ANALYTICAL REPORT

June 04, 2025

Revised Report

Pace Analytical Services, LLC
2025.06.13 21:30:12 -05'00'
Document is certified

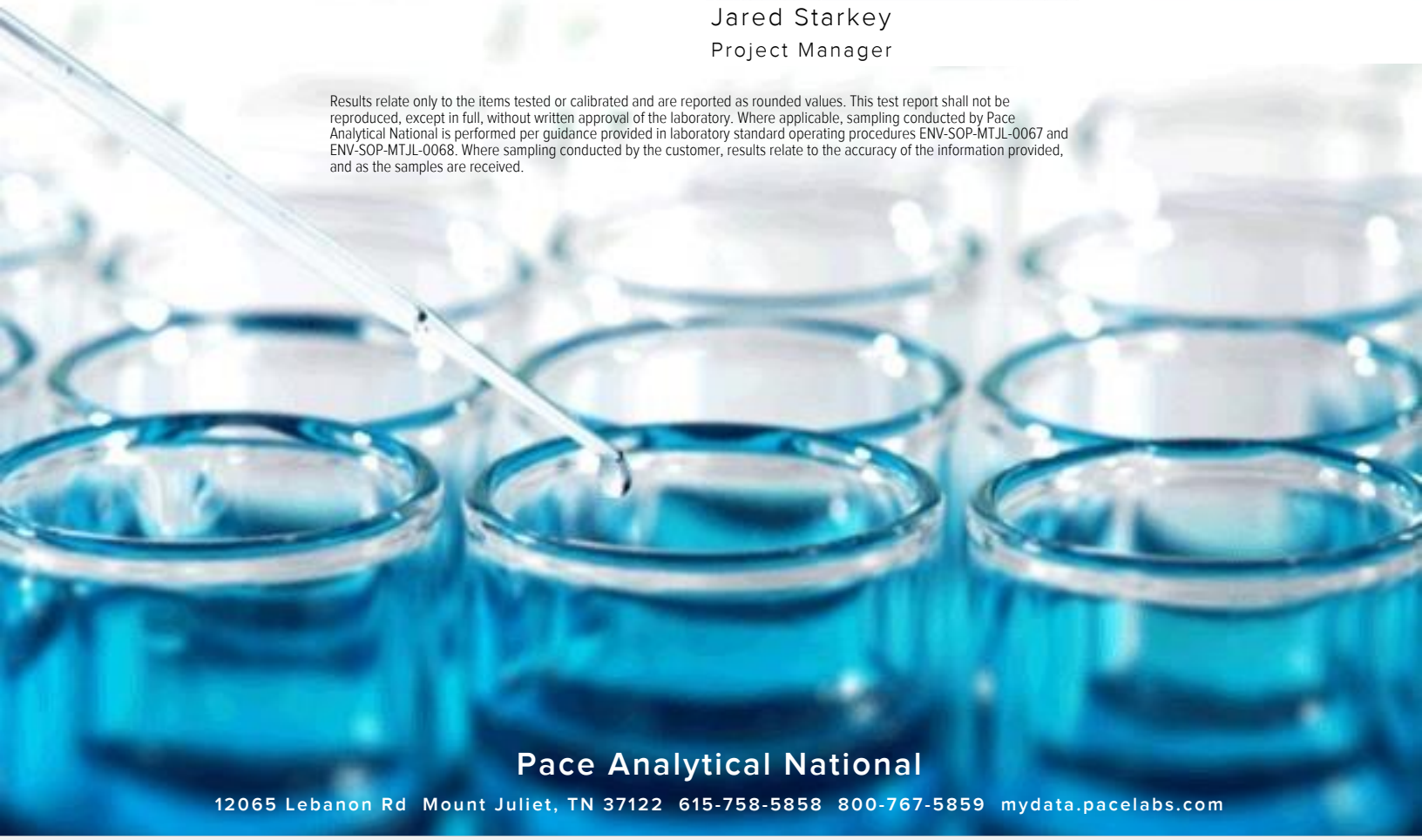
CTEH - ER

Sample Delivery Group:	L1845751
Samples Received:	04/10/2025
Project Number:	054017
Description:	Bishop Loss of Containment Incident
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 mydata.pacelabs.com

TABLE OF CONTENTS

SAMPLE SUMMARY

GACO0407MC01 L1845751-01

Collected by: LL | Collected date/time: 04/08/25 13:20 | Received date/time: 04/10/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2487232	1	04/10/25 11:28	04/10/25 11:28	CRT	Mt. Juliet, TN

GACO0407MC02 L1845751-02

Collected by: LL | Collected date/time: 04/08/25 14:00 | Received date/time: 04/10/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2487232	1	04/10/25 12:03	04/10/25 12:03	CRT	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2487495	10	04/10/25 14:43	04/10/25 14:43	DAH	Mt. Juliet, TN

GACO0407MC03 L1845751-03

Collected by: LL | Collected date/time: 04/08/25 14:50 | Received date/time: 04/10/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2487232	1	04/10/25 12:35	04/10/25 12:35	CRT	Mt. Juliet, TN

GACO0407MC04 L1845751-04

Collected by: LL | Collected date/time: 04/08/25 15:15 | Received date/time: 04/10/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2487232	1	04/10/25 13:08	04/10/25 13:08	CRT	Mt. Juliet, TN

GACO0407MC05 L1845751-05

Collected by: LL | Collected date/time: 04/08/25 15:35 | Received date/time: 04/10/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2487232	1	04/10/25 13:39	04/10/25 13:39	DAH	Mt. Juliet, TN

GACO0407MC06 L1845751-06

Collected by: LL | Collected date/time: 04/09/25 00:07 | Received date/time: 04/10/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2487232	1	04/10/25 14:09	04/10/25 14:09	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

Report Revision History

Level II Report - Version 1: 04/10/25 17:33
Level II Report - Version 2: 04/10/25 18:47
Level II Report - Version 3: 04/22/25 09:17
Level II Report - Version 4: 06/04/25 13:26

Project Comments

L1845751-02 Pressure at client end - 7" Hg & pressure received at our lab -12"Hg.
L1845751-03 Pressure at client end - 4" Hg & pressure received at our lab -9"Hg.
L1845751-04 Pressure at client end - 6" Hg & pressure received at our lab -11"Hg.
L1845751-05 Pressure at client end - 4" Hg & pressure received at our lab -10"Hg.
L1845751-06 Pressure at client end - 1" Hg & pressure received at our lab -6"Hg.

Collection date correction. -06

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	0.520	1.25	2.97	8.41	20.0		1	WG2487232
Acetonitrile	75-05-8	41.05	0.418	5.00	8.39	4.32	7.25	J	1	WG2487232
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2487232
Allyl chloride	107-05-1	76.53	0.186	0.200	0.626	U	U		1	WG2487232
Benzene	71-43-2	78.10	0.110	0.200	0.639	1.59	5.08		1	WG2487232
Benzyl Chloride	100-44-7	127	0.0888	0.200	1.04	U	U		1	WG2487232
Bromodichloromethane	75-27-4	164	0.0695	0.200	1.34	U	U		1	WG2487232
Bromoform	75-25-2	253	0.0755	0.630	6.52	U	U		1	WG2487232
Bromomethane	74-83-9	94.90	0.0938	0.200	0.776	U	U		1	WG2487232
Bromoethane	74-96-4	108.97	0.0802	5.00	22.3	U	U		1	WG2487232
1,3-Butadiene	106-99-0	54.10	0.158	2.00	4.43	U	U		1	WG2487232
Butane	106-97-8	58	0.270	0.400	0.949	27.7	65.7		1	WG2487232
Carbon disulfide	75-15-0	76.10	0.160	0.400	1.24	U	U		1	WG2487232
Carbon tetrachloride	56-23-5	154	0.0746	0.200	1.26	0.0823	0.518	J	1	WG2487232
Chlorobenzene	108-90-7	113	0.118	0.200	0.924	U	U		1	WG2487232
Chloroethane	75-00-3	64.50	0.110	0.200	0.528	U	U		1	WG2487232
Chloroform	67-66-3	119	0.104	0.200	0.973	U	U		1	WG2487232
Chloromethane	74-87-3	50.50	0.110	0.200	0.413	0.523	1.08		1	WG2487232
2-Chlorotoluene	95-49-8	126	0.0787	0.200	1.03	U	U		1	WG2487232
Cyclohexane	110-82-7	84.20	0.170	0.200	0.689	3.87	13.3		1	WG2487232
n-Decane	124-18-5	142.28	0.0971	0.200	1.16	2.08	12.1		1	WG2487232
Dibromochloromethane	124-48-1	208	0.0696	0.200	1.70	U	U		1	WG2487232
1,2-Dibromoethane	106-93-4	188	0.0690	0.200	1.54	U	U		1	WG2487232
1,2-Dichlorobenzene	95-50-1	147	0.0734	0.200	1.20	U	U		1	WG2487232
1,3-Dichlorobenzene	541-73-1	147	0.0753	0.200	1.20	U	U		1	WG2487232
1,4-Dichlorobenzene	106-46-7	147	0.0768	0.200	1.20	U	U		1	WG2487232
1,2-Dichloroethane	107-06-2	99	0.0730	0.200	0.810	U	U		1	WG2487232
1,1-Dichloroethane	75-34-3	98	0.0710	0.200	0.802	U	U		1	WG2487232
1,1-Dichloroethene	75-35-4	96.90	0.0747	0.200	0.793	U	U		1	WG2487232
cis-1,2-Dichloroethene	156-59-2	96.90	0.0796	0.200	0.793	U	U		1	WG2487232
trans-1,2-Dichloroethene	156-60-5	96.90	0.0735	0.200	0.793	U	U		1	WG2487232
1,2-Dichloropropane	78-87-5	113	0.0752	0.200	0.924	U	U		1	WG2487232
cis-1,3-Dichloropropene	10061-01-5	111	0.0743	0.200	0.908	U	U		1	WG2487232
trans-1,3-Dichloropropene	10061-02-6	111	0.0795	0.200	0.908	U	U		1	WG2487232
1,4-Dioxane	123-91-1	88.10	0.164	0.630	2.27	U	U		1	WG2487232
Ethanol	64-17-5	46.10	2.37	2.50	4.71	17.9	33.8		1	WG2487232
Ethylbenzene	100-41-4	106	0.0778	0.200	0.867	0.615	2.67		1	WG2487232
4-Ethyltoluene	622-96-8	120	0.0887	0.200	0.982	0.220	1.08		1	WG2487232
Trichlorofluoromethane	75-69-4	137.40	0.0771	0.200	1.12	0.211	1.19		1	WG2487232
Dichlorodifluoromethane	75-71-8	120.92	0.0806	0.200	0.989	0.412	2.04		1	WG2487232
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0751	0.200	1.53	U	U		1	WG2487232
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0756	0.200	1.40	U	U		1	WG2487232
Heptane	142-82-5	100	0.114	0.200	0.818	6.87	28.1		1	WG2487232
Hexachloro-1,3-butadiene	87-68-3	261	0.0800	0.630	6.73	U	U		1	WG2487232
n-Hexane	110-54-3	86.20	0.143	0.630	2.22	9.37	33.0		1	WG2487232
Isopropylbenzene	98-82-8	120.20	0.0722	0.200	0.983	0.130	0.639	J	1	WG2487232
Methylene Chloride	75-09-2	84.90	0.169	0.200	0.694	0.374	1.30		1	WG2487232
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2487232
2-Butanone (MEK)	78-93-3	72.10	0.116	1.25	3.69	0.728	2.15	J	1	WG2487232
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.106	1.25	5.12	U	U		1	WG2487232
Methyl methacrylate	80-62-6	100.12	0.169	0.200	0.819	U	U		1	WG2487232
MTBE	1634-04-4	88.10	0.0813	0.200	0.721	U	U		1	WG2487232
Naphthalene	91-20-3	128	0.617	0.630	3.30	U	U		1	WG2487232
Nonane	111-84-2	128.26	0.101	0.200	1.05	3.46	18.2		1	WG2487232
Pentane	109-66-0	72.15	0.171	0.310	0.915	14.6	43.1		1	WG2487232
2-Propanol	67-63-0	60.10	0.680	1.25	3.07	5.88	14.5		1	WG2487232

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	0.214	1.25	2.15	U	U		1	WG2487232
Styrene	100-42-5	104	0.0802	0.400	1.70	U	U		1	WG2487232
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0695	0.200	1.37	U	U		1	WG2487232
Tetrachloroethylene	127-18-4	166	0.111	0.200	1.36	U	U		1	WG2487232
Tetrahydrofuran	109-99-9	72.10	0.164	0.200	0.590	U	U		1	WG2487232
Toluene	108-88-3	92.10	0.130	0.500	1.88	4.96	18.7		1	WG2487232
1,2,4-Trichlorobenzene	120-82-1	181	0.462	0.630	4.66	U	U		1	WG2487232
1,1,1-Trichloroethane	71-55-6	133	0.0718	0.200	1.09	U	U		1	WG2487232
1,1,2-Trichloroethane	79-00-5	133	0.0683	0.200	1.09	U	U		1	WG2487232
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2487232
1,2,4-Trimethylbenzene	95-63-6	120	0.0927	0.200	0.982	1.01	4.96		1	WG2487232
1,3,5-Trimethylbenzene	108-67-8	120	0.0853	0.200	0.982	0.375	1.84		1	WG2487232
2,2,4-Trimethylpentane	540-84-1	114.22	0.0898	0.200	0.934	0.185	0.864	J	1	WG2487232
Vinyl chloride	75-01-4	62.50	0.0826	0.200	0.511	U	U		1	WG2487232
Vinyl Bromide	593-60-2	106.95	0.0749	0.200	0.875	U	U		1	WG2487232
Vinyl acetate	108-05-4	86.10	0.0968	0.630	2.22	U	U		1	WG2487232
m&p-Xylene		106	0.174	0.400	1.73	3.58	15.5		1	WG2487232
o-Xylene	95-47-6	106	0.0887	0.200	0.867	1.34	5.81		1	WG2487232
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.0*				WG2487232

Volatile Organic Compounds (MS) by Method TO-15 - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch	RT

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

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	0.520	1.25	2.97	14.1	33.5		1	WG2487232
Acetonitrile	75-05-8	41.05	0.418	5.00	8.39	3.05	5.12	J	1	WG2487232
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	1.49	3.23	J	1	WG2487232
Allyl chloride	107-05-1	76.53	0.186	0.200	0.626	U	U		1	WG2487232
Benzene	71-43-2	78.10	0.110	0.200	0.639	18.3	58.5		1	WG2487232
Benzyl Chloride	100-44-7	127	0.0888	0.200	1.04	U	U		1	WG2487232
Bromodichloromethane	75-27-4	164	0.0695	0.200	1.34	U	U		1	WG2487232
Bromoform	75-25-2	253	0.0755	0.630	6.52	U	U		1	WG2487232
Bromomethane	74-83-9	94.90	0.0938	0.200	0.776	U	U		1	WG2487232
Bromoethane	74-96-4	108.97	0.0802	5.00	22.3	U	U		1	WG2487232
1,3-Butadiene	106-99-0	54.10	0.158	2.00	4.43	U	U		1	WG2487232
Butane	106-97-8	58	2.70	4.00	9.49	247	586		10	WG2487495
Carbon disulfide	75-15-0	76.10	0.160	0.400	1.24	U	U		1	WG2487232
Carbon tetrachloride	56-23-5	154	0.0746	0.200	1.26	U	U		1	WG2487232
Chlorobenzene	108-90-7	113	0.118	0.200	0.924	U	U		1	WG2487232
Chloroethane	75-00-3	64.50	0.110	0.200	0.528	0.236	0.623		1	WG2487232
Chloroform	67-66-3	119	0.104	0.200	0.973	U	U		1	WG2487232
Chloromethane	74-87-3	50.50	0.110	0.200	0.413	0.585	1.21		1	WG2487232
2-Chlorotoluene	95-49-8	126	0.0787	0.200	1.03	U	U		1	WG2487232
Cyclohexane	110-82-7	84.20	0.170	0.200	0.689	59.9	206		1	WG2487232
n-Decane	124-18-5	142.28	0.0971	0.200	1.16	43.7	254		1	WG2487232
Dibromochloromethane	124-48-1	208	0.0696	0.200	1.70	U	U		1	WG2487232
1,2-Dibromoethane	106-93-4	188	0.0690	0.200	1.54	U	U		1	WG2487232
1,2-Dichlorobenzene	95-50-1	147	0.0734	0.200	1.20	U	U		1	WG2487232
1,3-Dichlorobenzene	541-73-1	147	0.0753	0.200	1.20	U	U		1	WG2487232
1,4-Dichlorobenzene	106-46-7	147	0.0768	0.200	1.20	U	U		1	WG2487232
1,2-Dichloroethane	107-06-2	99	0.0730	0.200	0.810	0.261	1.06		1	WG2487232
1,1-Dichloroethane	75-34-3	98	0.0710	0.200	0.802	U	U		1	WG2487232
1,1-Dichloroethene	75-35-4	96.90	0.0747	0.200	0.793	U	U		1	WG2487232
cis-1,2-Dichloroethene	156-59-2	96.90	0.0796	0.200	0.793	U	U		1	WG2487232
trans-1,2-Dichloroethene	156-60-5	96.90	0.0735	0.200	0.793	U	U		1	WG2487232
1,2-Dichloropropane	78-87-5	113	0.0752	0.200	0.924	U	U		1	WG2487232
cis-1,3-Dichloropropene	10061-01-5	111	0.0743	0.200	0.908	U	U		1	WG2487232
trans-1,3-Dichloropropene	10061-02-6	111	0.0795	0.200	0.908	U	U		1	WG2487232
1,4-Dioxane	123-91-1	88.10	0.164	0.630	2.27	U	U		1	WG2487232
Ethanol	64-17-5	46.10	2.37	2.50	4.71	16.7	31.5		1	WG2487232
Ethylbenzene	100-41-4	106	0.0778	0.200	0.867	10.1	43.8		1	WG2487232
4-Ethyltoluene	622-96-8	120	0.0887	0.200	0.982	3.43	16.8		1	WG2487232
Trichlorofluoromethane	75-69-4	137.40	0.0771	0.200	1.12	0.206	1.16		1	WG2487232
Dichlorodifluoromethane	75-71-8	120.92	0.0806	0.200	0.989	0.431	2.13		1	WG2487232
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0751	0.200	1.53	U	U		1	WG2487232
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0756	0.200	1.40	U	U		1	WG2487232
Heptane	142-82-5	100	1.14	2.00	8.18	89.0	364		10	WG2487495
Hexachloro-1,3-butadiene	87-68-3	261	0.0800	0.630	6.73	U	U		1	WG2487232
n-Hexane	110-54-3	86.20	1.43	6.30	22.2	119	420		10	WG2487495
Isopropylbenzene	98-82-8	120.20	0.0722	0.200	0.983	1.82	8.95		1	WG2487232
Methylene Chloride	75-09-2	84.90	0.169	0.200	0.694	0.276	0.958		1	WG2487232
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2487232
2-Butanone (MEK)	78-93-3	72.10	0.116	1.25	3.69	0.611	1.80	J	1	WG2487232
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.106	1.25	5.12	3.02	12.4		1	WG2487232
Methyl methacrylate	80-62-6	100.12	0.169	0.200	0.819	U	U		1	WG2487232
MTBE	1634-04-4	88.10	0.0813	0.200	0.721	U	U		1	WG2487232
Naphthalene	91-20-3	128	0.617	0.630	3.30	0.732	3.83		1	WG2487232
Nonane	111-84-2	128.26	0.101	0.200	1.05	66.6	349		1	WG2487232
Pentane	109-66-0	72.15	1.71	3.10	9.15	137	404		10	WG2487495
2-Propanol	67-63-0	60.10	0.680	1.25	3.07	2.05	5.04		1	WG2487232

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	0.214	1.25	2.15	U	U		1	WG2487232
Styrene	100-42-5	104	0.0802	0.400	1.70	U	U		1	WG2487232
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0695	0.200	1.37	U	U		1	WG2487232
Tetrachloroethylene	127-18-4	166	0.111	0.200	1.36	U	U		1	WG2487232
Tetrahydrofuran	109-99-9	72.10	0.164	0.200	0.590	U	U		1	WG2487232
Toluene	108-88-3	92.10	0.130	0.500	1.88	72.1	272		1	WG2487232
1,2,4-Trichlorobenzene	120-82-1	181	0.462	0.630	4.66	U	U		1	WG2487232
1,1,1-Trichloroethane	71-55-6	133	0.0718	0.200	1.09	U	U		1	WG2487232
1,1,2-Trichloroethane	79-00-5	133	0.0683	0.200	1.09	U	U		1	WG2487232
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2487232
1,2,4-Trimethylbenzene	95-63-6	120	0.0927	0.200	0.982	19.8	97.2		1	WG2487232
1,3,5-Trimethylbenzene	108-67-8	120	0.0853	0.200	0.982	7.14	35.0		1	WG2487232
2,2,4-Trimethylpentane	540-84-1	114.22	0.0898	0.200	0.934	U	U		1	WG2487232
Vinyl chloride	75-01-4	62.50	0.0826	0.200	0.511	U	U		1	WG2487232
Vinyl Bromide	593-60-2	106.95	0.0749	0.200	0.875	U	U		1	WG2487232
Vinyl acetate	108-05-4	86.10	0.0968	0.630	2.22	U	U		1	WG2487232
m&p-Xylene		106	0.174	0.400	1.73	61.5	267		1	WG2487232
o-Xylene	95-47-6	106	0.0887	0.200	0.867	22.5	97.5		1	WG2487232
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*103*				WG2487232
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*99.7*				WG2487495

Volatile Organic Compounds (MS) by Method TO-15 - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch	RT
Pentane, 2-Methyl-	000107-83-5	86	0.000	0.000	0.000	21.0	73.9	J N	1	WG2487232	2.74
Pentane, 3-Methyl-	000096-14-0	86	0.000	0.000	0.000	11.0	38.7	J N	1	WG2487232	2.92

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

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	0.520	1.25	2.97	12.3	29.2		1	WG2487232
Acetonitrile	75-05-8	41.05	0.418	5.00	8.39	3.04	5.10	J	1	WG2487232
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	6.55	14.2		1	WG2487232
Allyl chloride	107-05-1	76.53	0.186	0.200	0.626	U	U		1	WG2487232
Benzene	71-43-2	78.10	0.110	0.200	0.639	2.86	9.14		1	WG2487232
Benzyl Chloride	100-44-7	127	0.0888	0.200	1.04	U	U		1	WG2487232
Bromodichloromethane	75-27-4	164	0.0695	0.200	1.34	U	U		1	WG2487232
Bromoform	75-25-2	253	0.0755	0.630	6.52	U	U		1	WG2487232
Bromomethane	74-83-9	94.90	0.0938	0.200	0.776	U	U		1	WG2487232
Bromoethane	74-96-4	108.97	0.0802	5.00	22.3	U	U		1	WG2487232
1,3-Butadiene	106-99-0	54.10	0.158	2.00	4.43	U	U		1	WG2487232
Butane	106-97-8	58	0.270	0.400	0.949	43.4	103		1	WG2487232
Carbon disulfide	75-15-0	76.10	0.160	0.400	1.24	U	U		1	WG2487232
Carbon tetrachloride	56-23-5	154	0.0746	0.200	1.26	U	U		1	WG2487232
Chlorobenzene	108-90-7	113	0.118	0.200	0.924	U	U		1	WG2487232
Chloroethane	75-00-3	64.50	0.110	0.200	0.528	0.129	0.340	J	1	WG2487232
Chloroform	67-66-3	119	0.104	0.200	0.973	U	U		1	WG2487232
Chloromethane	74-87-3	50.50	0.110	0.200	0.413	0.541	1.12		1	WG2487232
2-Chlorotoluene	95-49-8	126	0.0787	0.200	1.03	U	U		1	WG2487232
Cyclohexane	110-82-7	84.20	0.170	0.200	0.689	8.12	28.0		1	WG2487232
n-Decane	124-18-5	142.28	0.0971	0.200	1.16	4.85	28.2		1	WG2487232
Dibromochloromethane	124-48-1	208	0.0696	0.200	1.70	U	U		1	WG2487232
1,2-Dibromoethane	106-93-4	188	0.0690	0.200	1.54	U	U		1	WG2487232
1,2-Dichlorobenzene	95-50-1	147	0.0734	0.200	1.20	U	U		1	WG2487232
1,3-Dichlorobenzene	541-73-1	147	0.0753	0.200	1.20	U	U		1	WG2487232
1,4-Dichlorobenzene	106-46-7	147	0.0768	0.200	1.20	U	U		1	WG2487232
1,2-Dichloroethane	107-06-2	99	0.0730	0.200	0.810	U	U		1	WG2487232
1,1-Dichloroethane	75-34-3	98	0.0710	0.200	0.802	U	U		1	WG2487232
1,1-Dichloroethene	75-35-4	96.90	0.0747	0.200	0.793	U	U		1	WG2487232
cis-1,2-Dichloroethene	156-59-2	96.90	0.0796	0.200	0.793	U	U		1	WG2487232
trans-1,2-Dichloroethene	156-60-5	96.90	0.0735	0.200	0.793	U	U		1	WG2487232
1,2-Dichloropropane	78-87-5	113	0.0752	0.200	0.924	U	U		1	WG2487232
cis-1,3-Dichloropropene	10061-01-5	111	0.0743	0.200	0.908	U	U		1	WG2487232
trans-1,3-Dichloropropene	10061-02-6	111	0.0795	0.200	0.908	U	U		1	WG2487232
1,4-Dioxane	123-91-1	88.10	0.164	0.630	2.27	U	U		1	WG2487232
Ethanol	64-17-5	46.10	2.37	2.50	4.71	25.2	47.5		1	WG2487232
Ethylbenzene	100-41-4	106	0.0778	0.200	0.867	1.23	5.33		1	WG2487232
4-Ethyltoluene	622-96-8	120	0.0887	0.200	0.982	0.393	1.93		1	WG2487232
Trichlorofluoromethane	75-69-4	137.40	0.0771	0.200	1.12	0.190	1.07	J	1	WG2487232
Dichlorodifluoromethane	75-71-8	120.92	0.0806	0.200	0.989	0.419	2.07		1	WG2487232
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0751	0.200	1.53	U	U		1	WG2487232
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0756	0.200	1.40	U	U		1	WG2487232
Heptane	142-82-5	100	0.114	0.200	0.818	14.3	58.5		1	WG2487232
Hexachloro-1,3-butadiene	87-68-3	261	0.0800	0.630	6.73	U	U		1	WG2487232
n-Hexane	110-54-3	86.20	0.143	0.630	2.22	18.9	66.6		1	WG2487232
Isopropylbenzene	98-82-8	120.20	0.0722	0.200	0.983	0.220	1.08		1	WG2487232
Methylene Chloride	75-09-2	84.90	0.169	0.200	0.694	0.347	1.20		1	WG2487232
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2487232
2-Butanone (MEK)	78-93-3	72.10	0.116	1.25	3.69	1.26	3.72		1	WG2487232
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.106	1.25	5.12	U	U		1	WG2487232
Methyl methacrylate	80-62-6	100.12	0.169	0.200	0.819	U	U		1	WG2487232
MTBE	1634-04-4	88.10	0.0813	0.200	0.721	U	U		1	WG2487232
Naphthalene	91-20-3	128	0.617	0.630	3.30	U	U		1	WG2487232
Nonane	111-84-2	128.26	0.101	0.200	1.05	7.86	41.2		1	WG2487232
Pentane	109-66-0	72.15	0.171	0.310	0.915	26.9	79.4		1	WG2487232
2-Propanol	67-63-0	60.10	0.680	1.25	3.07	1.76	4.33		1	WG2487232

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	0.214	1.25	2.15	U	U		1	WG2487232
Styrene	100-42-5	104	0.0802	0.400	1.70	U	U		1	WG2487232
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0695	0.200	1.37	U	U		1	WG2487232
Tetrachloroethylene	127-18-4	166	0.111	0.200	1.36	U	U		1	WG2487232
Tetrahydrofuran	109-99-9	72.10	0.164	0.200	0.590	U	U		1	WG2487232
Toluene	108-88-3	92.10	0.130	0.500	1.88	10.8	40.7		1	WG2487232
1,2,4-Trichlorobenzene	120-82-1	181	0.462	0.630	4.66	U	U		1	WG2487232
1,1,1-Trichloroethane	71-55-6	133	0.0718	0.200	1.09	U	U		1	WG2487232
1,1,2-Trichloroethane	79-00-5	133	0.0683	0.200	1.09	U	U		1	WG2487232
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2487232
1,2,4-Trimethylbenzene	95-63-6	120	0.0927	0.200	0.982	2.20	10.8		1	WG2487232
1,3,5-Trimethylbenzene	108-67-8	120	0.0853	0.200	0.982	0.777	3.81		1	WG2487232
2,2,4-Trimethylpentane	540-84-1	114.22	0.0898	0.200	0.934	U	U		1	WG2487232
Vinyl chloride	75-01-4	62.50	0.0826	0.200	0.511	U	U		1	WG2487232
Vinyl Bromide	593-60-2	106.95	0.0749	0.200	0.875	U	U		1	WG2487232
Vinyl acetate	108-05-4	86.10	0.0968	0.630	2.22	U	U		1	WG2487232
m&p-Xylene		106	0.174	0.400	1.73	7.86	34.1		1	WG2487232
o-Xylene	95-47-6	106	0.0887	0.200	0.867	2.75	11.9		1	WG2487232
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*97.5*				WG2487232

Volatile Organic Compounds (MS) by Method TO-15 - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch	RT

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

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	0.520	1.25	2.97	9.79	23.3		1	WG2487232
Acetonitrile	75-05-8	41.05	0.418	5.00	8.39	3.71	6.23	J	1	WG2487232
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	4.78	10.4	J	1	WG2487232
Allyl chloride	107-05-1	76.53	0.186	0.200	0.626	U	U		1	WG2487232
Benzene	71-43-2	78.10	0.110	0.200	0.639	3.48	11.1		1	WG2487232
Benzyl Chloride	100-44-7	127	0.0888	0.200	1.04	U	U		1	WG2487232
Bromodichloromethane	75-27-4	164	0.0695	0.200	1.34	U	U		1	WG2487232
Bromoform	75-25-2	253	0.0755	0.630	6.52	U	U		1	WG2487232
Bromomethane	74-83-9	94.90	0.0938	0.200	0.776	U	U		1	WG2487232
Bromoethane	74-96-4	108.97	0.0802	5.00	22.3	U	U		1	WG2487232
1,3-Butadiene	106-99-0	54.10	0.158	2.00	4.43	U	U		1	WG2487232
Butane	106-97-8	58	0.270	0.400	0.949	50.8	121		1	WG2487232
Carbon disulfide	75-15-0	76.10	0.160	0.400	1.24	U	U		1	WG2487232
Carbon tetrachloride	56-23-5	154	0.0746	0.200	1.26	U	U		1	WG2487232
Chlorobenzene	108-90-7	113	0.118	0.200	0.924	U	U		1	WG2487232
Chloroethane	75-00-3	64.50	0.110	0.200	0.528	U	U		1	WG2487232
Chloroform	67-66-3	119	0.104	0.200	0.973	U	U		1	WG2487232
Chloromethane	74-87-3	50.50	0.110	0.200	0.413	0.584	1.21		1	WG2487232
2-Chlorotoluene	95-49-8	126	0.0787	0.200	1.03	U	U		1	WG2487232
Cyclohexane	110-82-7	84.20	0.170	0.200	0.689	10.4	35.8		1	WG2487232
n-Decane	124-18-5	142.28	0.0971	0.200	1.16	7.94	46.2		1	WG2487232
Dibromochloromethane	124-48-1	208	0.0696	0.200	1.70	U	U		1	WG2487232
1,2-Dibromoethane	106-93-4	188	0.0690	0.200	1.54	U	U		1	WG2487232
1,2-Dichlorobenzene	95-50-1	147	0.0734	0.200	1.20	U	U		1	WG2487232
1,3-Dichlorobenzene	541-73-1	147	0.0753	0.200	1.20	U	U		1	WG2487232
1,4-Dichlorobenzene	106-46-7	147	0.0768	0.200	1.20	U	U		1	WG2487232
1,2-Dichloroethane	107-06-2	99	0.0730	0.200	0.810	U	U		1	WG2487232
1,1-Dichloroethane	75-34-3	98	0.0710	0.200	0.802	U	U		1	WG2487232
1,1-Dichloroethene	75-35-4	96.90	0.0747	0.200	0.793	U	U		1	WG2487232
cis-1,2-Dichloroethene	156-59-2	96.90	0.0796	0.200	0.793	U	U		1	WG2487232
trans-1,2-Dichloroethene	156-60-5	96.90	0.0735	0.200	0.793	U	U		1	WG2487232
1,2-Dichloropropane	78-87-5	113	0.0752	0.200	0.924	U	U		1	WG2487232
cis-1,3-Dichloropropene	10061-01-5	111	0.0743	0.200	0.908	U	U		1	WG2487232
trans-1,3-Dichloropropene	10061-02-6	111	0.0795	0.200	0.908	U	U		1	WG2487232
1,4-Dioxane	123-91-1	88.10	0.164	0.630	2.27	U	U		1	WG2487232
Ethanol	64-17-5	46.10	2.37	2.50	4.71	20.3	38.3		1	WG2487232
Ethylbenzene	100-41-4	106	0.0778	0.200	0.867	1.65	7.15		1	WG2487232
4-Ethyltoluene	622-96-8	120	0.0887	0.200	0.982	0.533	2.62		1	WG2487232
Trichlorofluoromethane	75-69-4	137.40	0.0771	0.200	1.12	0.186	1.05	J	1	WG2487232
Dichlorodifluoromethane	75-71-8	120.92	0.0806	0.200	0.989	0.421	2.08		1	WG2487232
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0751	0.200	1.53	U	U		1	WG2487232
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0756	0.200	1.40	U	U		1	WG2487232
Heptane	142-82-5	100	0.114	0.200	0.818	18.5	75.7		1	WG2487232
Hexachloro-1,3-butadiene	87-68-3	261	0.0800	0.630	6.73	U	U		1	WG2487232
n-Hexane	110-54-3	86.20	0.143	0.630	2.22	23.8	83.9		1	WG2487232
Isopropylbenzene	98-82-8	120.20	0.0722	0.200	0.983	0.301	1.48		1	WG2487232
Methylene Chloride	75-09-2	84.90	0.169	0.200	0.694	0.292	1.01		1	WG2487232
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2487232
2-Butanone (MEK)	78-93-3	72.10	0.116	1.25	3.69	0.674	1.99	J	1	WG2487232
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.106	1.25	5.12	U	U		1	WG2487232
Methyl methacrylate	80-62-6	100.12	0.169	0.200	0.819	U	U		1	WG2487232
MTBE	1634-04-4	88.10	0.0813	0.200	0.721	U	U		1	WG2487232
Naphthalene	91-20-3	128	0.617	0.630	3.30	U	U		1	WG2487232
Nonane	111-84-2	128.26	0.101	0.200	1.05	11.3	59.3		1	WG2487232
Pentane	109-66-0	72.15	0.171	0.310	0.915	30.1	88.8		1	WG2487232
2-Propanol	67-63-0	60.10	0.680	1.25	3.07	2.86	7.03		1	WG2487232

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	0.214	1.25	2.15	U	U		1	WG2487232
Styrene	100-42-5	104	0.0802	0.400	1.70	U	U		1	WG2487232
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0695	0.200	1.37	U	U		1	WG2487232
Tetrachloroethylene	127-18-4	166	0.111	0.200	1.36	U	U		1	WG2487232
Tetrahydrofuran	109-99-9	72.10	0.164	0.200	0.590	U	U		1	WG2487232
Toluene	108-88-3	92.10	0.130	0.500	1.88	13.8	52.0		1	WG2487232
1,2,4-Trichlorobenzene	120-82-1	181	0.462	0.630	4.66	U	U		1	WG2487232
1,1,1-Trichloroethane	71-55-6	133	0.0718	0.200	1.09	U	U		1	WG2487232
1,1,2-Trichloroethane	79-00-5	133	0.0683	0.200	1.09	U	U		1	WG2487232
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2487232
1,2,4-Trimethylbenzene	95-63-6	120	0.0927	0.200	0.982	3.29	16.1		1	WG2487232
1,3,5-Trimethylbenzene	108-67-8	120	0.0853	0.200	0.982	1.15	5.64		1	WG2487232
2,2,4-Trimethylpentane	540-84-1	114.22	0.0898	0.200	0.934	U	U		1	WG2487232
Vinyl chloride	75-01-4	62.50	0.0826	0.200	0.511	U	U		1	WG2487232
Vinyl Bromide	593-60-2	106.95	0.0749	0.200	0.875	U	U		1	WG2487232
Vinyl acetate	108-05-4	86.10	0.0968	0.630	2.22	U	U		1	WG2487232
m&p-Xylene		106	0.174	0.400	1.73	10.6	46.0		1	WG2487232
o-Xylene	95-47-6	106	0.0887	0.200	0.867	3.78	16.4		1	WG2487232
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.5*				WG2487232

Volatile Organic Compounds (MS) by Method TO-15 - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch	RT

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

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	0.520	1.25	2.97	13.6	32.3		1	WG2487232
Acetonitrile	75-05-8	41.05	0.418	5.00	8.39	3.30	5.54	J	1	WG2487232
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	3.11	6.74	J	1	WG2487232
Allyl chloride	107-05-1	76.53	0.186	0.200	0.626	U	U		1	WG2487232
Benzene	71-43-2	78.10	0.110	0.200	0.639	0.702	2.24		1	WG2487232
Benzyl Chloride	100-44-7	127	0.0888	0.200	1.04	U	U		1	WG2487232
Bromodichloromethane	75-27-4	164	0.0695	0.200	1.34	U	U		1	WG2487232
Bromoform	75-25-2	253	0.0755	0.630	6.52	U	U		1	WG2487232
Bromomethane	74-83-9	94.90	0.0938	0.200	0.776	U	U		1	WG2487232
Bromoethane	74-96-4	108.97	0.0802	5.00	22.3	U	U		1	WG2487232
1,3-Butadiene	106-99-0	54.10	0.158	2.00	4.43	U	U		1	WG2487232
Butane	106-97-8	58	0.270	0.400	0.949	17.4	41.3		1	WG2487232
Carbon disulfide	75-15-0	76.10	0.160	0.400	1.24	0.289	0.900	J	1	WG2487232
Carbon tetrachloride	56-23-5	154	0.0746	0.200	1.26	U	U		1	WG2487232
Chlorobenzene	108-90-7	113	0.118	0.200	0.924	U	U		1	WG2487232
Chloroethane	75-00-3	64.50	0.110	0.200	0.528	U	U		1	WG2487232
Chloroform	67-66-3	119	0.104	0.200	0.973	U	U		1	WG2487232
Chloromethane	74-87-3	50.50	0.110	0.200	0.413	0.502	1.04		1	WG2487232
2-Chlorotoluene	95-49-8	126	0.0787	0.200	1.03	U	U		1	WG2487232
Cyclohexane	110-82-7	84.20	0.170	0.200	0.689	1.65	5.68		1	WG2487232
n-Decane	124-18-5	142.28	0.0971	0.200	1.16	U	U		1	WG2487232
Dibromochloromethane	124-48-1	208	0.0696	0.200	1.70	U	U		1	WG2487232
1,2-Dibromoethane	106-93-4	188	0.0690	0.200	1.54	U	U		1	WG2487232
1,2-Dichlorobenzene	95-50-1	147	0.0734	0.200	1.20	U	U		1	WG2487232
1,3-Dichlorobenzene	541-73-1	147	0.0753	0.200	1.20	U	U		1	WG2487232
1,4-Dichlorobenzene	106-46-7	147	0.0768	0.200	1.20	U	U		1	WG2487232
1,2-Dichloroethane	107-06-2	99	0.0730	0.200	0.810	U	U		1	WG2487232
1,1-Dichloroethane	75-34-3	98	0.0710	0.200	0.802	U	U		1	WG2487232
1,1-Dichloroethene	75-35-4	96.90	0.0747	0.200	0.793	U	U		1	WG2487232
cis-1,2-Dichloroethene	156-59-2	96.90	0.0796	0.200	0.793	U	U		1	WG2487232
trans-1,2-Dichloroethene	156-60-5	96.90	0.0735	0.200	0.793	U	U		1	WG2487232
1,2-Dichloropropane	78-87-5	113	0.0752	0.200	0.924	U	U		1	WG2487232
cis-1,3-Dichloropropene	10061-01-5	111	0.0743	0.200	0.908	U	U		1	WG2487232
trans-1,3-Dichloropropene	10061-02-6	111	0.0795	0.200	0.908	U	U		1	WG2487232
1,4-Dioxane	123-91-1	88.10	0.164	0.630	2.27	U	U		1	WG2487232
Ethanol	64-17-5	46.10	2.37	2.50	4.71	24.2	45.6		1	WG2487232
Ethylbenzene	100-41-4	106	0.0778	0.200	0.867	U	U		1	WG2487232
4-Ethyltoluene	622-96-8	120	0.0887	0.200	0.982	U	U		1	WG2487232
Trichlorofluoromethane	75-69-4	137.40	0.0771	0.200	1.12	U	U		1	WG2487232
Dichlorodifluoromethane	75-71-8	120.92	0.0806	0.200	0.989	0.405	2.00		1	WG2487232
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0751	0.200	1.53	U	U		1	WG2487232
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0756	0.200	1.40	U	U		1	WG2487232
Heptane	142-82-5	100	0.114	0.200	0.818	2.13	8.71		1	WG2487232
Hexachloro-1,3-butadiene	87-68-3	261	0.0800	0.630	6.73	U	U		1	WG2487232
n-Hexane	110-54-3	86.20	0.143	0.630	2.22	4.77	16.8		1	WG2487232
Isopropylbenzene	98-82-8	120.20	0.0722	0.200	0.983	U	U		1	WG2487232
Methylene Chloride	75-09-2	84.90	0.169	0.200	0.694	U	U		1	WG2487232
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2487232
2-Butanone (MEK)	78-93-3	72.10	0.116	1.25	3.69	1.98	5.84		1	WG2487232
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.106	1.25	5.12	U	U		1	WG2487232
Methyl methacrylate	80-62-6	100.12	0.169	0.200	0.819	U	U		1	WG2487232
MTBE	1634-04-4	88.10	0.0813	0.200	0.721	U	U		1	WG2487232
Naphthalene	91-20-3	128	0.617	0.630	3.30	U	U		1	WG2487232
Nonane	111-84-2	128.26	0.101	0.200	1.05	0.176	0.923	J	1	WG2487232
Pentane	109-66-0	72.15	0.171	0.310	0.915	8.29	24.5		1	WG2487232
2-Propanol	67-63-0	60.10	0.680	1.25	3.07	15.2	37.4		1	WG2487232

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	0.214	1.25	2.15	U	U		1	WG2487232
Styrene	100-42-5	104	0.0802	0.400	1.70	U	U		1	WG2487232
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0695	0.200	1.37	U	U		1	WG2487232
Tetrachloroethylene	127-18-4	166	0.111	0.200	1.36	U	U		1	WG2487232
Tetrahydrofuran	109-99-9	72.10	0.164	0.200	0.590	U	U		1	WG2487232
Toluene	108-88-3	92.10	0.130	0.500	1.88	1.56	5.88		1	WG2487232
1,2,4-Trichlorobenzene	120-82-1	181	0.462	0.630	4.66	U	U		1	WG2487232
1,1,1-Trichloroethane	71-55-6	133	0.0718	0.200	1.09	U	U		1	WG2487232
1,1,2-Trichloroethane	79-00-5	133	0.0683	0.200	1.09	U	U		1	WG2487232
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2487232
1,2,4-Trimethylbenzene	95-63-6	120	0.0927	0.200	0.982	U	U		1	WG2487232
1,3,5-Trimethylbenzene	108-67-8	120	0.0853	0.200	0.982	U	U		1	WG2487232
2,2,4-Trimethylpentane	540-84-1	114.22	0.0898	0.200	0.934	U	U		1	WG2487232
Vinyl chloride	75-01-4	62.50	0.0826	0.200	0.511	U	U		1	WG2487232
Vinyl Bromide	593-60-2	106.95	0.0749	0.200	0.875	U	U		1	WG2487232
Vinyl acetate	108-05-4	86.10	0.0968	0.630	2.22	U	U		1	WG2487232
m&p-Xylene		106	0.174	0.400	1.73	0.321	1.39	J	1	WG2487232
o-Xylene	95-47-6	106	0.0887	0.200	0.867	0.105	0.455	J	1	WG2487232
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*96.0*				WG2487232

Volatile Organic Compounds (MS) by Method TO-15 - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch	RT

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

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	0.520	1.25	2.97	6.88	16.3		1	WG2487232
Acetonitrile	75-05-8	41.05	0.418	5.00	8.39	2.28	3.83	J	1	WG2487232
Acrylonitrile	107-13-1	53	0.226	5.00	10.8	U	U		1	WG2487232
Allyl chloride	107-05-1	76.53	0.186	0.200	0.626	U	U		1	WG2487232
Benzene	71-43-2	78.10	0.110	0.200	0.639	4.21	13.4		1	WG2487232
Benzyl Chloride	100-44-7	127	0.0888	0.200	1.04	U	U		1	WG2487232
Bromodichloromethane	75-27-4	164	0.0695	0.200	1.34	U	U		1	WG2487232
Bromoform	75-25-2	253	0.0755	0.630	6.52	U	U		1	WG2487232
Bromomethane	74-83-9	94.90	0.0938	0.200	0.776	U	U		1	WG2487232
Bromoethane	74-96-4	108.97	0.0802	5.00	22.3	U	U		1	WG2487232
1,3-Butadiene	106-99-0	54.10	0.158	2.00	4.43	U	U		1	WG2487232
Butane	106-97-8	58	0.270	0.400	0.949	49.8	118		1	WG2487232
Carbon disulfide	75-15-0	76.10	0.160	0.400	1.24	U	U		1	WG2487232
Carbon tetrachloride	56-23-5	154	0.0746	0.200	1.26	U	U		1	WG2487232
Chlorobenzene	108-90-7	113	0.118	0.200	0.924	U	U		1	WG2487232
Chloroethane	75-00-3	64.50	0.110	0.200	0.528	U	U		1	WG2487232
Chloroform	67-66-3	119	0.104	0.200	0.973	U	U		1	WG2487232
Chloromethane	74-87-3	50.50	0.110	0.200	0.413	0.554	1.14		1	WG2487232
2-Chlorotoluene	95-49-8	126	0.0787	0.200	1.03	U	U		1	WG2487232
Cyclohexane	110-82-7	84.20	0.170	0.200	0.689	12.9	44.4		1	WG2487232
n-Decane	124-18-5	142.28	0.0971	0.200	1.16	18.8	109		1	WG2487232
Dibromochloromethane	124-48-1	208	0.0696	0.200	1.70	U	U		1	WG2487232
1,2-Dibromoethane	106-93-4	188	0.0690	0.200	1.54	U	U		1	WG2487232
1,2-Dichlorobenzene	95-50-1	147	0.0734	0.200	1.20	U	U		1	WG2487232
1,3-Dichlorobenzene	541-73-1	147	0.0753	0.200	1.20	U	U		1	WG2487232
1,4-Dichlorobenzene	106-46-7	147	0.0768	0.200	1.20	U	U		1	WG2487232
1,2-Dichloroethane	107-06-2	99	0.0730	0.200	0.810	U	U		1	WG2487232
1,1-Dichloroethane	75-34-3	98	0.0710	0.200	0.802	U	U		1	WG2487232
1,1-Dichloroethene	75-35-4	96.90	0.0747	0.200	0.793	U	U		1	WG2487232
cis-1,2-Dichloroethene	156-59-2	96.90	0.0796	0.200	0.793	U	U		1	WG2487232
trans-1,2-Dichloroethene	156-60-5	96.90	0.0735	0.200	0.793	U	U		1	WG2487232
1,2-Dichloropropane	78-87-5	113	0.0752	0.200	0.924	U	U		1	WG2487232
cis-1,3-Dichloropropene	10061-01-5	111	0.0743	0.200	0.908	U	U		1	WG2487232
trans-1,3-Dichloropropene	10061-02-6	111	0.0795	0.200	0.908	U	U		1	WG2487232
1,4-Dioxane	123-91-1	88.10	0.164	0.630	2.27	U	U		1	WG2487232
Ethanol	64-17-5	46.10	2.37	2.50	4.71	9.03	17.0		1	WG2487232
Ethylbenzene	100-41-4	106	0.0778	0.200	0.867	3.30	14.3		1	WG2487232
4-Ethyltoluene	622-96-8	120	0.0887	0.200	0.982	1.34	6.58		1	WG2487232
Trichlorofluoromethane	75-69-4	137.40	0.0771	0.200	1.12	0.196	1.10	J	1	WG2487232
Dichlorodifluoromethane	75-71-8	120.92	0.0806	0.200	0.989	0.420	2.08		1	WG2487232
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.0751	0.200	1.53	U	U		1	WG2487232
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.0756	0.200	1.40	U	U		1	WG2487232
Heptane	142-82-5	100	0.114	0.200	0.818	24.9	102		1	WG2487232
Hexachloro-1,3-butadiene	87-68-3	261	0.0800	0.630	6.73	U	U		1	WG2487232
n-Hexane	110-54-3	86.20	0.143	0.630	2.22	27.6	97.3		1	WG2487232
Isopropylbenzene	98-82-8	120.20	0.0722	0.200	0.983	0.681	3.35		1	WG2487232
Methylene Chloride	75-09-2	84.90	0.169	0.200	0.694	U	U		1	WG2487232
Methyl Butyl Ketone	591-78-6	100	0.133	1.25	5.11	U	U		1	WG2487232
2-Butanone (MEK)	78-93-3	72.10	0.116	1.25	3.69	0.455	1.34	J	1	WG2487232
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.106	1.25	5.12	U	U		1	WG2487232
Methyl methacrylate	80-62-6	100.12	0.169	0.200	0.819	U	U		1	WG2487232
MTBE	1634-04-4	88.10	0.0813	0.200	0.721	U	U		1	WG2487232
Naphthalene	91-20-3	128	0.617	0.630	3.30	U	U		1	WG2487232
Nonane	111-84-2	128.26	0.101	0.200	1.05	24.7	130		1	WG2487232
Pentane	109-66-0	72.15	0.171	0.310	0.915	31.9	94.1		1	WG2487232
2-Propanol	67-63-0	60.10	0.680	1.25	3.07	1.17	2.88	J	1	WG2487232

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	0.214	1.25	2.15	U	U		1	WG2487232
Styrene	100-42-5	104	0.0802	0.400	1.70	U	U		1	WG2487232
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0695	0.200	1.37	U	U		1	WG2487232
Tetrachloroethylene	127-18-4	166	0.111	0.200	1.36	U	U		1	WG2487232
Tetrahydrofuran	109-99-9	72.10	0.164	0.200	0.590	U	U		1	WG2487232
Toluene	108-88-3	92.10	0.130	0.500	1.88	19.4	73.1		1	WG2487232
1,2,4-Trichlorobenzene	120-82-1	181	0.462	0.630	4.66	U	U		1	WG2487232
1,1,1-Trichloroethane	71-55-6	133	0.0718	0.200	1.09	U	U		1	WG2487232
1,1,2-Trichloroethane	79-00-5	133	0.0683	0.200	1.09	U	U		1	WG2487232
Trichloroethylene	79-01-6	131	0.0680	0.200	1.07	U	U		1	WG2487232
1,2,4-Trimethylbenzene	95-63-6	120	0.0927	0.200	0.982	8.42	41.3		1	WG2487232
1,3,5-Trimethylbenzene	108-67-8	120	0.0853	0.200	0.982	2.88	14.1		1	WG2487232
2,2,4-Trimethylpentane	540-84-1	114.22	0.0898	0.200	0.934	U	U		1	WG2487232
Vinyl chloride	75-01-4	62.50	0.0826	0.200	0.511	U	U		1	WG2487232
Vinyl Bromide	593-60-2	106.95	0.0749	0.200	0.875	U	U		1	WG2487232
Vinyl acetate	108-05-4	86.10	0.0968	0.630	2.22	U	U		1	WG2487232
m&p-Xylene		106	0.174	0.400	1.73	21.6	93.6		1	WG2487232
o-Xylene	95-47-6	106	0.0887	0.200	0.867	8.16	35.4		1	WG2487232
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*		*60.0-140*		*98.8*				WG2487232

Volatile Organic Compounds (MS) by Method TO-15 - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	CAS #	Mol. Wt.	MDL1 ppbv	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch	RT

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Method Blank (MB)

(MB) R4197731-3 04/10/25 09:52

Analyte	MB Result ug/m3	MB Qualifier	MB MDL ug/m3	MB RDL ug/m3
Acetone	U		1.24	2.97
Acetonitrile	U		0.702	8.39
Acrylonitrile	U		0.490	10.8
Allyl chloride	U		0.582	0.626
Benzene	U		0.351	0.639
Benzyl Chloride	U		0.461	1.04
Bromodichloromethane	U		0.466	1.34
Bromoform	U		0.781	6.52
Bromomethane	U		0.364	0.776
Bromoethane	U		0.357	22.3
1,3-Butadiene	U		0.350	4.43
Butane	U		0.640	0.949
Carbon disulfide	U		0.498	1.24
Carbon tetrachloride	U		0.470	1.26
Chlorobenzene	U		0.545	0.924
Chloroethane	U		0.290	0.528
Chloroform	U		0.506	0.973
Chloromethane	U		0.227	0.413
2-Chlorotoluene	U		0.406	1.03
Cyclohexane	U		0.585	0.689
n-Decane	U		0.565	1.16
Dibromochloromethane	U		0.592	1.70
1,2-Dibromoethane	U		0.531	1.54
1,2-Dichlorobenzene	U		0.441	1.20
1,3-Dichlorobenzene	U		0.453	1.20
1,4-Dichlorobenzene	U		0.462	1.20
1,2-Dichloroethane	U		0.296	0.810
1,1-Dichloroethane	U		0.285	0.802
1,1-Dichloroethene	U		0.296	0.793
cis-1,2-Dichloroethene	U		0.315	0.793
trans-1,2-Dichloroethene	U		0.291	0.793
1,2-Dichloropropane	U		0.348	0.924
cis-1,3-Dichloropropene	U		0.337	0.908
trans-1,3-Dichloropropene	U		0.361	0.908
1,4-Dioxane	U		0.591	2.27
Ethanol	U		4.47	4.71
Ethylbenzene	U		0.337	0.867
4-Ethyltoluene	U		0.435	0.982
Trichlorofluoromethane	U		0.433	1.12
Dichlorodifluoromethane	U		0.399	0.989

Method Blank (MB)

(MB) R4197731-3 04/10/25 09:52

Analyte	MB Result ug/m3	MB Qualifier	MB MDL ug/m3	MB RDL ug/m3
1,1,2-Trichlorotrifluoroethane	U		0.576	1.53
1,2-Dichlorotetrafluoroethane	U		0.529	1.40
Heptane	U		0.466	0.818
Hexachloro-1,3-butadiene	U		0.854	6.73
n-Hexane	U		0.504	2.22
Isopropylbenzene	U		0.355	0.983
Methylene Chloride	U		0.587	0.694
Methyl Butyl Ketone	U		0.544	5.11
2-Butanone (MEK)	U		0.342	3.69
4-Methyl-2-pentanone (MIBK)	U		0.434	5.12
Methyl methacrylate	U		0.692	0.819
MTBE	U		0.293	0.721
Naphthalene	U		3.23	3.30
Nonane	U		0.530	1.05
Pentane	U		0.505	0.915
2-Propanol	U		1.67	3.07
Propene	U		0.368	2.15
Styrene	U		0.341	1.70
1,1,2,2-Tetrachloroethane	U		0.478	1.37
Tetrachloroethylene	U		0.754	1.36
Tetrahydrofuran	U		0.484	0.590
Toluene	U		0.490	1.88
1,2,4-Trichlorobenzene	U		3.42	4.66
1,1,1-Trichloroethane	U		0.391	1.09
1,1,2-Trichloroethane	U		0.372	1.09
Trichloroethylene	U		0.364	1.07
1,2,4-Trimethylbenzene	U		0.455	0.982
1,3,5-Trimethylbenzene	U		0.419	0.982
2,2,4-Trimethylpentane	U		0.420	0.934
Vinyl chloride	U		0.211	0.511
Vinyl Bromide	U		0.328	0.875
Vinyl acetate	U		0.341	2.22
m&p-Xylene	U		0.754	1.73
o-Xylene	U		0.385	0.867
(S) 1,4-Bromofluorobenzene	*95.6*			*60.0-140*

Method Blank (MB) - TENTATIVELY IDENTIFIED COMPOUNDS

(MB) R4197731-3 04/10/25 09:52

Analyte	MB Result ug/m3	MB Qualifier	MB MDL ug/m3	MB RDL ug/m3	CAS #

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

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

(LCS) R4197731-1 04/10/25 08:56 • (LCSD) R4197731-2 04/10/25 09:25

Analyte	Spike Amount ug/m3	LCS Result ug/m3	LCSD Result ug/m3	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	8.91	8.89	8.74	99.7	98.1	70.0-130			1.62	25
Acetonitrile	31.6	29.5	28.5	93.6	90.4	70.0-130			3.47	25
Acrylonitrile	8.13	7.96	7.78	97.9	95.7	70.0-130	J	J	2.20	25
Allyl chloride	11.7	11.5	11.2	97.9	95.5	70.0-130			2.48	25
Benzene	12.0	11.5	11.4	96.3	94.9	70.0-130			1.39	25
Benzyl Chloride	19.5	19.0	19.1	97.6	97.9	70.0-152			0.273	25
Bromodichloromethane	25.2	24.1	23.9	96.0	95.2	70.0-130			0.837	25
Bromoform	38.8	36.8	37.0	94.9	95.5	70.0-130			0.560	25
Bromomethane	14.6	14.2	14.0	97.3	96.0	70.0-130			1.38	25
Bromoethane	16.7	16.2	16.4	97.1	98.4	70.0-130	J	J	1.36	25
1,3-Butadiene	8.30	8.05	8.03	97.1	96.8	70.0-130			0.275	25
Butane	8.90	8.66	8.42	97.3	94.7	70.0-130			2.78	25
Carbon disulfide	23.3	23.2	23.1	99.3	98.8	70.0-130			0.538	25
Carbon tetrachloride	23.6	23.1	23.1	97.6	97.6	70.0-130			0.000	25
Chlorobenzene	17.3	16.7	16.8	96.3	96.8	70.0-130			0.552	25
Chloroethane	9.89	9.76	9.42	98.7	95.2	70.0-130			3.58	25
Chloroform	18.3	17.7	17.5	96.8	96.0	70.0-130			0.830	25
Chloromethane	7.75	7.58	7.52	97.9	97.1	70.0-130			0.821	25
2-Chlorotoluene	19.3	18.9	19.0	97.9	98.4	70.0-130			0.543	25
Cyclohexane	12.9	12.3	12.2	95.2	94.1	70.0-130			1.13	25
n-Decane	21.8	24.7	24.7	113	113	70.0-130			0.000	25
Dibromochloromethane	31.9	30.5	30.6	95.5	96.0	70.0-130			0.557	25
1,2-Dibromoethane	28.8	28.2	27.8	97.9	96.5	70.0-130			1.37	25
1,2-Dichlorobenzene	22.5	22.1	22.3	98.1	98.9	70.0-130			0.812	25
1,3-Dichlorobenzene	22.5	22.7	22.9	101	102	70.0-130			1.06	25
1,4-Dichlorobenzene	22.5	22.6	22.8	100	101	70.0-130			1.06	25
1,2-Dichloroethane	15.2	14.5	14.6	95.5	96.0	70.0-130			0.557	25
1,1-Dichloroethane	15.0	15.0	14.5	99.7	96.3	70.0-130			3.54	25
1,1-Dichloroethene	14.9	14.5	14.5	97.6	97.3	70.0-130			0.274	25
cis-1,2-Dichloroethene	14.9	14.4	14.2	96.8	95.5	70.0-130			1.39	25

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

(LCS) R4197731-1 04/10/25 08:56 • (LCSD) R4197731-2 04/10/25 09:25

Analyte	Spike Amount ug/m3	LCS Result ug/m3	LCSD Result ug/m3	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,2-Dichloroethene	14.9	14.5	14.2	97.6	95.7	70.0-130			1.93	25
1,2-Dichloropropane	17.3	16.8	16.8	97.1	96.8	70.0-130			0.275	25
cis-1,3-Dichloropropene	17.0	16.3	17.9	95.7	105	70.0-130			9.55	25
trans-1,3-Dichloropropene	17.0	16.8	16.5	98.9	96.8	70.0-130			2.18	25
1,4-Dioxane	13.5	12.7	12.9	94.1	95.5	70.0-140			1.41	25
Ethanol	7.07	6.56	6.37	92.8	90.1	55.0-148			2.92	25
Ethylbenzene	16.3	16.0	15.9	98.4	97.6	70.0-130			0.816	25
4-Ethyltoluene	18.4	19.4	19.3	106	105	70.0-130			0.760	25
Trichlorofluoromethane	21.1	20.7	20.6	98.1	97.9	70.0-130			0.272	25
Dichlorodifluoromethane	18.5	18.4	18.2	99.2	98.4	64.0-139			0.810	25
1,1,2-Trichlorotrifluoroethane	28.7	28.2	28.3	98.1	98.4	70.0-130			0.271	25
1,2-Dichlorotetrafluoroethane	26.2	25.9	25.8	98.7	98.4	70.0-130			0.271	25
Heptane	15.3	15.6	15.2	102	99.2	70.0-130			2.39	25
Hexachloro-1,3-butadiene	40.0	36.6	37.1	91.5	92.8	70.0-151			1.45	25
n-Hexane	13.2	12.8	12.7	97.1	96.3	70.0-130			0.828	25
Isopropylbenzene	18.4	18.3	18.2	99.5	98.7	70.0-130			0.808	25
Methylene Chloride	13.0	12.8	12.5	98.1	96.3	70.0-130			1.92	25
Methyl Butyl Ketone	15.3	14.7	14.6	95.7	95.2	70.0-149			0.559	25
2-Butanone (MEK)	11.1	11.1	10.9	100	98.1	70.0-130			1.88	25
4-Methyl-2-pentanone (MIBK)	15.4	13.5	13.8	88.0	89.6	70.0-139			1.80	25
Methyl methacrylate	15.4	15.2	14.8	99.2	96.5	70.0-130			2.72	25
MTBE	13.5	12.9	12.9	95.5	95.2	70.0-130			0.280	25
Naphthalene	19.6	21.8	21.9	111	111	70.0-159			0.240	25
Nonane	19.7	21.2	21.3	108	108	70.0-130			0.247	25
Pentane	11.1	10.7	10.7	96.8	96.8	70.0-130			0.000	25
2-Propanol	9.22	8.58	8.21	93.1	89.1	70.0-139			4.39	25
Propene	6.46	6.37	6.27	98.7	97.1	64.0-144			1.63	25
Styrene	31.9	35.1	34.8	110	109	70.0-130			1.10	25
1,1,2,2-Tetrachloroethane	25.8	26.0	25.7	101	99.7	70.0-130			1.33	25
Tetrachloroethylene	25.5	24.6	24.6	96.8	96.8	70.0-130			0.000	25
Tetrahydrofuran	11.1	10.7	10.6	96.5	95.7	70.0-137			0.832	25
Toluene	14.1	13.6	13.7	96.5	97.1	70.0-130			0.551	25
1,2,4-Trichlorobenzene	27.8	25.2	25.2	90.7	90.7	70.0-160			0.000	25
1,1,1-Trichloroethane	20.4	19.8	19.6	97.1	96.0	70.0-130			1.10	25
1,1,2-Trichloroethane	20.4	20.1	19.9	98.7	97.6	70.0-130			1.09	25
Trichloroethylene	20.1	19.3	19.3	96.3	96.0	70.0-130			0.277	25
1,2,4-Trimethylbenzene	18.4	19.7	19.4	107	106	70.0-130			1.50	25
1,3,5-Trimethylbenzene	18.4	19.3	19.3	105	105	70.0-130			0.254	25
2,2,4-Trimethylpentane	17.5	17.4	17.3	99.2	98.9	70.0-130			0.269	25
Vinyl chloride	9.59	9.51	9.43	99.2	98.4	70.0-130			0.810	25

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

(LCS) R4197731-1 04/10/25 08:56 • (LCSD) R4197731-2 04/10/25 09:25

Analyte	Spike Amount ug/m3	LCS Result ug/m3	LCSD Result ug/m3	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Vinyl Bromide	16.4	15.9	15.7	96.8	95.7	70.0-130			1.11	25
Vinyl acetate	13.2	13.0	12.9	98.7	97.3	70.0-130			1.36	25
m&p-Xylene	32.5	33.9	33.6	104	103	70.0-130			0.898	25
o-Xylene	16.3	17.0	17.0	105	104	70.0-130			0.510	25
(S) 1,4-Bromofluorobenzene				*99.2*	*99.5*	*60.0-140*				

Method Blank (MB)

(MB) R4197794-3 04/10/25 11:05

Analyte	MB Result ug/m3	MB Qualifier	MB MDL ug/m3	MB RDL ug/m3
Butane	U		0.640	0.949
Heptane	U		0.466	0.818
n-Hexane	U		0.504	2.22
Pentane	U		0.505	0.915
(S) 1,4-Bromofluorobenzene	*101*			*60.0-140*

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

(LCS) R4197794-1 04/10/25 09:30 • (LCSD) R4197794-2 04/10/25 10:19

Analyte	Spike Amount ug/m3	LCS Result ug/m3	LCSD Result ug/m3	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Butane	8.90	8.49	8.35	95.5	93.9	70.0-130			1.69	25
Heptane	15.3	15.6	15.1	102	98.1	70.0-130			3.73	25
n-Hexane	13.2	13.6	14.2	103	107	70.0-130			3.80	25
Pentane	11.1	9.92	9.89	89.6	89.3	70.0-130			0.298	25
(S) 1,4-Bromofluorobenzene				*99.8*	*100*	*60.0-140*				

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.
RT	Retention Time.
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.
N	The analyte is tentatively identified and the associated numerical value may not be consistent with the actual concentration present in the sample.

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	LAO000356
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.

M050

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

CTEH
THE SCIENCE OF READY℠

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

CTEH Project # 054017

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 ☐

LIB45751

Lab Contact Information / Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Start Date	Sample Start Time	Sample Stop Date	Sample Stop Time	Initials	Method: EPA TO-15 + TICs	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)
GACO04Ø7MCØ1	MCØ1	1.4	L	Ø4/Ø7/25	1757	Ø4/Ø8/25	1320	LL	X	A01
GACO04Ø7MCØ2	MCØ2	1.4	L	Ø4/Ø7/25	1800	Ø4/Ø8/25	1400	LL	X	A02
GACO04Ø7MCØ3	MCØ3	1.4	L	Ø4/Ø7/25	1820	Ø4/Ø8/25	1450	LL	X	A03
GACO04Ø7MCØ4	MCØ4	1.4	L	Ø4/Ø7/25	1840	Ø4/Ø8/25	1515	LL	X	A04
GACO04Ø7MCØ5	MCØ5	1.4	L	Ø4/Ø8/25	1905	Ø4/Ø8/25	1535	LL	X	A05
GACO04Ø7MCØ6	MCØ6	1.4	L	Ø4/Ø8/25	0050	Ø4/Ø9/25	0007	LL	X	A06
	LL									LL

8804 3603 6610

Sample Receipt Checklist

COC Seal Present/Intact: X Y N NP
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: X Y N
Unused: _____

Airs
Size: ___1L ___6L 6 1.4L
Tage Color: G___ W X P___ B___
Condition: ✓OK ___NCF

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
L.LANG MAIN	4/9/25 12:30	FEDEX	4/9/25 12:30	
		OC	4-10-25 0900	

SDG # _____

Page 1 of 1