	0.340	1	0.663	J	RL	0.694	0.340	1	0.663	J	RL	0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1695269-05						L1695269-06					
				Sample Name							MTWA0107MC004						MTWA0108MC001					
				Sample Date							1/8/2024 7:30:00 PM						1/9/2024 9:42:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.560	J	RL	0.630	0.350	1						
				ug/m3	1.83	U		3.30	1.83	1	2.93	J	RL	3.30	1.83	1						
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1						
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1						
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1						
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1						
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1						
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1						
	Pentane	109-66-0	T	ppbv	0.148	J	RL	0.200	0.0503	1	0.165	J	RL	0.200	0.0503	1						
				ug/m3	0.437	J	RL	0.590	0.148	1	0.487	J	RL	0.590	0.148	1						
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1						
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1						
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1						
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1						
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1						
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1						
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1						
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1						
	Toluene	108-88-3	T	ppbv	0.149	J	RL	0.500	0.0870	1	0.0870	U		0.500	0.0870	1						
				ug/m3	0.561	J	RL	1.88	0.328	1	0.328	U		1.88	0.328	1						
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1						
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1						
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1						
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1						
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1						
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1						

				Lab Sample ID	L1695269-05						L1695269-06					
				Sample Name	MTWA0107MC004						MTWA0108MC001					
				Sample Date	1/8/2024 7:30:00 PM						1/9/2024 9:42:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.198	J	RL	0.200	0.0819	1	0.202			0.200	0.0819	1
				ug/m3	1.11	J	RL	1.12	0.460	1	1.14			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1695269-07						L1695269-08					
				Sample Name	MTWA0109MC002						MTWA0109MC003					
				Sample Date	1/9/2024 10:04:00 PM						1/9/2024 10:28:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				L1695269-07							L1695269-08					
				Sample Name							MTWA0109MC002					
				Sample Date							1/9/2024 10:04:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.160	J	RL	1.25	0.0814	1	0.167	J	RL	1.25	0.0814	1
				ug/m3	0.472	J	RL	3.69	0.240	1	0.492	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.455	J	RL	1.25	0.264	1	0.371	J	RL	1.25	0.264	1
				ug/m3	1.12	J	RL	3.07	0.649	1	0.912	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	2.77			1.25	0.584	1	2.34			1.25	0.584	1
				ug/m3	6.58			2.97	1.39	1	5.56			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID	L1695269-07						L1695269-08					
				Sample Name	MTWA0109MC002						MTWA0109MC003					
				Sample Date	1/9/2024 10:04:00 PM						1/9/2024 10:28:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.224			0.200	0.0715	1	0.184	J	RL	0.200	0.0715	1
				ug/m3	0.716			0.639	0.228	1	0.588	J	RL	0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.424			0.200	0.0522	1	0.438			0.200	0.0522	1
				ug/m3	1.01			0.474	0.124	1	1.04			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	1.01			0.200	0.103	1	0.552			0.200	0.103	1
				ug/m3	2.09			0.413	0.213	1	1.14			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1695269-08					
				Sample Name							MTWA0109MC003					
				Sample Date							1/9/2024 10:28:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0962	J	RL	0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.331	J	RL	0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.446			0.200	0.137	1	0.429			0.200	0.137	1
				ug/m3	2.21			0.989	0.678	1	2.12			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	10.7			2.50	0.265	1	6.25			2.50	0.265	1
				ug/m3	20.2			4.71	0.500	1	11.8			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.177	J	RL	0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.767	J	RL	1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.0979	U		0.200	0.0979	1	0.147	J	RL	0.200	0.0979	1
				ug/m3	0.340	U		0.694	0.340	1	0.510	J	RL	0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				L1695269-07							L1695269-08						
				Sample Name	MTWA0109MC002							MTWA0109MC003					
				Sample Date	1/9/2024 10:04:00 PM							1/9/2024 10:28:00 PM					
				Sample Type	TRG							TRG					
				% Moisture													
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1	
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1	
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1	
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1	
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1	
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1	
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1	
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1	
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1	
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1	
	Pentane	109-66-0	T	ppbv	0.153	J	RL	0.200	0.0503	1	0.224			0.200	0.0503	1	
				ug/m3	0.451	J	RL	0.590	0.148	1	0.661			0.590	0.148	1	
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1	
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1	
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1	
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1	
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1	
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1	
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1	
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1	
	Toluene	108-88-3	T	ppbv	0.347	J	RL	0.500	0.0870	1	0.861			0.500	0.0870	1	
				ug/m3	1.31	J	RL	1.88	0.328	1	3.24			1.88	0.328	1	
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1	
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1	
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1	
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1	
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1	
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1	

				Lab Sample ID	L1695269-07						L1695269-08					
				Sample Name	MTWA0109MC002						MTWA0109MC003					
				Sample Date	1/9/2024 10:04:00 PM						1/9/2024 10:28:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.199	J	RL	0.200	0.0819	1	0.202			0.200	0.0819	1
				ug/m3	1.12	J	RL	1.12	0.460	1	1.14			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1695269
Report Date: March 1, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the eight air samples collected on January 8, and 9, 2024, at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were collectively analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratories for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1695269.

The samples that have undergone Stage 4 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA0107MC001	L1695269-01	L1695269	Air	1/8/24	VOC
MTWA0107MC002	L1695269-02	L1695269	Air	1/8/24	VOC
MTWA0107MC002CL (Field Duplicate of MTWA0107MC002)	L1695269-03	L1695269	Air	1/8/24	VOC
MTWA0107MC003	L1695269-04	L1695269	Air	1/8/24	VOC
MTWA0107MC004	L1695269-05	L1695269	Air	1/8/24	VOC
MTWA0108MC001	L1695269-06	L1695269	Air	1/9/24	VOC
MTWA0108MC002	L1695269-07	L1695269	Air	1/9/24	VOC
MTWA0108MC003	L1695269-08	L1695269	Air	1/9/24	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.



Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Qualitative Review of Sample Results
Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)	Analytical Sequence
Sample Preparation	Internal Standard Recoveries
Quantitation of Positive Results	Initial and Continuing Calibrations
Mass Tuning	Field Duplicate Results

Comments

1. Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on January 12, 2024. A final revised laboratory analytical report and EDD was provided on February 21, 2024.
2. Samples MTWA0108MC002 and MTWA0108MC003 were initially logged as MTWA0109MC002 and MTWA0109MC003 by the laboratory to match the COC Record; however, the canister labels listed the sample identifications (IDs) as MTWA0108MC002 and MTWA0108MC003. Upon Environmental Standards' inquiry, CTEH confirmed that the IDs on the canister labels were correct and provided a revised COC Record to update the sample IDs. Pace National provided a revised analytical report and EDD to include the revised COC Record.
3. Samples MTWA0108MC002 and MTWA0108MC003 were initially logged with a collection date of 1/8/2024. Upon Environmental Standards' inquiry, Pace National provided a revised analytical report and EDD to update the collection date to 1/9/2024 to match the COC Record.
4. The initial analytical report and EDD did not report the results to the MDL. Upon Environmental Standards' inquiry, a revised analytical report and EDD were provided to report the MDL.
5. One field duplicate pair (sample MTWA0107MC002 and its field duplicate, sample MTWA0107MC002CL) was collected and analyzed for VOCs with this data set. Acceptable precision was observed between the field duplicate sample results with the exceptions noted in the table below.

Based on the items included in this QA review, the following qualifiers are offered.

Analyte(s)	Samples	Validation Qualifier	Reason for Qualification
benzene	MTWA0107MC001, MTWA0107MC002, and MTWA0107MC002CL	U	BL
acetone, ethanol, and pentane	MTWA0107MC002 and MTWA0107MC002CL	J	FD

- All positive results reported between the MDL and RL should be considered estimated and have been flagged "J" (unless previously flagged "U") on the data tables. (Reason Code RL)

Review performed by:	Kassidy R. Hooper, Quality Assurance Chemist
Review reviewed by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date review completed:	3/1/24



ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID	L1695269-01						L1695269-02					
				Sample Name	MTWA0107MC001						MTWA0107MC002					
				Sample Date	1/8/2024 7:47:00 PM						1/8/2024 6:56:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				L1695269-01							L1695269-02											
				Sample Name							MTWA0107MC001						MTWA0107MC002					
				Sample Date							1/8/2024 7:47:00 PM						1/8/2024 6:56:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1						
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1						
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1						
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1						
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1						
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1						
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1						
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1						
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1						
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1						
	2-Butanone (MEK)	78-93-3	T	ppbv	0.225	J	RL	1.25	0.0814	1	0.277	J	RL	1.25	0.0814	1						
				ug/m3	0.663	J	RL	3.69	0.240	1	0.817	J	RL	3.69	0.240	1						
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1						
	2-Propanol	67-63-0	T	ppbv	0.576	J	RL	1.25	0.264	1	0.631	J	RL	1.25	0.264	1						
				ug/m3	1.42	J	RL	3.07	0.649	1	1.55	J	RL	3.07	0.649	1						
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1						
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1						
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1						
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1						
	Acetone	67-64-1	T	ppbv	3.15			1.25	0.584	1	11.0	J	FD	1.25	0.584	1						
				ug/m3	7.49			2.97	1.39	1	26.1	J	FD	2.97	1.39	1						
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1						
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1						
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1						
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1						
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1						
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1						

				Lab Sample ID							L1695269-01						L1695269-02					
				Sample Name							MTWA0107MC001						MTWA0107MC002					
				Sample Date							1/8/2024 7:47:00 PM						1/8/2024 6:56:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Benzene	71-43-2	T	ppbv	0.116	U	BL	0.200	0.116	1	0.140	U	BL	0.200	0.140	1						
				ug/m3	0.371	U	BL	0.639	0.371	1	0.447	U	BL	0.639	0.447	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	0.338			0.200	0.0522	1	0.380			0.200	0.0522	1						
				ug/m3	0.802			0.474	0.124	1	0.901			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1						
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0768	J	RL	0.200	0.0732	1						
				ug/m3	0.461	U		1.26	0.461	1	0.484	J	RL	1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1						
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	0.553			0.200	0.103	1	0.532			0.200	0.103	1						
				ug/m3	1.14			0.413	0.213	1	1.10			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				Lab Sample ID							L1695269-01							L1695269-02						
				Sample Name							MTWA0107MC001							MTWA0107MC002						
				Sample Date							1/8/2024 7:47:00 PM							1/8/2024 6:56:00 PM						
				Sample Type							TRG							TRG						
				% Moisture																				
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF								
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1								
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1								
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1								
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1								
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1								
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1								
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.507			0.200	0.137	1	0.502			0.200	0.137	1								
				ug/m3	2.51			0.989	0.678	1	2.48			0.989	0.678	1								
	Ethanol	64-17-5	T	ppbv	3.05			2.50	0.265	1	2.56	J	FD	2.50	0.265	1								
				ug/m3	5.75			4.71	0.500	1	4.83	J	FD	4.71	0.500	1								
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1								
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1								
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1								
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1								
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1								
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1								
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1								
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1								
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1								
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1								
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1								
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1								
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1								
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1								
	Methylene Chloride	75-09-2	T	ppbv	0.179	J	RL	0.200	0.0979	1	0.142	J	RL	0.200	0.0979	1								
				ug/m3	0.622	J	RL	0.694	0.340	1	0.493	J	RL	0.694	0.340	1								
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1								
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1								

				Lab Sample ID							L1695269-02					
				Sample Name							MTWA0107MC002					
				Sample Date							1/8/2024 6:56:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.163	J	RL	0.200	0.0503	1	0.686	J	FD	0.200	0.0503	1
				ug/m3	0.481	J	RL	0.590	0.148	1	2.02	J	FD	0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.223	J	RL	0.500	0.0870	1	0.116	J	RL	0.500	0.0870	1
				ug/m3	0.840	J	RL	1.88	0.328	1	0.437	J	RL	1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1695269-01						L1695269-02					
				Sample Name	MTWA0107MC001						MTWA0107MC002					
				Sample Date	1/8/2024 7:47:00 PM						1/8/2024 6:56:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.243			0.200	0.0819	1	0.237			0.200	0.0819	1
				ug/m3	1.37			1.12	0.460	1	1.33			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1695269-03						L1695269-04					
				Sample Name	MTWA0107MC002CL						MTWA0107MC003					
				Sample Date	1/8/2024 6:56:00 PM						1/8/2024 7:21:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0835	J	RL	0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.640	J	RL	1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				L1695269-03							L1695269-04					
				Sample Name							MTWA0107MC003					
				Sample Date							1/8/2024 7:21:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.160	J	RL	1.25	0.0814	1	0.385	J	RL	1.25	0.0814	1
				ug/m3	0.472	J	RL	3.69	0.240	1	1.14	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.800	J	RL	1.25	0.264	1	0.864	J	RL	1.25	0.264	1
				ug/m3	1.97	J	RL	3.07	0.649	1	2.12	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	2.60	J	FD	1.25	0.584	1	4.72			1.25	0.584	1
				ug/m3	6.18	J	FD	2.97	1.39	1	11.2			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	3.52	J	RL	5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	7.63	J	RL	10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1695269-04					
				Sample Name							MTWA0107MC003					
				Sample Date							1/8/2024 7:21:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.176	U	BL	0.200	0.176	1	0.205			0.200	0.0715	1
				ug/m3	0.562	U	BL	0.639	0.562	1	0.655			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.544			0.200	0.0522	1	0.364			0.200	0.0522	1
				ug/m3	1.29			0.474	0.124	1	0.863			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0848	J	RL	0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.534	J	RL	1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.515			0.200	0.103	1	0.514			0.200	0.103	1
				ug/m3	1.06			0.413	0.213	1	1.06			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID	L1695269-03						L1695269-04					
				Sample Name	MTWA0107MC002CL						MTWA0107MC003					
				Sample Date	1/8/2024 6:56:00 PM						1/8/2024 7:21:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.505			0.200	0.137	1	0.429			0.200	0.137	1
				ug/m3	2.50			0.989	0.678	1	2.12			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	5.70	J	FD	2.50	0.265	1	9.14			2.50	0.265	1
				ug/m3	10.7	J	FD	4.71	0.500	1	17.2			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.101	J	RL	0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.438	J	RL	0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.270	J	RL	0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	1.17	J	RL	1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.149	J	RL	0.200	0.0979	1	0.162	J	RL	0.200	0.0979	1
				ug/m3	0.517	J	RL	0.694	0.340	1	0.563	J	RL	0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1695269-04					
				Sample Name							MTWA0107MC003					
				Sample Date							1/8/2024 7:21:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.240			0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	1.40			1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.213	J	FD	0.200	0.0503	1	0.497			0.200	0.0503	1
				ug/m3	0.629	J	FD	0.590	0.148	1	1.47			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.565			0.500	0.0870	1	0.889			0.500	0.0870	1
				ug/m3	2.13			1.88	0.328	1	3.35			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1695269-03						L1695269-04					
				Sample Name	MTWA0107MC002CL						MTWA0107MC003					
				Sample Date	1/8/2024 6:56:00 PM						1/8/2024 7:21:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.226			0.200	0.0819	1	0.197	J	RL	0.200	0.0819	1
				ug/m3	1.27			1.12	0.460	1	1.11	J	RL	1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1695269-05						L1695269-06					
				Sample Name	MTWA0107MC004						MTWA0108MC001					
				Sample Date	1/8/2024 7:30:00 PM						1/9/2024 9:42:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				L1695269-05							L1695269-06					
				Sample Name							MTWA0108MC001					
				Sample Date							1/9/2024 9:42:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.454	J	RL	1.25	0.0814	1	0.124	J	RL	1.25	0.0814	1
				ug/m3	1.34	J	RL	3.69	0.240	1	0.366	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.786	J	RL	1.25	0.264	1	0.542	J	RL	1.25	0.264	1
				ug/m3	1.93	J	RL	3.07	0.649	1	1.33	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.30			1.25	0.584	1	1.90			1.25	0.584	1
				ug/m3	7.84			2.97	1.39	1	4.51			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1695269-05						L1695269-06					
				Sample Name							MTWA0107MC004						MTWA0108MC001					
				Sample Date							1/8/2024 7:30:00 PM						1/9/2024 9:42:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.116	J	RL	0.200	0.0715	1	0.108	J	RL	0.200	0.0715	1	0.108	J	RL	0.200	0.0715	1
				ug/m3	0.371	J	RL	0.639	0.228	1	0.345	J	RL	0.639	0.228	1	0.345	J	RL	0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.352			0.200	0.0522	1	0.394			0.200	0.0522	1	0.394			0.200	0.0522	1
				ug/m3	0.835			0.474	0.124	1	0.935			0.474	0.124	1	0.935			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.491			0.200	0.103	1	0.516			0.200	0.103	1	0.516			0.200	0.103	1
				ug/m3	1.01			0.413	0.213	1	1.07			0.413	0.213	1	1.07			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1695269-05						L1695269-06					
				Sample Name							MTWA0107MC004						MTWA0108MC001					
				Sample Date							1/8/2024 7:30:00 PM						1/9/2024 9:42:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.429			0.200	0.137	1	0.440			0.200	0.137	1	0.440			0.200	0.137	1
				ug/m3	2.12			0.989	0.678	1	2.18			0.989	0.678	1	2.18			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	5.39			2.50	0.265	1	3.90			2.50	0.265	1	3.90			2.50	0.265	1
				ug/m3	10.2			4.71	0.500	1	7.35			4.71	0.500	1	7.35			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.159	J	RL	0.200	0.0979	1	0.191	J	RL	0.200	0.0979	1	0.191	J	RL	0.200	0.0979	1
				ug/m3	0.552	J	RL	0.694	0.340	1	0.663	J	RL	0.694	0.340	1	0.663	J	RL	0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1695269-05						L1695269-06					
				Sample Name							MTWA0107MC004						MTWA0108MC001					
				Sample Date							1/8/2024 7:30:00 PM						1/9/2024 9:42:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.560	J	RL	0.630	0.350	1						
				ug/m3	1.83	U		3.30	1.83	1	2.93	J	RL	3.30	1.83	1						
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1						
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1						
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1						
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1						
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1						
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1						
	Pentane	109-66-0	T	ppbv	0.148	J	RL	0.200	0.0503	1	0.165	J	RL	0.200	0.0503	1						
				ug/m3	0.437	J	RL	0.590	0.148	1	0.487	J	RL	0.590	0.148	1						
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1						
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1						
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1						
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1						
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1						
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1						
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1						
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1						
	Toluene	108-88-3	T	ppbv	0.149	J	RL	0.500	0.0870	1	0.0870	U		0.500	0.0870	1						
				ug/m3	0.561	J	RL	1.88	0.328	1	0.328	U		1.88	0.328	1						
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1						
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1						
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1						
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1						
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1						
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1						

				Lab Sample ID	L1695269-05						L1695269-06					
				Sample Name	MTWA0107MC004						MTWA0108MC001					
				Sample Date	1/8/2024 7:30:00 PM						1/9/2024 9:42:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.198	J	RL	0.200	0.0819	1	0.202			0.200	0.0819	1
				ug/m3	1.11	J	RL	1.12	0.460	1	1.14			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1695269-07						L1695269-08					
				Sample Name	MTWA0108MC002						MTWA0108MC003					
				Sample Date	1/9/2024 10:04:00 PM						1/9/2024 10:28:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1695269-08					
				Sample Name							MTWA0108MC003					
				Sample Date							1/9/2024 10:28:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.160	J	RL	1.25	0.0814	1	0.167	J	RL	1.25	0.0814	1
				ug/m3	0.472	J	RL	3.69	0.240	1	0.492	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.455	J	RL	1.25	0.264	1	0.371	J	RL	1.25	0.264	1
				ug/m3	1.12	J	RL	3.07	0.649	1	0.912	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	2.77			1.25	0.584	1	2.34			1.25	0.584	1
				ug/m3	6.58			2.97	1.39	1	5.56			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1695269-07						L1695269-08					
				Sample Name							MTWA0108MC002						MTWA0108MC003					
				Sample Date							1/9/2024 10:04:00 PM						1/9/2024 10:28:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Benzene	71-43-2	T	ppbv	0.224			0.200	0.0715	1	0.184	J	RL	0.200	0.0715	1						
				ug/m3	0.716			0.639	0.228	1	0.588	J	RL	0.639	0.228	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	0.424			0.200	0.0522	1	0.438			0.200	0.0522	1						
				ug/m3	1.01			0.474	0.124	1	1.04			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1						
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1						
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1						
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	1.01			0.200	0.103	1	0.552			0.200	0.103	1						
				ug/m3	2.09			0.413	0.213	1	1.14			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				Lab Sample ID							L1695269-08					
				Sample Name							MTWA0108MC003					
				Sample Date							1/9/2024 10:28:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0962	J	RL	0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.331	J	RL	0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.446			0.200	0.137	1	0.429			0.200	0.137	1
				ug/m3	2.21			0.989	0.678	1	2.12			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	10.7			2.50	0.265	1	6.25			2.50	0.265	1
				ug/m3	20.2			4.71	0.500	1	11.8			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.177	J	RL	0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.767	J	RL	1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.0979	U		0.200	0.0979	1	0.147	J	RL	0.200	0.0979	1
				ug/m3	0.340	U		0.694	0.340	1	0.510	J	RL	0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1695269-07							L1695269-08						
				Sample Name							MTWA0108MC002							MTWA0108MC003						
				Sample Date							1/9/2024 10:04:00 PM							1/9/2024 10:28:00 PM						
				Sample Type							TRG							TRG						
				% Moisture																				
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF								
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1								
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1								
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1								
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1								
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1								
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1								
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1								
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1								
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1								
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1								
	Pentane	109-66-0	T	ppbv	0.153	J	RL	0.200	0.0503	1	0.224			0.200	0.0503	1								
				ug/m3	0.451	J	RL	0.590	0.148	1	0.661			0.590	0.148	1								
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1								
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1								
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1								
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1								
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1								
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1								
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1								
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1								
	Toluene	108-88-3	T	ppbv	0.347	J	RL	0.500	0.0870	1	0.861			0.500	0.0870	1								
				ug/m3	1.31	J	RL	1.88	0.328	1	3.24			1.88	0.328	1								
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1								
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1								
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1								
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1								
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1								
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1								

				Lab Sample ID	L1695269-07						L1695269-08					
				Sample Name	MTWA0108MC002						MTWA0108MC003					
				Sample Date	1/9/2024 10:04:00 PM						1/9/2024 10:28:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.199	J	RL	0.200	0.0819	1	0.202			0.200	0.0819	1
				ug/m3	1.12	J	RL	1.12	0.460	1	1.14			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1695731
Report Date: April 30, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the ten air samples collected on January 10 and 11, 2024 at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were collectively analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratories for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1695731.

The samples that have undergone Level 2 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA0109MC001	L1695731-01	L1695731	Air	1/10/24	VOC
MTWA0109MC002	L1695731-02	L1695731	Air	1/10/24	VOC
MTWA0109MC003	L1695731-03	L1695731	Air	1/10/24	VOC
MTWA0109MC004	L1695731-04	L1695731	Air	1/10/24	VOC
MTWA0109MC004CL (Field Duplicate of MTWA0109MC004)	L1695731-05	L1695731	Air	1/10/24	VOC
MTWA0110MC001	L1695731-06	L1695731	Air	1/11/24	VOC
MTWA0110MC001CL (Field Duplicate of MTWA0110MC001)	L1695731-07	L1695731	Air	1/11/24	VOC
MTWA0110MC002	L1695731-08	L1695731	Air	1/11/24	VOC
MTWA0110MC003	L1695731-09	L1695731	Air	1/11/24	VOC
MTWA0110MC004	L1695731-10	L1695731	Air	1/11/24	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.

Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)
Field Duplicate Results	

Comments

1. Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on January 12, 2024. A final revision was provided on February 4, 2024.
2. The initial analytical report and EDD did not report the results to the MDL. Upon Environmental Standards' inquiry, a revised analytical report and EDD were provided to report the MDL.
3. Two field duplicate pairs (sample MTWA0109MC004 and its field duplicate sample, MTWA0109MC004CL, and sample MTWA0110MC001 and its field duplicate sample, MTWA0110MC001CL, were collected and analyzed for VOCs with this data set. Acceptable precision was observed between the co-located sample results with the exceptions noted in the table below.
4. FedEx did not sign and date the "Relinquished By" fields on the COC Record.

Based on the items included in this QA review, the following qualifiers are offered.

Analyte(s)	Samples	Validation Qualifier	Reason for Qualification
dichlorodifluoromethane	MTWA0109MC003, MTWA0109MC004, MTWA0109MC004CL, MTWA0110MC001	U	BL
acetone and ethanol	MTWA0109MC004 and MTWA0109MC004CL	J	FD
benzene, ethanol, and methylene chloride	MTWA0110MC001 and MTWA0110MC001CL	J	FD

- All positive results reported between the MDL and RL should be considered estimated and have been flagged "J" on the data tables. (Reason Code RL)

Review performed by:	Valerie Butterhof, Quality Assurance Chemist
Review reviewed by:	Abigail P. Bossbaly, Project Quality Assurance Chemist
Review approved by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date review completed:	4/30/24



ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID	L1695731-01						L1695731-02					
				Sample Name	MTWA0109MC001						MTWA0109MC002					
				Sample Date	1/10/2024 8:37:00 PM						1/10/2024 9:05:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1695731-02					
				Sample Name							MTWA0109MC002					
				Sample Date							1/10/2024 9:05:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.0814	U		1.25	0.0814	1	0.0814	U		1.25	0.0814	1
				ug/m3	0.240	U		3.69	0.240	1	0.240	U		3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.897	J	RL	1.25	0.264	1	0.765	J	RL	1.25	0.264	1
				ug/m3	2.20	J	RL	3.07	0.649	1	1.88	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	2.37			1.25	0.584	1	3.73			1.25	0.584	1
				ug/m3	5.63			2.97	1.39	1	8.86			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	1.95	J	RL	5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	4.23	J	RL	10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				L1695731-01							L1695731-02											
				Sample Name							MTWA0109MC001						MTWA0109MC002					
				Sample Date							1/10/2024 8:37:00 PM						1/10/2024 9:05:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Benzene	71-43-2	T	ppbv	0.166	J	RL	0.200	0.0715	1	0.280			0.200	0.0715	1						
				ug/m3	0.530	J	RL	0.639	0.228	1	0.894			0.639	0.228	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	0.474			0.200	0.0522	1	0.518			0.200	0.0522	1						
				ug/m3	1.12			0.474	0.124	1	1.23			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1						
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1						
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1						
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	0.569			0.200	0.103	1	0.496			0.200	0.103	1						
				ug/m3	1.18			0.413	0.213	1	1.02			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				Lab Sample ID							L1695731-02					
				Sample Name							MTWA0109MC002					
				Sample Date							1/10/2024 9:05:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.418			0.200	0.137	1	0.412			0.200	0.137	1
				ug/m3	2.07			0.989	0.678	1	2.04			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	2.22	J	RL	2.50	0.265	1	5.33			2.50	0.265	1
				ug/m3	4.19	J	RL	4.71	0.500	1	10.0			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.0979	U		0.200	0.0979	1	0.0979	U		0.200	0.0979	1
				ug/m3	0.340	U		0.694	0.340	1	0.340	U		0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1695731-02					
				Sample Name							MTWA0109MC002					
				Sample Date							1/10/2024 9:05:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.0503	U		0.200	0.0503	1	0.0503	U		0.200	0.0503	1
				ug/m3	0.148	U		0.590	0.148	1	0.148	U		0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.158	J	RL	0.500	0.0870	1	0.901			0.500	0.0870	1
				ug/m3	0.595	J	RL	1.88	0.328	1	3.39			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1695731-01						L1695731-02					
				Sample Name	MTWA0109MC001						MTWA0109MC002					
				Sample Date	1/10/2024 8:37:00 PM						1/10/2024 9:05:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.199	J	RL	0.200	0.0819	1	0.228			0.200	0.0819	1
				ug/m3	1.12	J	RL	1.12	0.460	1	1.28			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1695731-04					
				Sample Name							MTWA0109MC003					
				Sample Date							1/10/2024 9:23:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1695731-03					
				Sample Name							MTWA0109MC003					
				Sample Date							1/10/2024 9:23:00 PM					
				Sample Type							TRG					
				% Moisture												
				L1695731-04												
				MTWA0109MC004												
				1/10/2024 9:23:00 PM							1/10/2024 9:46:00 PM					
				TRG							TRG					
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.135	J	RL	1.25	0.0814	1	0.225	J	RL	1.25	0.0814	1
				ug/m3	0.398	J	RL	3.69	0.240	1	0.663	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.752	J	RL	1.25	0.264	1	0.445	J	RL	1.25	0.264	1
				ug/m3	1.85	J	RL	3.07	0.649	1	1.09	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.03			1.25	0.584	1	2.53	J	FD	1.25	0.584	1
				ug/m3	7.20			2.97	1.39	1	6.01	J	FD	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	3.71	J	RL	5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	8.04	J	RL	10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1695731-04					
				Sample Name							MTWA0109MC003					
				Sample Date							1/10/2024 9:23:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.295			0.200	0.0715	1	0.172	J	RL	0.200	0.0715	1
				ug/m3	0.942			0.639	0.228	1	0.549	J	RL	0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.800			0.200	0.0522	1	0.612			0.200	0.0522	1
				ug/m3	1.90			0.474	0.124	1	1.45			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.567			0.200	0.103	1	0.547			0.200	0.103	1
				ug/m3	1.17			0.413	0.213	1	1.13			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1695731-04					
				Sample Name							MTWA0109MC004					
				Sample Date							1/10/2024 9:46:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.505	U	BL	0.505	0.505	1	0.524	U	BL	0.524	0.524	1
				ug/m3	2.50	U	BL	2.50	2.50	1	2.59	U	BL	2.59	2.59	1
	Ethanol	64-17-5	T	ppbv	3.04			2.50	0.265	1	7.88	J	FD	2.50	0.265	1
				ug/m3	5.73			4.71	0.500	1	14.9	J	FD	4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.350			0.200	0.0979	1	0.215			0.200	0.0979	1
				ug/m3	1.22			0.694	0.340	1	0.747			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1695731-04					
				Sample Name							MTWA0109MC004					
				Sample Date							1/10/2024 9:46:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.308			0.200	0.0503	1	0.278			0.200	0.0503	1
				ug/m3	0.909			0.590	0.148	1	0.820			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.202	J	RL	0.500	0.0870	1	0.388	J	RL	0.500	0.0870	1
				ug/m3	0.761	J	RL	1.88	0.328	1	1.46	J	RL	1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1695731-03						L1695731-04					
				Sample Name	MTWA0109MC003						MTWA0109MC004					
				Sample Date	1/10/2024 9:23:00 PM						1/10/2024 9:46:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.225			0.200	0.0819	1	0.227			0.200	0.0819	1
				ug/m3	1.26			1.12	0.460	1	1.28			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1695731-05						L1695731-06					
				Sample Name	MTWA0109MC004CL						MTWA0110MC001					
				Sample Date	1/10/2024 9:46:00 PM						1/11/2024 1:10:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1695731-05						L1695731-06					
				Sample Name							MTWA0109MC004CL						MTWA0110MC001					
				Sample Date							1/10/2024 9:46:00 PM						1/11/2024 1:10:00 PM					
				Sample Type							FD						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.292	J	RL	1.25	0.0814	1	0.166	J	RL	1.25	0.0814	1	0.166	J	RL	1.25	0.0814	1
				ug/m3	0.861	J	RL	3.69	0.240	1	0.490	J	RL	3.69	0.240	1	0.490	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.388	J	RL	1.25	0.264	1	1.88			1.25	0.264	1	1.88			1.25	0.264	1
				ug/m3	0.954	J	RL	3.07	0.649	1	4.62			3.07	0.649	1	4.62			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.82	J	FD	1.25	0.584	1	3.97			1.25	0.584	1	3.97			1.25	0.584	1
				ug/m3	9.08	J	FD	2.97	1.39	1	9.43			2.97	1.39	1	9.43			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				L1695731-05							L1695731-06					
				Sample Name							MTWA0110MC001					
				Sample Date							1/11/2024 1:10:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.178	J	RL	0.200	0.0715	1	0.150	J	RL,FD	0.200	0.0715	1
				ug/m3	0.569	J	RL	0.639	0.228	1	0.479	J	RL,FD	0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.512			0.200	0.0522	1	0.794			0.200	0.0522	1
				ug/m3	1.21			0.474	0.124	1	1.88			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.556			0.200	0.103	1	0.544			0.200	0.103	1
				ug/m3	1.15			0.413	0.213	1	1.12			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID	L1695731-05						L1695731-06					
				Sample Name	MTWA0109MC004CL						MTWA0110MC001					
				Sample Date	1/10/2024 9:46:00 PM						1/11/2024 1:10:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.506	U	BL	0.506	0.506	1	0.492	U	BL	0.492	0.492	1
				ug/m3	2.50	U	BL	2.50	2.50	1	2.43	U	BL	2.43	2.43	1
	Ethanol	64-17-5	T	ppbv	2.82	J	FD	2.50	0.265	1	11.1	J	FD	2.50	0.265	1
				ug/m3	5.32	J	FD	4.71	0.500	1	20.9	J	FD	4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.223			0.200	0.0979	1	0.670	J	FD	0.200	0.0979	1
				ug/m3	0.774			0.694	0.340	1	2.33	J	FD	0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1695731-06					
				Sample Name							MTWA0110MC001					
				Sample Date							1/11/2024 1:10:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.211	J	RL	0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.744	J	RL	2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.139	J	RL	0.200	0.0503	1	0.460			0.200	0.0503	1
				ug/m3	0.410	J	RL	0.590	0.148	1	1.36			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.137	J	RL	0.500	0.0870	1	0.418	J	RL	0.500	0.0870	1
				ug/m3	0.516	J	RL	1.88	0.328	1	1.57	J	RL	1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1695731-05						L1695731-06					
				Sample Name	MTWA0109MC004CL						MTWA0110MC001					
				Sample Date	1/10/2024 9:46:00 PM						1/11/2024 1:10:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.239			0.200	0.0819	1	0.247			0.200	0.0819	1
				ug/m3	1.34			1.12	0.460	1	1.39			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1695731-08					
				Sample Name							MTWA0110MC002					
				Sample Date							1/11/2024 12:53:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1695731-08					
				Sample Name							MTWA0110MC002					
				Sample Date							1/11/2024 12:53:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.251			0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	1.17			0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.319	J	RL	1.25	0.0814	1	0.292	J	RL	1.25	0.0814	1
				ug/m3	0.941	J	RL	3.69	0.240	1	0.861	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.04	J	RL	1.25	0.264	1	0.555	J	RL	1.25	0.264	1
				ug/m3	2.56	J	RL	3.07	0.649	1	1.36	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.72			1.25	0.584	1	6.10			1.25	0.584	1
				ug/m3	8.84			2.97	1.39	1	14.5			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1695731-08					
				Sample Name							MTWA0110MC002					
				Sample Date							1/11/2024 12:53:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.848	J	FD	0.200	0.0715	1	0.436			0.200	0.0715	1
				ug/m3	2.71	J	FD	0.639	0.228	1	1.39			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.923			0.200	0.0522	1	0.545			0.200	0.0522	1
				ug/m3	2.19			0.474	0.124	1	1.29			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0747	J	RL	0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.471	J	RL	1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.424			0.200	0.103	1	0.541			0.200	0.103	1
				ug/m3	0.876			0.413	0.213	1	1.12			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1695731-07						L1695731-08					
				Sample Name							MTWA0110MC001CL						MTWA0110MC002					
				Sample Date							1/11/2024 1:10:00 PM						1/11/2024 12:53:00 PM					
				Sample Type							FD						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1						
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1						
	Cyclohexane	110-82-7	T	ppbv	0.109	J	RL	0.200	0.0753	1	0.0753	U		0.200	0.0753	1						
				ug/m3	0.375	J	RL	0.689	0.259	1	0.259	U		0.689	0.259	1						
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1						
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1						
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.328			0.200	0.137	1	0.413			0.200	0.137	1						
				ug/m3	1.62			0.989	0.678	1	2.04			0.989	0.678	1						
	Ethanol	64-17-5	T	ppbv	3.82	J	FD	2.50	0.265	1	6.24			2.50	0.265	1						
				ug/m3	7.20	J	FD	4.71	0.500	1	11.8			4.71	0.500	1						
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1						
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1						
	Heptane	142-82-5	T	ppbv	0.189	J	RL	0.200	0.104	1	0.104	U		0.200	0.104	1						
				ug/m3	0.773	J	RL	0.818	0.425	1	0.425	U		0.818	0.425	1						
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1						
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1						
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1						
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1						
	m&p-Xylene	179601-23-1	T	ppbv	0.218	J	RL	0.400	0.135	1	0.156	J	RL	0.400	0.135	1						
				ug/m3	0.945	J	RL	1.73	0.585	1	0.676	J	RL	1.73	0.585	1						
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1						
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1						
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1						
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1						
	Methylene Chloride	75-09-2	T	ppbv	0.288	J	FD	0.200	0.0979	1	0.241			0.200	0.0979	1						
				ug/m3	1.00	J	FD	0.694	0.340	1	0.837			0.694	0.340	1						
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1						
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1						

				Lab Sample ID							L1695731-07						L1695731-08					
				Sample Name							MTWA0110MC001CL						MTWA0110MC002					
				Sample Date							1/11/2024 1:10:00 PM						1/11/2024 12:53:00 PM					
				Sample Type							FD						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1						
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1						
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1						
	n-Hexane	110-54-3	T	ppbv	0.376	J	RL	0.630	0.206	1	0.206	U		0.630	0.206	1						
				ug/m3	1.33	J	RL	2.22	0.726	1	0.726	U		2.22	0.726	1						
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1						
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1						
	o-Xylene	95-47-6	T	ppbv	0.0883	J	RL	0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.383	J	RL	0.867	0.359	1	0.359	U		0.867	0.359	1						
	Pentane	109-66-0	T	ppbv	0.484			0.200	0.0503	1	0.218			0.200	0.0503	1						
				ug/m3	1.43			0.590	0.148	1	0.643			0.590	0.148	1						
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1						
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1						
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1						
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1						
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1						
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1						
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1						
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1						
	Toluene	108-88-3	T	ppbv	0.543			0.500	0.0870	1	1.12			0.500	0.0870	1						
				ug/m3	2.05			1.88	0.328	1	4.22			1.88	0.328	1						
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1						
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1						
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1						
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1						
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1						
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1						

				Lab Sample ID	L1695731-07						L1695731-08					
				Sample Name	MTWA0110MC001CL						MTWA0110MC002					
				Sample Date	1/11/2024 1:10:00 PM						1/11/2024 12:53:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.187	J	RL	0.200	0.0819	1	0.224			0.200	0.0819	1
				ug/m3	1.05	J	RL	1.12	0.460	1	1.26			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1695731-09						L1695731-10					
				Sample Name	MTWA0110MC003						MTWA0110MC004					
				Sample Date	1/11/2024 1:21:00 PM						1/11/2024 1:28:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID	L1695731-09						L1695731-10					
				Sample Name	MTWA0110MC003						MTWA0110MC004					
				Sample Date	1/11/2024 1:21:00 PM						1/11/2024 1:28:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.296	J	RL	1.25	0.0814	1	0.269	J	RL	1.25	0.0814	1
				ug/m3	0.873	J	RL	3.69	0.240	1	0.793	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	7.93			1.25	0.264	1	6.09			1.25	0.264	1
				ug/m3	19.5			3.07	0.649	1	15.0			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0788	J	RL	1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.323	J	RL	5.12	0.313	1
	Acetone	67-64-1	T	ppbv	4.62			1.25	0.584	1	4.15			1.25	0.584	1
				ug/m3	11.0			2.97	1.39	1	9.86			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.697	J	RL	5.00	0.235	1	0.591	J	RL	5.00	0.235	1
				ug/m3	1.17	J	RL	8.39	0.395	1	0.992	J	RL	8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1695731-10					
				Sample Name							MTWA0110MC004					
				Sample Date							1/11/2024 1:28:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.251			0.200	0.0715	1	0.182	J	RL	0.200	0.0715	1
				ug/m3	0.802			0.639	0.228	1	0.581	J	RL	0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	1.36			0.200	0.0522	1	1.08			0.200	0.0522	1
				ug/m3	3.23			0.474	0.124	1	2.56			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.112	J	RL	0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.295	J	RL	0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.432			0.200	0.103	1	0.475			0.200	0.103	1
				ug/m3	0.892			0.413	0.213	1	0.981			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID	L1695731-09						L1695731-10					
				Sample Name	MTWA0110MC003						MTWA0110MC004					
				Sample Date	1/11/2024 1:21:00 PM						1/11/2024 1:28:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.147	J	RL	0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.506	J	RL	0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.374			0.200	0.137	1	0.377			0.200	0.137	1
				ug/m3	1.85			0.989	0.678	1	1.86			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	49.9			2.50	0.265	1	35.0			2.50	0.265	1
				ug/m3	94.1			4.71	0.500	1	66.0			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.173	J	RL	0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.708	J	RL	0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.228	J	RL	0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.988	J	RL	1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	1.83			0.200	0.0979	1	1.45			0.200	0.0979	1
				ug/m3	6.35			0.694	0.340	1	5.03			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID	L1695731-09						L1695731-10					
				Sample Name	MTWA0110MC003						MTWA0110MC004					
				Sample Date	1/11/2024 1:21:00 PM						1/11/2024 1:28:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.436	J	RL	0.630	0.206	1	0.223	J	RL	0.630	0.206	1
				ug/m3	1.54	J	RL	2.22	0.726	1	0.786	J	RL	2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0614	J	RL	0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.322	J	RL	1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.101	J	RL	0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.438	J	RL	0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	1.85			0.200	0.0503	1	1.30			0.200	0.0503	1
				ug/m3	5.46			0.590	0.148	1	3.84			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	1.04			0.500	0.0870	1	0.387	J	RL	0.500	0.0870	1
				ug/m3	3.92			1.88	0.328	1	1.46	J	RL	1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1695731-09						L1695731-10					
				Sample Name	MTWA0110MC003						MTWA0110MC004					
				Sample Date	1/11/2024 1:21:00 PM						1/11/2024 1:28:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.192	J	RL	0.200	0.0819	1	0.198	J	RL	0.200	0.0819	1
				ug/m3	1.08	J	RL	1.12	0.460	1	1.11	J	RL	1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1695731
Report Date: April 30, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the ten air samples collected on January 10 and 11, 2024 at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were collectively analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). This validation guidance document specifically addresses analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratory for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1695731.

The samples that have undergone Level 4 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA0109MC001	L1695731-01	L1695731	Air	1/10/24	VOC
MTWA0109MC002	L1695731-02	L1695731	Air	1/10/24	VOC
MTWA0109MC003	L1695731-03	L1695731	Air	1/10/24	VOC
MTWA0109MC004	L1695731-04	L1695731	Air	1/10/24	VOC
MTWA0109MC004CL (Field Duplicate of MTWA0109MC004)	L1695731-05	L1695731	Air	1/10/24	VOC
MTWA0110MC001	L1695731-06	L1695731	Air	1/11/24	VOC
MTWA0110MC001CL (Field Duplicate of MTWA0110MC001)	L1695731-07	L1695731	Air	1/11/24	VOC
MTWA0110MC002	L1695731-08	L1695731	Air	1/11/24	VOC
MTWA0110MC003	L1695731-09	L1695731	Air	1/11/24	VOC
MTWA0110MC004	L1695731-10	L1695731	Air	1/11/24	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.

Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)
Field Duplicate Results	Mass Tuning
Analytical Sequence	Sample Preparation
Internal Standard Recoveries	Quantitation of Positive Results
Initial and Continuing Calibration Verifications (ICVs/CCVs)	

Comments

1. Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on February 4, 2024. A final revised laboratory Level 4 analytical report and EDD was provided on April 22, 2024.
2. The initial analytical report and EDD did not report the results to the MDL. Upon Environmental Standards' inquiry, a revised analytical report and EDD were provided to report to the MDL.
3. Two field duplicate pairs (sample MTWA0109MC004 and its field duplicate, sample MTWA0109MC004CL and sample MTWA0110MC001 and its field duplicate, sample MTWA0110MC001CL) were collected and analyzed for VOCs with this data set. Acceptable precision was observed between the co-located sample results with the exceptions noted in the table below.
4. FedEx did not sign and date the "Relinquished By" fields on the COC Record.

Based on the items included in this QA review, the following qualifiers are offered.

Analyte(s)	Samples	Validation Qualifier	Reason for Qualification
dichlorodifluoromethane	MTWA0109MC003, MTWA0109MC004, MTWA0109MC004CL, MTWA0110MC001	U	BL
acetone and ethanol	MTWA0109MC004 and MTWA0109MC004CL	J	FD
benzene, ethanol, and methylene chloride	MTWA0110MC001 and MTWA0110MC001CL	J	FD

- All positive results reported between the MDL and RL should be considered estimated and have been flagged “J” on the data tables. (Reason Code RL)

Review performed by:	Valerie Butterhof, Quality Assurance Chemist
Review reviewed by:	Heather S. Paul, Quality Assurance Chemist
Review approved by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date review completed:	4/30/24



ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID	L1695731-01						L1695731-02					
				Sample Name	MTWA0109MC001						MTWA0109MC002					
				Sample Date	1/10/2024 8:37:00 PM						1/10/2024 9:05:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1695731-02					
				Sample Name							MTWA0109MC002					
				Sample Date							1/10/2024 9:05:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.0814	U		1.25	0.0814	1	0.0814	U		1.25	0.0814	1
				ug/m3	0.240	U		3.69	0.240	1	0.240	U		3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.897	J	RL	1.25	0.264	1	0.765	J	RL	1.25	0.264	1
				ug/m3	2.20	J	RL	3.07	0.649	1	1.88	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	2.37			1.25	0.584	1	3.73			1.25	0.584	1
				ug/m3	5.63			2.97	1.39	1	8.86			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	1.95	J	RL	5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	4.23	J	RL	10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1695731-02					
				Sample Name							MTWA0109MC002					
				Sample Date							1/10/2024 9:05:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.166	J	RL	0.200	0.0715	1	0.280			0.200	0.0715	1
				ug/m3	0.530	J	RL	0.639	0.228	1	0.894			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.474			0.200	0.0522	1	0.518			0.200	0.0522	1
				ug/m3	1.12			0.474	0.124	1	1.23			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.569			0.200	0.103	1	0.496			0.200	0.103	1
				ug/m3	1.18			0.413	0.213	1	1.02			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1695731-02					
				Sample Name							MTWA0109MC002					
				Sample Date							1/10/2024 9:05:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.418			0.200	0.137	1	0.412			0.200	0.137	1
				ug/m3	2.07			0.989	0.678	1	2.04			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	2.22	J	RL	2.50	0.265	1	5.33			2.50	0.265	1
				ug/m3	4.19	J	RL	4.71	0.500	1	10.0			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.0979	U		0.200	0.0979	1	0.0979	U		0.200	0.0979	1
				ug/m3	0.340	U		0.694	0.340	1	0.340	U		0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1695731-02					
				Sample Name							MTWA0109MC002					
				Sample Date							1/10/2024 9:05:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.0503	U		0.200	0.0503	1	0.0503	U		0.200	0.0503	1
				ug/m3	0.148	U		0.590	0.148	1	0.148	U		0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.158	J	RL	0.500	0.0870	1	0.901			0.500	0.0870	1
				ug/m3	0.595	J	RL	1.88	0.328	1	3.39			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1695731-01						L1695731-02					
				Sample Name	MTWA0109MC001						MTWA0109MC002					
				Sample Date	1/10/2024 8:37:00 PM						1/10/2024 9:05:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.199	J	RL	0.200	0.0819	1	0.228			0.200	0.0819	1
				ug/m3	1.12	J	RL	1.12	0.460	1	1.28			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1695731-04					
				Sample Name							MTWA0109MC003					
				Sample Date							1/10/2024 9:23:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				L1695731-03							L1695731-04											
				Sample Name							MTWA0109MC003						MTWA0109MC004					
				Sample Date							1/10/2024 9:23:00 PM						1/10/2024 9:46:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1						
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1						
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1						
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1						
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1						
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1						
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1						
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1						
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1						
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1						
	2-Butanone (MEK)	78-93-3	T	ppbv	0.135	J	RL	1.25	0.0814	1	0.225	J	RL	1.25	0.0814	1						
				ug/m3	0.398	J	RL	3.69	0.240	1	0.663	J	RL	3.69	0.240	1						
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1						
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1						
	2-Propanol	67-63-0	T	ppbv	0.752	J	RL	1.25	0.264	1	0.445	J	RL	1.25	0.264	1						
				ug/m3	1.85	J	RL	3.07	0.649	1	1.09	J	RL	3.07	0.649	1						
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1						
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1						
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1						
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1						
	Acetone	67-64-1	T	ppbv	3.03			1.25	0.584	1	2.53	J	FD	1.25	0.584	1						
				ug/m3	7.20			2.97	1.39	1	6.01	J	FD	2.97	1.39	1						
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1						
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1						
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	3.71	J	RL	5.00	0.226	1						
				ug/m3	0.490	U		10.8	0.490	1	8.04	J	RL	10.8	0.490	1						
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1						
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1						

				L1695731-03							L1695731-04											
				Sample Name							MTWA0109MC003						MTWA0109MC004					
				Sample Date							1/10/2024 9:23:00 PM						1/10/2024 9:46:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF						
TO-15	Benzene	71-43-2	T	ppbv	0.295			0.200	0.0715	1	0.172	J	RL	0.200	0.0715	1						
				ug/m3	0.942			0.639	0.228	1	0.549	J	RL	0.639	0.228	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	0.800			0.200	0.0522	1	0.612			0.200	0.0522	1						
				ug/m3	1.90			0.474	0.124	1	1.45			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1						
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1						
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1						
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	0.567			0.200	0.103	1	0.547			0.200	0.103	1						
				ug/m3	1.17			0.413	0.213	1	1.13			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				Lab Sample ID							L1695731-04					
				Sample Name							MTWA0109MC003					
				Sample Date							1/10/2024 9:23:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.505	U	BL	0.505	0.505	1	0.524	U	BL	0.524	0.524	1
				ug/m3	2.50	U	BL	2.50	2.50	1	2.59	U	BL	2.59	2.59	1
	Ethanol	64-17-5	T	ppbv	3.04			2.50	0.265	1	7.88	J	FD	2.50	0.265	1
				ug/m3	5.73			4.71	0.500	1	14.9	J	FD	4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.350			0.200	0.0979	1	0.215			0.200	0.0979	1
				ug/m3	1.22			0.694	0.340	1	0.747			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1695731-04					
				Sample Name							MTWA0109MC004					
				Sample Date							1/10/2024 9:46:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.308			0.200	0.0503	1	0.278			0.200	0.0503	1
				ug/m3	0.909			0.590	0.148	1	0.820			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.202	J	RL	0.500	0.0870	1	0.388	J	RL	0.500	0.0870	1
				ug/m3	0.761	J	RL	1.88	0.328	1	1.46	J	RL	1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1695731-03						L1695731-04					
				Sample Name	MTWA0109MC003						MTWA0109MC004					
				Sample Date	1/10/2024 9:23:00 PM						1/10/2024 9:46:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.225			0.200	0.0819	1	0.227			0.200	0.0819	1
				ug/m3	1.26			1.12	0.460	1	1.28			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1695731-05						L1695731-06					
				Sample Name	MTWA0109MC004CL						MTWA0110MC001					
				Sample Date	1/10/2024 9:46:00 PM						1/11/2024 1:10:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1695731-06					
				Sample Name							MTWA0110MC001					
				Sample Date							1/11/2024 1:10:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.292	J	RL	1.25	0.0814	1	0.166	J	RL	1.25	0.0814	1
				ug/m3	0.861	J	RL	3.69	0.240	1	0.490	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.388	J	RL	1.25	0.264	1	1.88			1.25	0.264	1
				ug/m3	0.954	J	RL	3.07	0.649	1	4.62			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.82	J	FD	1.25	0.584	1	3.97			1.25	0.584	1
				ug/m3	9.08	J	FD	2.97	1.39	1	9.43			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				L1695731-05							L1695731-06					
				Sample Name							MTWA0110MC001					
				Sample Date							1/11/2024 1:10:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.178	J	RL	0.200	0.0715	1	0.150	J	RL,FD	0.200	0.0715	1
				ug/m3	0.569	J	RL	0.639	0.228	1	0.479	J	RL,FD	0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.512			0.200	0.0522	1	0.794			0.200	0.0522	1
				ug/m3	1.21			0.474	0.124	1	1.88			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.556			0.200	0.103	1	0.544			0.200	0.103	1
				ug/m3	1.15			0.413	0.213	1	1.12			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID	L1695731-05						L1695731-06					
				Sample Name	MTWA0109MC004CL						MTWA0110MC001					
				Sample Date	1/10/2024 9:46:00 PM						1/11/2024 1:10:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.506	U	BL	0.506	0.506	1	0.492	U	BL	0.492	0.492	1
				ug/m3	2.50	U	BL	2.50	2.50	1	2.43	U	BL	2.43	2.43	1
	Ethanol	64-17-5	T	ppbv	2.82	J	FD	2.50	0.265	1	11.1	J	FD	2.50	0.265	1
				ug/m3	5.32	J	FD	4.71	0.500	1	20.9	J	FD	4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.223			0.200	0.0979	1	0.670	J	FD	0.200	0.0979	1
				ug/m3	0.774			0.694	0.340	1	2.33	J	FD	0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1695731-06					
				Sample Name							MTWA0110MC001					
				Sample Date							1/11/2024 1:10:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.211	J	RL	0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.744	J	RL	2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.139	J	RL	0.200	0.0503	1	0.460			0.200	0.0503	1
				ug/m3	0.410	J	RL	0.590	0.148	1	1.36			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.137	J	RL	0.500	0.0870	1	0.418	J	RL	0.500	0.0870	1
				ug/m3	0.516	J	RL	1.88	0.328	1	1.57	J	RL	1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1695731-05						L1695731-06					
				Sample Name	MTWA0109MC004CL						MTWA0110MC001					
				Sample Date	1/10/2024 9:46:00 PM						1/11/2024 1:10:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.239			0.200	0.0819	1	0.247			0.200	0.0819	1
				ug/m3	1.34			1.12	0.460	1	1.39			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1695731-07						L1695731-08					
				Sample Name	MTWA0110MC001CL						MTWA0110MC002					
				Sample Date	1/11/2024 1:10:00 PM						1/11/2024 12:53:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID	L1695731-07						L1695731-08					
				Sample Name	MTWA0110MC001CL						MTWA0110MC002					
				Sample Date	1/11/2024 1:10:00 PM						1/11/2024 12:53:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.251			0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	1.17			0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.319	J	RL	1.25	0.0814	1	0.292	J	RL	1.25	0.0814	1
				ug/m3	0.941	J	RL	3.69	0.240	1	0.861	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.04	J	RL	1.25	0.264	1	0.555	J	RL	1.25	0.264	1
				ug/m3	2.56	J	RL	3.07	0.649	1	1.36	J	RL	3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.72			1.25	0.584	1	6.10			1.25	0.584	1
				ug/m3	8.84			2.97	1.39	1	14.5			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	0.235	U		5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	0.395	U		8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID	L1695731-07						L1695731-08					
				Sample Name	MTWA0110MC001CL						MTWA0110MC002					
				Sample Date	1/11/2024 1:10:00 PM						1/11/2024 12:53:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.848	J	FD	0.200	0.0715	1	0.436			0.200	0.0715	1
				ug/m3	2.71	J	FD	0.639	0.228	1	1.39			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.923			0.200	0.0522	1	0.545			0.200	0.0522	1
				ug/m3	2.19			0.474	0.124	1	1.29			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0747	J	RL	0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.471	J	RL	1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.424			0.200	0.103	1	0.541			0.200	0.103	1
				ug/m3	0.876			0.413	0.213	1	1.12			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID	L1695731-07						L1695731-08					
				Sample Name	MTWA0110MC001CL						MTWA0110MC002					
				Sample Date	1/11/2024 1:10:00 PM						1/11/2024 12:53:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.109	J	RL	0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.375	J	RL	0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.328			0.200	0.137	1	0.413			0.200	0.137	1
				ug/m3	1.62			0.989	0.678	1	2.04			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	3.82	J	FD	2.50	0.265	1	6.24			2.50	0.265	1
				ug/m3	7.20	J	FD	4.71	0.500	1	11.8			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.189	J	RL	0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.773	J	RL	0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.218	J	RL	0.400	0.135	1	0.156	J	RL	0.400	0.135	1
				ug/m3	0.945	J	RL	1.73	0.585	1	0.676	J	RL	1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.288	J	FD	0.200	0.0979	1	0.241			0.200	0.0979	1
				ug/m3	1.00	J	FD	0.694	0.340	1	0.837			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID	L1695731-07						L1695731-08					
				Sample Name	MTWA0110MC001CL						MTWA0110MC002					
				Sample Date	1/11/2024 1:10:00 PM						1/11/2024 12:53:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.376	J	RL	0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	1.33	J	RL	2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0883	J	RL	0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.383	J	RL	0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.484			0.200	0.0503	1	0.218			0.200	0.0503	1
				ug/m3	1.43			0.590	0.148	1	0.643			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.543			0.500	0.0870	1	1.12			0.500	0.0870	1
				ug/m3	2.05			1.88	0.328	1	4.22			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1695731-07						L1695731-08					
				Sample Name	MTWA0110MC001CL						MTWA0110MC002					
				Sample Date	1/11/2024 1:10:00 PM						1/11/2024 12:53:00 PM					
				Sample Type	FD						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.187	J	RL	0.200	0.0819	1	0.224			0.200	0.0819	1
				ug/m3	1.05	J	RL	1.12	0.460	1	1.26			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1695731-10					
				Sample Name							MTWA0110MC003					
				Sample Date							1/11/2024 1:21:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1695731-10					
				Sample Name							MTWA0110MC004					
				Sample Date							1/11/2024 1:28:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.296	J	RL	1.25	0.0814	1	0.269	J	RL	1.25	0.0814	1
				ug/m3	0.873	J	RL	3.69	0.240	1	0.793	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	7.93			1.25	0.264	1	6.09			1.25	0.264	1
				ug/m3	19.5			3.07	0.649	1	15.0			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0788	J	RL	1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.323	J	RL	5.12	0.313	1
	Acetone	67-64-1	T	ppbv	4.62			1.25	0.584	1	4.15			1.25	0.584	1
				ug/m3	11.0			2.97	1.39	1	9.86			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.697	J	RL	5.00	0.235	1	0.591	J	RL	5.00	0.235	1
				ug/m3	1.17	J	RL	8.39	0.395	1	0.992	J	RL	8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID	L1695731-09						L1695731-10					
				Sample Name	MTWA0110MC003						MTWA0110MC004					
				Sample Date	1/11/2024 1:21:00 PM						1/11/2024 1:28:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.251			0.200	0.0715	1	0.182	J	RL	0.200	0.0715	1
				ug/m3	0.802			0.639	0.228	1	0.581	J	RL	0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	1.36			0.200	0.0522	1	1.08			0.200	0.0522	1
				ug/m3	3.23			0.474	0.124	1	2.56			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.112	J	RL	0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.295	J	RL	0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.432			0.200	0.103	1	0.475			0.200	0.103	1
				ug/m3	0.892			0.413	0.213	1	0.981			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID	L1695731-09						L1695731-10					
				Sample Name	MTWA0110MC003						MTWA0110MC004					
				Sample Date	1/11/2024 1:21:00 PM						1/11/2024 1:28:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.147	J	RL	0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.506	J	RL	0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.374			0.200	0.137	1	0.377			0.200	0.137	1
				ug/m3	1.85			0.989	0.678	1	1.86			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	49.9			2.50	0.265	1	35.0			2.50	0.265	1
				ug/m3	94.1			4.71	0.500	1	66.0			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.173	J	RL	0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.708	J	RL	0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.228	J	RL	0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.988	J	RL	1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	1.83			0.200	0.0979	1	1.45			0.200	0.0979	1
				ug/m3	6.35			0.694	0.340	1	5.03			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1695731-10					
				Sample Name							MTWA0110MC004					
				Sample Date							1/11/2024 1:28:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.436	J	RL	0.630	0.206	1	0.223	J	RL	0.630	0.206	1
				ug/m3	1.54	J	RL	2.22	0.726	1	0.786	J	RL	2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0614	J	RL	0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.322	J	RL	1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.101	J	RL	0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.438	J	RL	0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	1.85			0.200	0.0503	1	1.30			0.200	0.0503	1
				ug/m3	5.46			0.590	0.148	1	3.84			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	1.04			0.500	0.0870	1	0.387	J	RL	0.500	0.0870	1
				ug/m3	3.92			1.88	0.328	1	1.46	J	RL	1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1695731-09						L1695731-10					
				Sample Name	MTWA0110MC003						MTWA0110MC004					
				Sample Date	1/11/2024 1:21:00 PM						1/11/2024 1:28:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.192	J	RL	0.200	0.0819	1	0.198	J	RL	0.200	0.0819	1
				ug/m3	1.08	J	RL	1.12	0.460	1	1.11	J	RL	1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1707419
Report Date: April 22, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of eight air samples collected on February 16 and 17, 2024, at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were collectively analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). This validation guidance document specifically addresses analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and is not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratory for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1707419.

The samples that have undergone Level 2 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA0216MC001	L1707419-01	L1707419	Air	2/16/24	VOC
MTWA0216MC002	L1707419-02	L1707419	Air	2/16/24	VOC
MTWA0216MC003	L1707419-03	L1707419	Air	2/16/24	VOC
MTWA0216MC004	L1707419-04	L1707419	Air	2/16/24	VOC
MTWA0216MC001B	L1707419-05	L1707419	Air	2/17/24	VOC
MTWA0216MC002B	L1707419-06	L1707419	Air	2/17/24	VOC
MTWA0216MC003B	L1707419-07	L1707419	Air	2/17/24	VOC
MTWA0216MC004B	L1707419-08	L1707419	Air	2/17/24	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.



Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)

Comment

- Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on February 21, 2024.

Based on the items included in this QA review, the following qualifiers are offered.

Analyte	Sample(s)	Validation Qualifier	Reason for Qualification
acetonitrile	MTWA0216MC002	U	BL
acetonitrile	all samples	J (unless previously flagged "U")	L+

- All positive results reported between the MDL and RL should be considered estimated and have been flagged "J" (unless previously flagged "U") on the data tables. (Reason Code RL)

Review performed by:	Anjila Manandhar, Quality Assurance Chemist
Review reviewed by:	Heather S. Paul, Quality Assurance Chemist
Review approved by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date review completed:	4/22/24

ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID	L1707419-01						L1707419-02					
				Sample Name	MTWA0216MC001						MTWA0216MC002					
				Sample Date	2/16/2024 10:40:00 PM						2/16/2024 11:09:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0838	J	RL	0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.642	J	RL	1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1707419-02					
				Sample Name							MTWA0216MC002					
				Sample Date							2/16/2024 11:09:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.493	J	RL	1.25	0.0814	1	0.0814	U		1.25	0.0814	1
				ug/m3	1.45	J	RL	3.69	0.240	1	0.240	U		3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	3.22			1.25	0.264	1	1.91			1.25	0.264	1
				ug/m3	7.92			3.07	0.649	1	4.69			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	8.89			1.25	0.584	1	7.08			1.25	0.584	1
				ug/m3	21.1			2.97	1.39	1	16.8			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	6.33	J	L+	5.00	0.235	1	2.28	U	BL, L+	5.00	2.28	1
				ug/m3	10.6	J	L+	8.39	0.395	1	3.83	U	BL, L+	8.39	3.83	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1707419-02					
				Sample Name							MTWA0216MC002					
				Sample Date							2/16/2024 11:09:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.214			0.200	0.0715	1	0.205			0.200	0.0715	1
				ug/m3	0.684			0.639	0.228	1	0.655			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.848			0.200	0.0522	1	0.748			0.200	0.0522	1
				ug/m3	2.01			0.474	0.124	1	1.77			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.286			0.200	0.102	1	0.125	J	RL	0.200	0.102	1
				ug/m3	0.890			0.622	0.317	1	0.389	J	RL	0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0908	J	RL	0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.572	J	RL	1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.731			0.200	0.103	1	0.683			0.200	0.103	1
				ug/m3	1.51			0.413	0.213	1	1.41			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1707419-02					
				Sample Name							MTWA0216MC002					
				Sample Date							2/16/2024 11:09:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.425			0.200	0.137	1	0.462			0.200	0.137	1
				ug/m3	2.10			0.989	0.678	1	2.28			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	16.0			2.50	0.265	1	19.6			2.50	0.265	1
				ug/m3	30.2			4.71	0.500	1	37.0			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.164	J	RL	0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.711	J	RL	1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.371			0.200	0.0979	1	0.527			0.200	0.0979	1
				ug/m3	1.29			0.694	0.340	1	1.83			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1707419-02					
				Sample Name							MTWA0216MC002					
				Sample Date							2/16/2024 11:09:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.597			0.200	0.0503	1	0.892			0.200	0.0503	1
				ug/m3	1.76			0.590	0.148	1	2.63			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.748			0.500	0.0870	1	1.01			0.500	0.0870	1
				ug/m3	2.82			1.88	0.328	1	3.80			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1707419-01						L1707419-02					
				Sample Name	MTWA0216MC001						MTWA0216MC002					
				Sample Date	2/16/2024 10:40:00 PM						2/16/2024 11:09:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.263			0.200	0.0819	1	0.242			0.200	0.0819	1
				ug/m3	1.48			1.12	0.460	1	1.36			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1707419-03						L1707419-04					
				Sample Name	MTWA0216MC003						MTWA0216MC004					
				Sample Date	2/16/2024 11:24:00 PM						2/16/2024 11:37:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1707419-04					
				Sample Name							MTWA0216MC004					
				Sample Date							2/16/2024 11:37:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.0814	U		1.25	0.0814	1	0.0814	U		1.25	0.0814	1
				ug/m3	0.240	U		3.69	0.240	1	0.240	U		3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.264	U		1.25	0.264	1	0.264	U		1.25	0.264	1
				ug/m3	0.649	U		3.07	0.649	1	0.649	U		3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.58			1.25	0.584	1	2.23			1.25	0.584	1
				ug/m3	8.51			2.97	1.39	1	5.30			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	3.27	J	L+	5.00	0.235	1	3.19	J	L+	5.00	0.235	1
				ug/m3	5.49	J	L+	8.39	0.395	1	5.36	J	L+	8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1707419-04					
				Sample Name							MTWA0216MC004					
				Sample Date							2/16/2024 11:37:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.263			0.200	0.0715	1	0.207			0.200	0.0715	1
				ug/m3	0.840			0.639	0.228	1	0.661			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.610			0.200	0.0522	1	0.540			0.200	0.0522	1
				ug/m3	1.45			0.474	0.124	1	1.28			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.120	J	RL	0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.373	J	RL	0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.701			0.200	0.103	1	0.603			0.200	0.103	1
				ug/m3	1.45			0.413	0.213	1	1.25			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				L1707419-03							L1707419-04					
				Sample Name							MTWA0216MC004					
				Sample Date							2/16/2024 11:37:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.431			0.200	0.137	1	0.407			0.200	0.137	1
				ug/m3	2.13			0.989	0.678	1	2.01			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	16.4			2.50	0.265	1	14.1			2.50	0.265	1
				ug/m3	30.9			4.71	0.500	1	26.6			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.235			0.200	0.0979	1	0.262			0.200	0.0979	1
				ug/m3	0.816			0.694	0.340	1	0.910			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1707419-04					
				Sample Name							MTWA0216MC004					
				Sample Date							2/16/2024 11:37:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.346			0.200	0.0503	1	1.48			0.200	0.0503	1
				ug/m3	1.02			0.590	0.148	1	4.37			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	1.06			0.500	0.0870	1	0.563			0.500	0.0870	1
				ug/m3	3.99			1.88	0.328	1	2.12			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1707419-03						L1707419-04					
				Sample Name	MTWA0216MC003						MTWA0216MC004					
				Sample Date	2/16/2024 11:24:00 PM						2/16/2024 11:37:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.239			0.200	0.0819	1	0.232			0.200	0.0819	1
				ug/m3	1.34			1.12	0.460	1	1.30			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1707419-05						L1707419-06					
				Sample Name							MTWA0216MC001B						MTWA0216MC002B					
				Sample Date							2/17/2024 5:16:00 PM						2/17/2024 5:31:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1707419-06					
				Sample Name							MTWA0216MC002B					
				Sample Date							2/17/2024 5:31:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.0814	U		1.25	0.0814	1	0.0814	U		1.25	0.0814	1
				ug/m3	0.240	U		3.69	0.240	1	0.240	U		3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.264	U		1.25	0.264	1	0.264	U		1.25	0.264	1
				ug/m3	0.649	U		3.07	0.649	1	0.649	U		3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.05			1.25	0.584	1	5.49			1.25	0.584	1
				ug/m3	7.25			2.97	1.39	1	13.0			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	2.98	J	L+	5.00	0.235	1	3.22	J	L+	5.00	0.235	1
				ug/m3	5.00	J	L+	8.39	0.395	1	5.41	J	L+	8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	1.84	J	RL	5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	3.99	J	RL	10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1707419-06					
				Sample Name							MTWA0216MC002B					
				Sample Date							2/17/2024 5:31:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.237			0.200	0.0715	1	0.264			0.200	0.0715	1
				ug/m3	0.757			0.639	0.228	1	0.843			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.647			0.200	0.0522	1	0.628			0.200	0.0522	1
				ug/m3	1.53			0.474	0.124	1	1.49			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.140	J	RL	0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.436	J	RL	0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.610			0.200	0.103	1	0.699			0.200	0.103	1
				ug/m3	1.26			0.413	0.213	1	1.44			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1707419-06					
				Sample Name							MTWA0216MC002B					
				Sample Date							2/17/2024 5:31:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.380			0.200	0.137	1	0.398			0.200	0.137	1
				ug/m3	1.88			0.989	0.678	1	1.97			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	20.4			2.50	0.265	1	16.2			2.50	0.265	1
				ug/m3	38.5			4.71	0.500	1	30.5			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.448			0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	1.94			1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.286			0.200	0.0979	1	0.288			0.200	0.0979	1
				ug/m3	0.993			0.694	0.340	1	1.00			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1707419-06					
				Sample Name							MTWA0216MC002B					
				Sample Date							2/17/2024 5:31:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.715			0.200	0.0503	1	0.780			0.200	0.0503	1
				ug/m3	2.11			0.590	0.148	1	2.30			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	1.47			0.500	0.0870	1	1.20			0.500	0.0870	1
				ug/m3	5.54			1.88	0.328	1	4.52			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1707419-05						L1707419-06					
				Sample Name	MTWA0216MC001B						MTWA0216MC002B					
				Sample Date	2/17/2024 5:16:00 PM						2/17/2024 5:31:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.223			0.200	0.0819	1	0.225			0.200	0.0819	1
				ug/m3	1.25			1.12	0.460	1	1.26			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1707419-07						L1707419-08					
				Sample Name	MTWA0216MC003B						MTWA0216MC004B					
				Sample Date	2/17/2024 5:46:00 PM						2/17/2024 5:58:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0826	J	RL	0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.633	J	RL	1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.277			0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	1.36			0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1707419-08					
				Sample Name							MTWA0216MC004B					
				Sample Date							2/17/2024 5:58:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.0814	U		1.25	0.0814	1	0.0814	U		1.25	0.0814	1
				ug/m3	0.240	U		3.69	0.240	1	0.240	U		3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.88			1.25	0.264	1	2.11			1.25	0.264	1
				ug/m3	4.62			3.07	0.649	1	5.19			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.276			0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	1.35			0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.25			1.25	0.584	1	4.22			1.25	0.584	1
				ug/m3	7.72			2.97	1.39	1	10.0			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	3.08	J	L+	5.00	0.235	1	5.37	J	L+	5.00	0.235	1
				ug/m3	5.17	J	L+	8.39	0.395	1	9.02	J	L+	8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1707419-08					
				Sample Name							MTWA0216MC004B					
				Sample Date							2/17/2024 5:58:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.241			0.200	0.0715	1	0.499			0.200	0.0715	1
				ug/m3	0.770			0.639	0.228	1	1.59			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.856			0.200	0.0522	1	0.677			0.200	0.0522	1
				ug/m3	2.03			0.474	0.124	1	1.61			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.132	J	RL	0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.411	J	RL	0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.684			0.200	0.103	1	0.673			0.200	0.103	1
				ug/m3	1.41			0.413	0.213	1	1.39			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1707419-08					
				Sample Name							MTWA0216MC004B					
				Sample Date							2/17/2024 5:58:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.407			0.200	0.137	1	0.391			0.200	0.137	1
				ug/m3	2.01			0.989	0.678	1	1.93			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	13.1			2.50	0.265	1	24.7			2.50	0.265	1
				ug/m3	24.7			4.71	0.500	1	46.6			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.280			0.200	0.0835	1	0.265			0.200	0.0835	1
				ug/m3	1.21			0.867	0.362	1	1.15			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	1.18			0.400	0.135	1	0.689			0.400	0.135	1
				ug/m3	5.12			1.73	0.585	1	2.99			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.311			0.200	0.0979	1	0.371			0.200	0.0979	1
				ug/m3	1.08			0.694	0.340	1	1.29			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				L1707419-07							L1707419-08						
				Sample Name	MTWA0216MC003B							MTWA0216MC004B					
				Sample Date	2/17/2024 5:46:00 PM							2/17/2024 5:58:00 PM					
				Sample Type	TRG							TRG					
				% Moisture													
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1	
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1	
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1	
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1	
	n-Hexane	110-54-3	T	ppbv	0.708			0.630	0.206	1	0.537	J	RL	0.630	0.206	1	
				ug/m3	2.50			2.22	0.726	1	1.89	J	RL	2.22	0.726	1	
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1	
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1	
	o-Xylene	95-47-6	T	ppbv	0.506			0.200	0.0828	1	0.245			0.200	0.0828	1	
				ug/m3	2.19			0.867	0.359	1	1.06			0.867	0.359	1	
	Pentane	109-66-0	T	ppbv	1.06			0.200	0.0503	1	0.580			0.200	0.0503	1	
				ug/m3	3.13			0.590	0.148	1	1.71			0.590	0.148	1	
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1	
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1	
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1	
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1	
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1	
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1	
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1	
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1	
	Toluene	108-88-3	T	ppbv	2.46			0.500	0.0870	1	2.93			0.500	0.0870	1	
				ug/m3	9.27			1.88	0.328	1	11.0			1.88	0.328	1	
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1	
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1	
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1	
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1	
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1	
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1	

				Lab Sample ID	L1707419-07						L1707419-08					
				Sample Name	MTWA0216MC003B						MTWA0216MC004B					
				Sample Date	2/17/2024 5:46:00 PM						2/17/2024 5:58:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.225			0.200	0.0819	1	0.225			0.200	0.0819	1
				ug/m3	1.26			1.12	0.460	1	1.26			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1707419
Report Date: April 30, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of the eight air samples collected on February 16 and 17, 2024, at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were collectively analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). This validation guidance document specifically addresses analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and is not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratory for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1707419.

The samples that have undergone Level 4 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA0216MC001	L1707419-01	L1707419	Air	2/16/24	VOC
MTWA0216MC002	L1707419-02	L1707419	Air	2/16/24	VOC
MTWA0216MC003	L1707419-03	L1707419	Air	2/16/24	VOC
MTWA0216MC004	L1707419-04	L1707419	Air	2/16/24	VOC
MTWA0216MC001B	L1707419-05	L1707419	Air	2/17/24	VOC
MTWA0216MC002B	L1707419-06	L1707419	Air	2/17/24	VOC
MTWA0216MC003B	L1707419-07	L1707419	Air	2/17/24	VOC
MTWA0216MC004B	L1707419-08	L1707419	Air	2/17/24	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.



Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Mass Tuning
Sample Preparation	Analytical Sequence
Initial and Continuing Calibration Verifications (ICVs/CCVs)	Internal Standard Recoveries
Quantitation of Positive Results	Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)

Comment

- Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on February 21, 2024. A final revised laboratory Level 4 analytical report and EDD were provided on April 3, 2024.

Based on the items included in this QA review, the following qualifiers are offered.

Analyte	Sample(s)	Validation Qualifier	Reason for Qualification
acetonitrile	MTWA0216MC002	U	BL
acetonitrile	all samples	J (unless previously flagged "U")	L+

- All positive results reported between the MDL and RL should be considered estimated and have been flagged "J" on the data tables. (Reason Code RL)

Review performed by:	Anjila Manandhar, Quality Assurance Chemist
Review reviewed by:	Heather S. Paul, Quality Assurance Chemist
Review approved by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date review completed:	4/30/24

ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID	L1707419-01						L1707419-02					
				Sample Name	MTWA0216MC001						MTWA0216MC002					
				Sample Date	2/16/2024 10:40:00 PM						2/16/2024 11:09:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0838	J	RL	0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.642	J	RL	1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1707419-02					
				Sample Name							MTWA0216MC002					
				Sample Date							2/16/2024 11:09:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.493	J	RL	1.25	0.0814	1	0.0814	U		1.25	0.0814	1
				ug/m3	1.45	J	RL	3.69	0.240	1	0.240	U		3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	3.22			1.25	0.264	1	1.91			1.25	0.264	1
				ug/m3	7.92			3.07	0.649	1	4.69			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	8.89			1.25	0.584	1	7.08			1.25	0.584	1
				ug/m3	21.1			2.97	1.39	1	16.8			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	6.33	J	L+	5.00	0.235	1	2.28	U	BL, L+	5.00	2.28	1
				ug/m3	10.6	J	L+	8.39	0.395	1	3.83	U	BL, L+	8.39	3.83	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1707419-02					
				Sample Name							MTWA0216MC002					
				Sample Date							2/16/2024 11:09:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.214			0.200	0.0715	1	0.205			0.200	0.0715	1
				ug/m3	0.684			0.639	0.228	1	0.655			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.848			0.200	0.0522	1	0.748			0.200	0.0522	1
				ug/m3	2.01			0.474	0.124	1	1.77			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.286			0.200	0.102	1	0.125	J	RL	0.200	0.102	1
				ug/m3	0.890			0.622	0.317	1	0.389	J	RL	0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0908	J	RL	0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.572	J	RL	1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.731			0.200	0.103	1	0.683			0.200	0.103	1
				ug/m3	1.51			0.413	0.213	1	1.41			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1707419-02					
				Sample Name							MTWA0216MC002					
				Sample Date							2/16/2024 11:09:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.425			0.200	0.137	1	0.462			0.200	0.137	1
				ug/m3	2.10			0.989	0.678	1	2.28			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	16.0			2.50	0.265	1	19.6			2.50	0.265	1
				ug/m3	30.2			4.71	0.500	1	37.0			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.164	J	RL	0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.711	J	RL	1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.371			0.200	0.0979	1	0.527			0.200	0.0979	1
				ug/m3	1.29			0.694	0.340	1	1.83			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1707419-02					
				Sample Name							MTWA0216MC002					
				Sample Date							2/16/2024 11:09:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.597			0.200	0.0503	1	0.892			0.200	0.0503	1
				ug/m3	1.76			0.590	0.148	1	2.63			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	0.748			0.500	0.0870	1	1.01			0.500	0.0870	1
				ug/m3	2.82			1.88	0.328	1	3.80			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1707419-01						L1707419-02					
				Sample Name	MTWA0216MC001						MTWA0216MC002					
				Sample Date	2/16/2024 10:40:00 PM						2/16/2024 11:09:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.263			0.200	0.0819	1	0.242			0.200	0.0819	1
				ug/m3	1.48			1.12	0.460	1	1.36			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1707419-04					
				Sample Name							MTWA0216MC003					
				Sample Date							2/16/2024 11:24:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1707419-04					
				Sample Name							MTWA0216MC004					
				Sample Date							2/16/2024 11:37:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.0814	U		1.25	0.0814	1	0.0814	U		1.25	0.0814	1
				ug/m3	0.240	U		3.69	0.240	1	0.240	U		3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.264	U		1.25	0.264	1	0.264	U		1.25	0.264	1
				ug/m3	0.649	U		3.07	0.649	1	0.649	U		3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.58			1.25	0.584	1	2.23			1.25	0.584	1
				ug/m3	8.51			2.97	1.39	1	5.30			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	3.27	J	RL,L+	5.00	0.235	1	3.19	J	RL,L+	5.00	0.235	1
				ug/m3	5.49	J	RL,L+	8.39	0.395	1	5.36	J	RL,L+	8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1707419-03						L1707419-04					
				Sample Name							MTWA0216MC003						MTWA0216MC004					
				Sample Date							2/16/2024 11:24:00 PM						2/16/2024 11:37:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.263			0.200	0.0715	1	0.207			0.200	0.0715	1						
				ug/m3	0.840			0.639	0.228	1	0.661			0.639	0.228	1						
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1						
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1						
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1						
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1						
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1						
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1						
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1						
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1						
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1						
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1						
	Butane	106-97-8	T	ppbv	0.610			0.200	0.0522	1	0.540			0.200	0.0522	1						
				ug/m3	1.45			0.474	0.124	1	1.28			0.474	0.124	1						
	Carbon disulfide	75-15-0	T	ppbv	0.120	J	RL	0.200	0.102	1	0.102	U		0.200	0.102	1						
				ug/m3	0.373	J	RL	0.622	0.317	1	0.317	U		0.622	0.317	1						
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1						
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1						
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1						
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1						
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1						
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1						
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1						
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1						
	Chloromethane	74-87-3	T	ppbv	0.701			0.200	0.103	1	0.603			0.200	0.103	1						
				ug/m3	1.45			0.413	0.213	1	1.25			0.413	0.213	1						
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1						
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1						

				L1707419-03							L1707419-04					
				Sample Name							MTWA0216MC004					
				Sample Date							2/16/2024 11:37:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.431			0.200	0.137	1	0.407			0.200	0.137	1
				ug/m3	2.13			0.989	0.678	1	2.01			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	16.4			2.50	0.265	1	14.1			2.50	0.265	1
				ug/m3	30.9			4.71	0.500	1	26.6			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.235			0.200	0.0979	1	0.262			0.200	0.0979	1
				ug/m3	0.816			0.694	0.340	1	0.910			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1707419-04					
				Sample Name							MTWA0216MC004					
				Sample Date							2/16/2024 11:37:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.346			0.200	0.0503	1	1.48			0.200	0.0503	1
				ug/m3	1.02			0.590	0.148	1	4.37			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	1.06			0.500	0.0870	1	0.563			0.500	0.0870	1
				ug/m3	3.99			1.88	0.328	1	2.12			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1707419-03						L1707419-04					
				Sample Name	MTWA0216MC003						MTWA0216MC004					
				Sample Date	2/16/2024 11:24:00 PM						2/16/2024 11:37:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.239			0.200	0.0819	1	0.232			0.200	0.0819	1
				ug/m3	1.34			1.12	0.460	1	1.30			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1707419-05						L1707419-06					
				Sample Name							MTWA0216MC001B						MTWA0216MC002B					
				Sample Date							2/17/2024 5:16:00 PM						2/17/2024 5:31:00 PM					
				Sample Type							TRG						TRG					
				% Moisture																		
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1707419-06					
				Sample Name							MTWA0216MC002B					
				Sample Date							2/17/2024 5:31:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.0814	U		1.25	0.0814	1	0.0814	U		1.25	0.0814	1
				ug/m3	0.240	U		3.69	0.240	1	0.240	U		3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	0.264	U		1.25	0.264	1	0.264	U		1.25	0.264	1
				ug/m3	0.649	U		3.07	0.649	1	0.649	U		3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.05			1.25	0.584	1	5.49			1.25	0.584	1
				ug/m3	7.25			2.97	1.39	1	13.0			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	2.98	J	RL,L+	5.00	0.235	1	3.22	J	RL,L+	5.00	0.235	1
				ug/m3	5.00	J	RL,L+	8.39	0.395	1	5.41	J	RL,L+	8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	1.84	J	RL	5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	3.99	J	RL	10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1707419-06					
				Sample Name							MTWA0216MC002B					
				Sample Date							2/17/2024 5:31:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.237			0.200	0.0715	1	0.264			0.200	0.0715	1
				ug/m3	0.757			0.639	0.228	1	0.843			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.647			0.200	0.0522	1	0.628			0.200	0.0522	1
				ug/m3	1.53			0.474	0.124	1	1.49			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.140	J	RL	0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.436	J	RL	0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.610			0.200	0.103	1	0.699			0.200	0.103	1
				ug/m3	1.26			0.413	0.213	1	1.44			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID	L1707419-05						L1707419-06					
				Sample Name	MTWA0216MC001B						MTWA0216MC002B					
				Sample Date	2/17/2024 5:16:00 PM						2/17/2024 5:31:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.380			0.200	0.137	1	0.398			0.200	0.137	1
				ug/m3	1.88			0.989	0.678	1	1.97			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	20.4			2.50	0.265	1	16.2			2.50	0.265	1
				ug/m3	38.5			4.71	0.500	1	30.5			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.448			0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	1.94			1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.286			0.200	0.0979	1	0.288			0.200	0.0979	1
				ug/m3	0.993			0.694	0.340	1	1.00			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1707419-06					
				Sample Name							MTWA0216MC002B					
				Sample Date							2/17/2024 5:31:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.715			0.200	0.0503	1	0.780			0.200	0.0503	1
				ug/m3	2.11			0.590	0.148	1	2.30			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	1.47			0.500	0.0870	1	1.20			0.500	0.0870	1
				ug/m3	5.54			1.88	0.328	1	4.52			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1707419-05						L1707419-06					
				Sample Name	MTWA0216MC001B						MTWA0216MC002B					
				Sample Date	2/17/2024 5:16:00 PM						2/17/2024 5:31:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.223			0.200	0.0819	1	0.225			0.200	0.0819	1
				ug/m3	1.25			1.12	0.460	1	1.26			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID							L1707419-08					
				Sample Name							MTWA0216MC004B					
				Sample Date							2/17/2024 5:58:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0826	J	RL	0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.633	J	RL	1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.277			0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	1.36			0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1707419-08					
				Sample Name							MTWA0216MC004B					
				Sample Date							2/17/2024 5:58:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.133	U		0.200	0.133	1	0.133	U		0.200	0.133	1
				ug/m3	0.621	U		0.934	0.621	1	0.621	U		0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.0814	U		1.25	0.0814	1	0.0814	U		1.25	0.0814	1
				ug/m3	0.240	U		3.69	0.240	1	0.240	U		3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.88			1.25	0.264	1	2.11			1.25	0.264	1
				ug/m3	4.62			3.07	0.649	1	5.19			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.276			0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	1.35			0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	3.25			1.25	0.584	1	4.22			1.25	0.584	1
				ug/m3	7.72			2.97	1.39	1	10.0			2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	3.08	J	RL,L+	5.00	0.235	1	5.37	J	L+	5.00	0.235	1
				ug/m3	5.17	J	RL,L+	8.39	0.395	1	9.02	J	L+	8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1707419-08					
				Sample Name							MTWA0216MC004B					
				Sample Date							2/17/2024 5:58:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.241			0.200	0.0715	1	0.499			0.200	0.0715	1
				ug/m3	0.770			0.639	0.228	1	1.59			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.856			0.200	0.0522	1	0.677			0.200	0.0522	1
				ug/m3	2.03			0.474	0.124	1	1.61			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.132	J	RL	0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.411	J	RL	0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0732	U		0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.461	U		1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.0996	U		0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.263	U		0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.684			0.200	0.103	1	0.673			0.200	0.103	1
				ug/m3	1.41			0.413	0.213	1	1.39			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID	L1707419-07						L1707419-08					
				Sample Name	MTWA0216MC003B						MTWA0216MC004B					
				Sample Date	2/17/2024 5:46:00 PM						2/17/2024 5:58:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.407			0.200	0.137	1	0.391			0.200	0.137	1
				ug/m3	2.01			0.989	0.678	1	1.93			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	13.1			2.50	0.265	1	24.7			2.50	0.265	1
				ug/m3	24.7			4.71	0.500	1	46.6			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.280			0.200	0.0835	1	0.265			0.200	0.0835	1
				ug/m3	1.21			0.867	0.362	1	1.15			0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	1.18			0.400	0.135	1	0.689			0.400	0.135	1
				ug/m3	5.12			1.73	0.585	1	2.99			1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.311			0.200	0.0979	1	0.371			0.200	0.0979	1
				ug/m3	1.08			0.694	0.340	1	1.29			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1707419-08					
				Sample Name							MTWA0216MC004B					
				Sample Date							2/17/2024 5:58:00 PM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.708			0.630	0.206	1	0.537	J	RL	0.630	0.206	1
				ug/m3	2.50			2.22	0.726	1	1.89	J	RL	2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.506			0.200	0.0828	1	0.245			0.200	0.0828	1
				ug/m3	2.19			0.867	0.359	1	1.06			0.867	0.359	1
	Pentane	109-66-0	T	ppbv	1.06			0.200	0.0503	1	0.580			0.200	0.0503	1
				ug/m3	3.13			0.590	0.148	1	1.71			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	2.46			0.500	0.0870	1	2.93			0.500	0.0870	1
				ug/m3	9.27			1.88	0.328	1	11.0			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1707419-07						L1707419-08					
				Sample Name	MTWA0216MC003B						MTWA0216MC004B					
				Sample Date	2/17/2024 5:46:00 PM						2/17/2024 5:58:00 PM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.225			0.200	0.0819	1	0.225			0.200	0.0819	1
				ug/m3	1.26			1.12	0.460	1	1.26			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

**Data Validation Report
CTEH
Olympic Pipeline Gasoline Spill
Conway, Washington
Air Samples
CTEH Project Number: 032692
Sample Delivery Group: L1716990
Report Date: April 9, 2024**

This quality assurance (QA) review is based upon an examination of the data generated from the analyses of eight air samples collected on March 9 through 16, 2024, at the Olympic Pipeline Gasoline Spill site in Conway, Washington. These samples were collectively analyzed by Pace Analytical National Center for Testing & Innovation (Pace National) of Mount Juliet, Tennessee, for volatile organic compounds (VOCs) by US EPA Method TO-15.

This QA review was performed in accordance with the Gasoline Release; Mt. Vernon, WA; Preliminary Air Sampling and Analysis Plan (SAP) (CTEH; Version 1.2; January 3, 2024) and the above referenced analytical method. This review was performed with guidance from the National Functional Guidelines for Organic Data Review (US EPA). These validation guidance documents specifically address analyses performed in accordance with the Contract Laboratory Program (CLP) analytical methods and are not completely applicable to the type of analysis and analytical protocols performed for the US EPA method utilized by the laboratories for these samples. Environmental Standards, Inc. (Environmental Standards) used professional judgment to determine the usability of the analytical results and compliance relative to the US EPA method utilized by the laboratory.

Summary

The analytical results and associated laboratory quality control (QC) samples were reviewed to determine the integrity of the reported analytical results and to ensure that the data met the established data quality objectives. This QA review includes all samples in Pace National Sample Delivery Group (SDG) L1716990.

The samples that have undergone Level 2 data validation are listed below:

Sample Identification	Laboratory Sample Identification	Sample Delivery Group	Matrix	Date Sample Collected	Parameter Examined
MTWA0308MC002	L1716990-01	L1716990	Air	3/9/24	VOC
MTWA0309MC002	L1716990-02	L1716990	Air	3/10/24	VOC
MTWA0310MC002	L1716990-03	L1716990	Air	3/11/24	VOC
MTWA0311MC002	L1716990-04	L1716990	Air	3/12/24	VOC
MTWA0312MC002	L1716990-05	L1716990	Air	3/13/24	VOC
MTWA0313MC002	L1716990-06	L1716990	Air	3/14/24	VOC
MTWA0314MC002	L1716990-07	L1716990	Air	3/15/24	VOC
MTWA0315MC002	L1716990-08	L1716990	Air	3/16/24	VOC

Parameter Examined:

VOC - Volatile Organic Compounds by US EPA Method TO-15.



Items Reviewed	
Chain-of-Custody (COC) Record and Case Narrative	Holding Times
Blank Results	Surrogate Recoveries
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Results	Results Reported Between the Method Detection Limit (MDL) and Reporting Limit (RL)

Comment

- Pace National provided the Level 2 laboratory analytical report and electronic data deliverable (EDD) on March 26, 2024.

Based on the items included in this QA review, the following qualifiers are offered.

Analyte	Samples	Validation Qualifier	Reason for Qualification
2-propanol	MTWA0309MC002, MTWA0310MC002, MTWA0312MC002, MTWA0313MC002, MTWA0314MC002, and MTWA0315MC002	U	BL
acetone	all samples	J	L+

- All positive results reported between the MDL and RL should be considered estimated and have been flagged "J" (unless previously flagged "U") on the data tables. (Reason Code RL)

Review performed by:	Kassidy R. Hooper, Quality Assurance Chemist
Review reviewed by:	Abigail P. Bossbaly, Project Quality Assurance Chemist
Review approved by:	Kaitlyn E. Podufalski, Senior Quality Assurance Chemist/Project Manager
Review approved by:	Rock J. Vitale, CEAC, Technical Director of Chemistry/Principal
Date review completed:	4/9/24

ORGANIC DATA QUALIFIERS

- U This result should be considered “not-detected” because it was not detected above the detection limit or it was detected in a field blank or laboratory blank at a similar level.
- R Unreliable positive or non-detect result; analyte may or may not be present in sample.
- J Quantitation is approximate due to limitations identified during data validation.
- UJ This analyte was not detected, but the reporting limit may or may not be higher due to a bias identified during data validation.
- NJ The analysis indicates the presence of a compound that has been “tentatively identified” and the associated numerical value represents its approximate concentration.



REASON CODES AND EXPLANATIONS

Reason Code	Explanation
BE	Equipment blank contamination. The result should be considered "not-detected."
BF	Field blank contamination. The result should be considered "not-detected."
BL	Laboratory blank contamination. The result should be considered "not-detected."
BN	Negative laboratory blank contamination.
BT	Trip blank contamination. The result should be considered "not-detected."
C	Initial and/or continuing calibration issue, indeterminate bias.
C+	Initial and/or continuing calibration issue. The result may be biased high.
C-	Initial and/or continuing calibration issue. The result may be biased low.
E	Result exceeds linear calibration range.
FD	Field duplicate imprecision.
FG	Total versus dissolved imprecision.
H	Holding time exceeded.
I	Internal standard recovery outside of acceptance limits.
L	LCS and LCSD recoveries outside of acceptance limits, indeterminate bias.
L+	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased high.
L-	LCS and/or LCSD recoveries outside of acceptance limits. The result may be biased low.
LD	Laboratory duplicate imprecision.
LP	LCS/LCSD imprecision.
M	MS and MSD recoveries outside of acceptance limits, indeterminate bias.
M+	MS and/or MSD recoveries outside of acceptance limits. The result may be biased high.
M-	MS and/or MSD recoveries outside of acceptance limits. The result may be biased low.
MP	MS/MSD imprecision.
P	Post-digestion spike recoveries outside of acceptance limits, indeterminate bias.
P+	Post-digestion spike recovery outside of acceptance limits. The result may be biased high.
P-	Post-digestion spike recovery outside of acceptance limits. The result may be biased low.
Q	Chemical preservation issue.
R	RL standards outside of acceptance limits, indeterminate bias.
R+	RL standard(s) outside of acceptance limits. The result may be biased high.
R-	RL standard(s) outside of acceptance limits. The result may be biased low.
RL	Result reported between the method detection limit and the reporting limit.
T	Temperature preservation issue.
TIC	Tentatively identified compound.
S+	Surrogate outside of acceptance limits. The result may be biased high.
S-	Surrogate outside of acceptance limits. The result may be biased low.
SD	Serial dilution imprecision.
X	Percent solids < 50%.
Z	ICP or ICP/MS interference.
ZZ	Other.

SECTION 2

ANALYTICAL RESULTS

				Lab Sample ID	L1716990-01						L1716990-02					
				Sample Name	MTWA0308MC002						MTWA0309MC002					
				Sample Date	3/9/2024 9:30:00 AM						3/10/2024 9:30:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0858	J	RL	0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.658	J	RL	1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1716990-02					
				Sample Name							MTWA0309MC002					
				Sample Date							3/10/2024 9:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.150	J	RL	0.200	0.133	1	0.147	J	RL	0.200	0.133	1
				ug/m3	0.701	J	RL	0.934	0.621	1	0.687	J	RL	0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.710	J	RL	1.25	0.0814	1	0.641	J	RL	1.25	0.0814	1
				ug/m3	2.09	J	RL	3.69	0.240	1	1.89	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	3.50			1.25	0.264	1	1.93	U	BL	1.93	1.93	1
				ug/m3	8.60			3.07	0.649	1	4.74	U	BL	4.74	4.74	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	13.0	J	L+	1.25	0.584	1	17.4	J	L+	1.25	0.584	1
				ug/m3	30.9	J	L+	2.97	1.39	1	41.3	J	L+	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	1.38	J	RL	5.00	0.235	1	1.33	J	RL	5.00	0.235	1
				ug/m3	2.32	J	RL	8.39	0.395	1	2.23	J	RL	8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1716990-01					
				Sample Name							MTWA0308MC002					
				Sample Date							3/9/2024 9:30:00 AM					
				Sample Type							TRG					
				% Moisture												
											L1716990-02					

				Lab Sample ID							L1716990-02					
				Sample Name							MTWA0309MC002					
				Sample Date							3/10/2024 9:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.477			0.200	0.137	1	0.478			0.200	0.137	1
				ug/m3	2.36			0.989	0.678	1	2.36			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	31.8			2.50	0.265	1	14.5			2.50	0.265	1
				ug/m3	60.0			4.71	0.500	1	27.3			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.164	J	RL	0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.671	J	RL	0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.154	J	RL	0.400	0.135	1	0.144	J	RL	0.400	0.135	1
				ug/m3	0.668	J	RL	1.73	0.585	1	0.624	J	RL	1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.514			0.200	0.0979	1	0.197	J	RL	0.200	0.0979	1
				ug/m3	1.78			0.694	0.340	1	0.684	J	RL	0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				Lab Sample ID							L1716990-02					
				Sample Name							MTWA0309MC002					
				Sample Date							3/10/2024 9:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0865	J	RL	0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.375	J	RL	0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.765			0.200	0.0503	1	0.0503	U		0.200	0.0503	1
				ug/m3	2.26			0.590	0.148	1	0.148	U		0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	1.84			0.500	0.0870	1	1.55			0.500	0.0870	1
				ug/m3	6.93			1.88	0.328	1	5.84			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1716990-01						L1716990-02					
				Sample Name	MTWA0308MC002						MTWA0309MC002					
				Sample Date	3/9/2024 9:30:00 AM						3/10/2024 9:30:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.221			0.200	0.0819	1	0.219			0.200	0.0819	1
				ug/m3	1.24			1.12	0.460	1	1.23			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1716990-03						L1716990-04					
				Sample Name	MTWA0310MC002						MTWA0311MC002					
				Sample Date	3/11/2024 9:30:00 AM						3/12/2024 9:30:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0796	J	RL	0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.610	J	RL	1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1716990-04					
				Sample Name							MTWA0311MC002					
				Sample Date							3/11/2024 9:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.177	J	RL	0.200	0.133	1	0.144	J	RL	0.200	0.133	1
				ug/m3	0.827	J	RL	0.934	0.621	1	0.673	J	RL	0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.537	J	RL	1.25	0.0814	1	0.296	J	RL	1.25	0.0814	1
				ug/m3	1.58	J	RL	3.69	0.240	1	0.873	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	1.02	U	BL	1.25	1.02	1	3.18			1.25	0.264	1
				ug/m3	2.51	U	BL	3.07	2.51	1	7.82			3.07	0.649	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	8.74	J	L+	1.25	0.584	1	4.27	J	L+	1.25	0.584	1
				ug/m3	20.8	J	L+	2.97	1.39	1	10.1	J	L+	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	0.235	U		5.00	0.235	1	4.45	J	RL	5.00	0.235	1
				ug/m3	0.395	U		8.39	0.395	1	7.47	J	RL	8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID							L1716990-03					
				Sample Name							MTWA0310MC002					
				Sample Date							3/11/2024 9:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.282			0.200	0.0715	1	0.137	J	RL	0.200	0.0715	1
				ug/m3	0.901			0.639	0.228	1	0.438	J	RL	0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.459			0.200	0.0522	1	0.626			0.200	0.0522	1
				ug/m3	1.09			0.474	0.124	1	1.48			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.138	J	RL	0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.430	J	RL	0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0855	J	RL	0.200	0.0732	1	0.0732	U		0.200	0.0732	1
				ug/m3	0.539	J	RL	1.26	0.461	1	0.461	U		1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.404			0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	1.07			0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.774			0.200	0.103	1	0.712			0.200	0.103	1
				ug/m3	1.60			0.413	0.213	1	1.47			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1716990-04					
				Sample Name							MTWA0311MC002					
				Sample Date							3/12/2024 9:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.499			0.200	0.137	1	0.501			0.200	0.137	1
				ug/m3	2.47			0.989	0.678	1	2.48			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	18.0			2.50	0.265	1	21.3			2.50	0.265	1
				ug/m3	33.9			4.71	0.500	1	40.2			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.104	U		0.200	0.104	1	0.104	U		0.200	0.104	1
				ug/m3	0.425	U		0.818	0.425	1	0.425	U		0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.135	U		0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.585	U		1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.203			0.200	0.0979	1	0.271			0.200	0.0979	1
				ug/m3	0.705			0.694	0.340	1	0.941			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				L1716990-03							L1716990-04					
				Sample Name							MTWA0310MC002					
				Sample Date							3/12/2024 9:30:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.0503	U		0.200	0.0503	1	0.271			0.200	0.0503	1
				ug/m3	0.148	U		0.590	0.148	1	0.800			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	1.09			0.500	0.0870	1	0.181	J	RL	0.500	0.0870	1
				ug/m3	4.11			1.88	0.328	1	0.682	J	RL	1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1716990-03						L1716990-04					
				Sample Name	MTWA0310MC002						MTWA0311MC002					
				Sample Date	3/11/2024 9:30:00 AM						3/12/2024 9:30:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.230			0.200	0.0819	1	0.208			0.200	0.0819	1
				ug/m3	1.29			1.12	0.460	1	1.17			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1716990-05						L1716990-06					
				Sample Name	MTWA0312MC002						MTWA0313MC002					
				Sample Date	3/13/2024 9:24:00 AM						3/14/2024 9:20:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0793	U		0.200	0.0793	1	0.0793	U		0.200	0.0793	1
				ug/m3	0.608	U		1.53	0.608	1	0.608	U		1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1716990-06					
				Sample Name							MTWA0313MC002					
				Sample Date							3/14/2024 9:20:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.167	J	RL	0.200	0.133	1	0.168	J	RL	0.200	0.133	1
				ug/m3	0.780	J	RL	0.934	0.621	1	0.785	J	RL	0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.490	J	RL	1.25	0.0814	1	1.22	J	RL	1.25	0.0814	1
				ug/m3	1.44	J	RL	3.69	0.240	1	3.60	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	2.23	U	BL	2.23	2.23	1	1.75	U	BL	1.75	1.75	1
				ug/m3	5.48	U	BL	5.48	5.48	1	4.30	U	BL	4.30	4.30	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	5.19	J	L+	1.25	0.584	1	11.9	J	L+	1.25	0.584	1
				ug/m3	12.3	J	L+	2.97	1.39	1	28.3	J	L+	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	3.88	J	RL	5.00	0.235	1	3.90	J	RL	5.00	0.235	1
				ug/m3	6.51	J	RL	8.39	0.395	1	6.55	J	RL	8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	0.226	U		5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	0.490	U		10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID	L1716990-05						L1716990-06					
				Sample Name	MTWA0312MC002						MTWA0313MC002					
				Sample Date	3/13/2024 9:24:00 AM						3/14/2024 9:20:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.326			0.200	0.0715	1	0.323			0.200	0.0715	1
				ug/m3	1.04			0.639	0.228	1	1.03			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	0.454			0.200	0.0522	1	0.578			0.200	0.0522	1
				ug/m3	1.08			0.474	0.124	1	1.37			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.106	J	RL	0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.330	J	RL	0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0823	J	RL	0.200	0.0732	1	0.0818	J	RL	0.200	0.0732	1
				ug/m3	0.518	J	RL	1.26	0.461	1	0.515	J	RL	1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.385			0.200	0.0996	1	0.300			0.200	0.0996	1
				ug/m3	1.02			0.528	0.263	1	0.791			0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.872			0.200	0.103	1	0.756			0.200	0.103	1
				ug/m3	1.80			0.413	0.213	1	1.56			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID							L1716990-05					
				Sample Name							MTWA0312MC002					
				Sample Date							3/13/2024 9:24:00 AM					
				Sample Type							TRG					
				% Moisture												
											L1716990-06					

				Lab Sample ID							L1716990-06					
				Sample Name							MTWA0313MC002					
				Sample Date							3/14/2024 9:20:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.206	U		0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.726	U		2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.359	U		0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.302			0.200	0.0503	1	0.407			0.200	0.0503	1
				ug/m3	0.891			0.590	0.148	1	1.20			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	1.47			0.500	0.0870	1	2.33			0.500	0.0870	1
				ug/m3	5.54			1.88	0.328	1	8.78			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1716990-05						L1716990-06					
				Sample Name	MTWA0312MC002						MTWA0313MC002					
				Sample Date	3/13/2024 9:24:00 AM						3/14/2024 9:20:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.218			0.200	0.0819	1	0.201			0.200	0.0819	1
				ug/m3	1.23			1.12	0.460	1	1.13			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1

				Lab Sample ID	L1716990-07						L1716990-08					
				Sample Name	MTWA0314MC002						MTWA0315MC002					
				Sample Date	3/15/2024 9:54:00 AM						3/16/2024 9:40:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,1,1-Trichloroethane	71-55-6	T	ppbv	0.0736	U		0.200	0.0736	1	0.0736	U		0.200	0.0736	1
				ug/m3	0.400	U		1.09	0.400	1	0.400	U		1.09	0.400	1
	1,1,2,2-Tetrachloroethane	79-34-5	T	ppbv	0.0743	U		0.200	0.0743	1	0.0743	U		0.200	0.0743	1
				ug/m3	0.511	U		1.37	0.511	1	0.511	U		1.37	0.511	1
	1,1,2-Trichloroethane	79-00-5	T	ppbv	0.0775	U		0.200	0.0775	1	0.0775	U		0.200	0.0775	1
				ug/m3	0.422	U		1.09	0.422	1	0.422	U		1.09	0.422	1
	1,1,2-Trichlorotrifluoroethane	76-13-1	T	ppbv	0.0833	J	RL	0.200	0.0793	1	0.0913	J	RL	0.200	0.0793	1
				ug/m3	0.638	J	RL	1.53	0.608	1	0.700	J	RL	1.53	0.608	1
	1,1-Dichloroethane	75-34-3	T	ppbv	0.0723	U		0.200	0.0723	1	0.0723	U		0.200	0.0723	1
				ug/m3	0.290	U		0.802	0.290	1	0.290	U		0.802	0.290	1
	1,1-Dichloroethene	75-35-4	T	ppbv	0.0762	U		0.200	0.0762	1	0.0762	U		0.200	0.0762	1
				ug/m3	0.302	U		0.793	0.302	1	0.302	U		0.793	0.302	1
	1,2,4-Trichlorobenzene	120-82-1	T	ppbv	0.148	U		0.630	0.148	1	0.148	U		0.630	0.148	1
				ug/m3	1.10	U		4.66	1.10	1	1.10	U		4.66	1.10	1
	1,2,4-Trimethylbenzene	95-63-6	T	ppbv	0.0764	U		0.200	0.0764	1	0.0764	U		0.200	0.0764	1
				ug/m3	0.375	U		0.982	0.375	1	0.375	U		0.982	0.375	1
	1,2-Dibromoethane	106-93-4	T	ppbv	0.0721	U		0.200	0.0721	1	0.0721	U		0.200	0.0721	1
				ug/m3	0.554	U		1.54	0.554	1	0.554	U		1.54	0.554	1
	1,2-Dichlorobenzene	95-50-1	T	ppbv	0.128	U		0.200	0.128	1	0.128	U		0.200	0.128	1
				ug/m3	0.770	U		1.20	0.770	1	0.770	U		1.20	0.770	1
	1,2-Dichloroethane	107-06-2	T	ppbv	0.0700	U		0.200	0.0700	1	0.0700	U		0.200	0.0700	1
				ug/m3	0.283	U		0.810	0.283	1	0.283	U		0.810	0.283	1
	1,2-Dichloropropane	78-87-5	T	ppbv	0.0760	U		0.200	0.0760	1	0.0760	U		0.200	0.0760	1
				ug/m3	0.351	U		0.924	0.351	1	0.351	U		0.924	0.351	1
	1,2-Dichlorotetrafluoroethane	76-14-2	T	ppbv	0.0890	U		0.200	0.0890	1	0.0890	U		0.200	0.0890	1
				ug/m3	0.622	U		1.40	0.622	1	0.622	U		1.40	0.622	1
	1,3,5-Trimethylbenzene	108-67-8	T	ppbv	0.0779	U		0.200	0.0779	1	0.0779	U		0.200	0.0779	1
				ug/m3	0.382	U		0.982	0.382	1	0.382	U		0.982	0.382	1

				Lab Sample ID							L1716990-08					
				Sample Name							MTWA0315MC002					
				Sample Date							3/16/2024 9:40:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	1,3-Butadiene	106-99-0	T	ppbv	0.104	U		2.00	0.104	1	0.104	U		2.00	0.104	1
				ug/m3	0.230	U		4.43	0.230	1	0.230	U		4.43	0.230	1
	1,3-Dichlorobenzene	541-73-1	T	ppbv	0.182	U		0.200	0.182	1	0.182	U		0.200	0.182	1
				ug/m3	1.09	U		1.20	1.09	1	1.09	U		1.20	1.09	1
	1,4-Dichlorobenzene	106-46-7	T	ppbv	0.0557	U		0.200	0.0557	1	0.0557	U		0.200	0.0557	1
				ug/m3	0.335	U		1.20	0.335	1	0.335	U		1.20	0.335	1
	1,4-Dioxane	123-91-1	T	ppbv	0.0833	U		0.630	0.0833	1	0.0833	U		0.630	0.0833	1
				ug/m3	0.300	U		2.27	0.300	1	0.300	U		2.27	0.300	1
	2,2,4-Trimethylpentane	540-84-1	T	ppbv	0.211			0.200	0.133	1	0.207			0.200	0.133	1
				ug/m3	0.986			0.934	0.621	1	0.967			0.934	0.621	1
	2-Butanone (MEK)	78-93-3	T	ppbv	0.830	J	RL	1.25	0.0814	1	0.400	J	RL	1.25	0.0814	1
				ug/m3	2.45	J	RL	3.69	0.240	1	1.18	J	RL	3.69	0.240	1
	2-Chlorotoluene	95-49-8	T	ppbv	0.0828	U		0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.427	U		1.03	0.427	1	0.427	U		1.03	0.427	1
	2-Propanol	67-63-0	T	ppbv	2.31	U	BL	2.31	2.31	1	2.20	U	BL	2.20	2.20	1
				ug/m3	5.68	U	BL	5.68	5.68	1	5.41	U	BL	5.41	5.41	1
	4-Ethyltoluene	622-96-8	T	ppbv	0.0783	U		0.200	0.0783	1	0.0783	U		0.200	0.0783	1
				ug/m3	0.384	U		0.982	0.384	1	0.384	U		0.982	0.384	1
	4-Methyl-2-pentanone (MIBK)	108-10-1	T	ppbv	0.0765	U		1.25	0.0765	1	0.0765	U		1.25	0.0765	1
				ug/m3	0.313	U		5.12	0.313	1	0.313	U		5.12	0.313	1
	Acetone	67-64-1	T	ppbv	11.7	J	L+	1.25	0.584	1	3.97	J	L+	1.25	0.584	1
				ug/m3	27.8	J	L+	2.97	1.39	1	9.43	J	L+	2.97	1.39	1
	Acetonitrile	75-05-8	T	ppbv	2.10	J	RL	5.00	0.235	1	4.56	J	RL	5.00	0.235	1
				ug/m3	3.53	J	RL	8.39	0.395	1	7.66	J	RL	8.39	0.395	1
	Acrylonitrile	107-13-1	T	ppbv	15.8			5.00	0.226	1	0.226	U		5.00	0.226	1
				ug/m3	34.2			10.8	0.490	1	0.490	U		10.8	0.490	1
	Allyl chloride	107-05-1	T	ppbv	0.114	U		0.200	0.114	1	0.114	U		0.200	0.114	1
				ug/m3	0.357	U		0.626	0.357	1	0.357	U		0.626	0.357	1

				Lab Sample ID	L1716990-07						L1716990-08					
				Sample Name	MTWA0314MC002						MTWA0315MC002					
				Sample Date	3/15/2024 9:54:00 AM						3/16/2024 9:40:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Benzene	71-43-2	T	ppbv	0.353			0.200	0.0715	1	0.238			0.200	0.0715	1
				ug/m3	1.13			0.639	0.228	1	0.760			0.639	0.228	1
	Benzyl Chloride	100-44-7	T	ppbv	0.0598	U		0.200	0.0598	1	0.0598	U		0.200	0.0598	1
				ug/m3	0.311	U		1.04	0.311	1	0.311	U		1.04	0.311	1
	Bromodichloromethane	75-27-4	T	ppbv	0.0702	U		0.200	0.0702	1	0.0702	U		0.200	0.0702	1
				ug/m3	0.471	U		1.34	0.471	1	0.471	U		1.34	0.471	1
	Bromoethane	74-96-4	T	ppbv	0.216	U		5.00	0.216	1	0.216	U		5.00	0.216	1
				ug/m3	0.963	U		22.3	0.963	1	0.963	U		22.3	0.963	1
	Bromoform	75-25-2	T	ppbv	0.0732	U		0.600	0.0732	1	0.0732	U		0.600	0.0732	1
				ug/m3	0.757	U		6.21	0.757	1	0.757	U		6.21	0.757	1
	Bromomethane	74-83-9	T	ppbv	0.0982	U		0.200	0.0982	1	0.0982	U		0.200	0.0982	1
				ug/m3	0.381	U		0.776	0.381	1	0.381	U		0.776	0.381	1
	Butane	106-97-8	T	ppbv	1.15			0.200	0.0522	1	1.05			0.200	0.0522	1
				ug/m3	2.73			0.474	0.124	1	2.49			0.474	0.124	1
	Carbon disulfide	75-15-0	T	ppbv	0.102	U		0.200	0.102	1	0.102	U		0.200	0.102	1
				ug/m3	0.317	U		0.622	0.317	1	0.317	U		0.622	0.317	1
	Carbon tetrachloride	56-23-5	T	ppbv	0.0781	J	RL	0.200	0.0732	1	0.0806	J	RL	0.200	0.0732	1
				ug/m3	0.492	J	RL	1.26	0.461	1	0.508	J	RL	1.26	0.461	1
	Chlorobenzene	108-90-7	T	ppbv	0.0832	U		0.200	0.0832	1	0.0832	U		0.200	0.0832	1
				ug/m3	0.385	U		0.924	0.385	1	0.385	U		0.924	0.385	1
	Chloroethane	75-00-3	T	ppbv	0.141	J	RL	0.200	0.0996	1	0.0996	U		0.200	0.0996	1
				ug/m3	0.372	J	RL	0.528	0.263	1	0.263	U		0.528	0.263	1
	Chloroform	67-66-3	T	ppbv	0.0717	U		0.200	0.0717	1	0.0717	U		0.200	0.0717	1
				ug/m3	0.349	U		0.973	0.349	1	0.349	U		0.973	0.349	1
	Chloromethane	74-87-3	T	ppbv	0.700			0.200	0.103	1	0.671			0.200	0.103	1
				ug/m3	1.45			0.413	0.213	1	1.39			0.413	0.213	1
	cis-1,2-Dichloroethene	156-59-2	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.311	U		0.793	0.311	1	0.311	U		0.793	0.311	1

				Lab Sample ID	L1716990-07						L1716990-08					
				Sample Name	MTWA0314MC002						MTWA0315MC002					
				Sample Date	3/15/2024 9:54:00 AM						3/16/2024 9:40:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	cis-1,3-Dichloropropene	10061-01-5	T	ppbv	0.0689	U		0.200	0.0689	1	0.0689	U		0.200	0.0689	1
				ug/m3	0.313	U		0.908	0.313	1	0.313	U		0.908	0.313	1
	Cyclohexane	110-82-7	T	ppbv	0.0753	U		0.200	0.0753	1	0.0753	U		0.200	0.0753	1
				ug/m3	0.259	U		0.689	0.259	1	0.259	U		0.689	0.259	1
	Dibromochloromethane	124-48-1	T	ppbv	0.0727	U		0.200	0.0727	1	0.0727	U		0.200	0.0727	1
				ug/m3	0.618	U		1.70	0.618	1	0.618	U		1.70	0.618	1
	Dichlorodifluoromethane	75-71-8	T	ppbv	0.506			0.200	0.137	1	0.507			0.200	0.137	1
				ug/m3	2.50			0.989	0.678	1	2.51			0.989	0.678	1
	Ethanol	64-17-5	T	ppbv	54.2			2.50	0.265	1	16.3			2.50	0.265	1
				ug/m3	102			4.71	0.500	1	30.7			4.71	0.500	1
	Ethylbenzene	100-41-4	T	ppbv	0.0835	U		0.200	0.0835	1	0.0835	U		0.200	0.0835	1
				ug/m3	0.362	U		0.867	0.362	1	0.362	U		0.867	0.362	1
	Heptane	142-82-5	T	ppbv	0.143	J	RL	0.200	0.104	1	0.144	J	RL	0.200	0.104	1
				ug/m3	0.585	J	RL	0.818	0.425	1	0.589	J	RL	0.818	0.425	1
	Hexachloro-1,3-butadiene	87-68-3	T	ppbv	0.105	U		0.630	0.105	1	0.105	U		0.630	0.105	1
				ug/m3	1.12	U		6.73	1.12	1	1.12	U		6.73	1.12	1
	Isopropylbenzene	98-82-8	T	ppbv	0.0777	U		0.200	0.0777	1	0.0777	U		0.200	0.0777	1
				ug/m3	0.382	U		0.983	0.382	1	0.382	U		0.983	0.382	1
	m&p-Xylene	179601-23-1	T	ppbv	0.135	U		0.400	0.135	1	0.142	J	RL	0.400	0.135	1
				ug/m3	0.585	U		1.73	0.585	1	0.616	J	RL	1.73	0.585	1
	Methyl Butyl Ketone	591-78-6	T	ppbv	0.133	U		1.25	0.133	1	0.133	U		1.25	0.133	1
				ug/m3	0.544	U		5.11	0.544	1	0.544	U		5.11	0.544	1
	Methyl methacrylate	80-62-6	T	ppbv	0.0876	U		0.200	0.0876	1	0.0876	U		0.200	0.0876	1
				ug/m3	0.359	U		0.819	0.359	1	0.359	U		0.819	0.359	1
	Methylene Chloride	75-09-2	T	ppbv	0.221			0.200	0.0979	1	0.266			0.200	0.0979	1
				ug/m3	0.767			0.694	0.340	1	0.924			0.694	0.340	1
	MTBE	1634-04-4	T	ppbv	0.0647	U		0.200	0.0647	1	0.0647	U		0.200	0.0647	1
				ug/m3	0.233	U		0.721	0.233	1	0.233	U		0.721	0.233	1

				L1716990-07							L1716990-08					
				Sample Name							MTWA0314MC002					
				Sample Date							3/16/2024 9:40:00 AM					
				Sample Type							TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Naphthalene	91-20-3	T	ppbv	0.350	U		0.630	0.350	1	0.350	U		0.630	0.350	1
				ug/m3	1.83	U		3.30	1.83	1	1.83	U		3.30	1.83	1
	n-Decane	124-18-5	T	ppbv	0.0784	U		0.200	0.0784	1	0.0784	U		0.200	0.0784	1
				ug/m3	0.456	U		1.16	0.456	1	0.456	U		1.16	0.456	1
	n-Hexane	110-54-3	T	ppbv	0.206	U		0.630	0.206	1	0.222	J	RL	0.630	0.206	1
				ug/m3	0.726	U		2.22	0.726	1	0.783	J	RL	2.22	0.726	1
	Nonane	111-84-2	T	ppbv	0.0363	U		0.200	0.0363	1	0.0363	U		0.200	0.0363	1
				ug/m3	0.190	U		1.05	0.190	1	0.190	U		1.05	0.190	1
	o-Xylene	95-47-6	T	ppbv	0.0908	J	RL	0.200	0.0828	1	0.0828	U		0.200	0.0828	1
				ug/m3	0.394	J	RL	0.867	0.359	1	0.359	U		0.867	0.359	1
	Pentane	109-66-0	T	ppbv	0.706			0.200	0.0503	1	0.547			0.200	0.0503	1
				ug/m3	2.08			0.590	0.148	1	1.61			0.590	0.148	1
	Propene	115-07-1	T	ppbv	0.0932	U		1.25	0.0932	1	0.0932	U		1.25	0.0932	1
				ug/m3	0.160	U		2.15	0.160	1	0.160	U		2.15	0.160	1
	Styrene	100-42-5	T	ppbv	0.0788	U		0.200	0.0788	1	0.0788	U		0.200	0.0788	1
				ug/m3	0.335	U		0.851	0.335	1	0.335	U		0.851	0.335	1
	Tetrachloroethylene	127-18-4	T	ppbv	0.0814	U		0.200	0.0814	1	0.0814	U		0.200	0.0814	1
				ug/m3	0.553	U		1.36	0.553	1	0.553	U		1.36	0.553	1
	Tetrahydrofuran	109-99-9	T	ppbv	0.0734	U		0.200	0.0734	1	0.0734	U		0.200	0.0734	1
				ug/m3	0.216	U		0.590	0.216	1	0.216	U		0.590	0.216	1
	Toluene	108-88-3	T	ppbv	2.84			0.500	0.0870	1	0.967			0.500	0.0870	1
				ug/m3	10.7			1.88	0.328	1	3.64			1.88	0.328	1
	trans-1,2-Dichloroethene	156-60-5	T	ppbv	0.0673	U		0.200	0.0673	1	0.0673	U		0.200	0.0673	1
				ug/m3	0.267	U		0.793	0.267	1	0.267	U		0.793	0.267	1
	trans-1,3-Dichloropropene	10061-02-6	T	ppbv	0.0728	U		0.200	0.0728	1	0.0728	U		0.200	0.0728	1
				ug/m3	0.331	U		0.908	0.331	1	0.331	U		0.908	0.331	1
	Trichloroethylene	79-01-6	T	ppbv	0.0680	U		0.200	0.0680	1	0.0680	U		0.200	0.0680	1
				ug/m3	0.364	U		1.07	0.364	1	0.364	U		1.07	0.364	1

				Lab Sample ID	L1716990-07						L1716990-08					
				Sample Name	MTWA0314MC002						MTWA0315MC002					
				Sample Date	3/15/2024 9:54:00 AM						3/16/2024 9:40:00 AM					
				Sample Type	TRG						TRG					
				% Moisture												
Analytic Method	Chemical Name	CAS Rn	Fraction	Result Unit	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF	Result	Qualifier	Reason Code	Reporting Limit	MDL	DF
TO-15	Trichlorofluoromethane	75-69-4	T	ppbv	0.219			0.200	0.0819	1	0.205			0.200	0.0819	1
				ug/m3	1.23			1.12	0.460	1	1.15			1.12	0.460	1
	Vinyl acetate	108-05-4	T	ppbv	0.116	U		0.630	0.116	1	0.116	U		0.630	0.116	1
				ug/m3	0.408	U		2.22	0.408	1	0.408	U		2.22	0.408	1
	Vinyl Bromide	593-60-2	T	ppbv	0.0852	U		0.200	0.0852	1	0.0852	U		0.200	0.0852	1
				ug/m3	0.373	U		0.875	0.373	1	0.373	U		0.875	0.373	1
	Vinyl chloride	75-01-4	T	ppbv	0.0949	U		0.200	0.0949	1	0.0949	U		0.200	0.0949	1
				ug/m3	0.243	U		0.511	0.243	1	0.243	U		0.511	0.243	1