ANALYTICAL REPORT

April 23, 2024

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

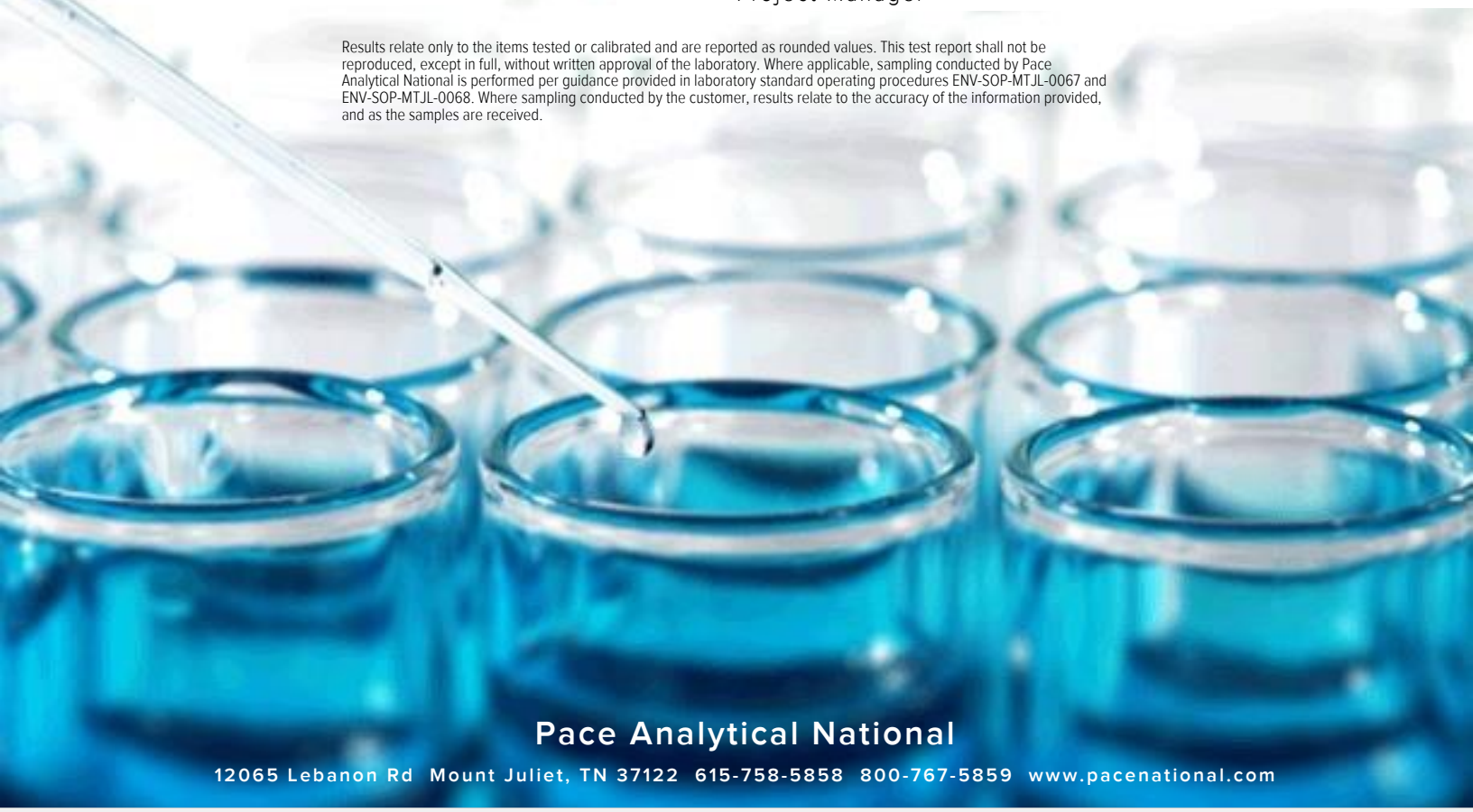
GZA GeoEnvironmental - Brookfield, WI

Sample Delivery Group:	L1727961
Samples Received:	04/20/2024
Project Number:	20.0058985.27.001.00
Description:	Sub-slab and Effluent Sampling
Report To:	Heidi Woelfel 17975 West Sarah Lane Suite 100 Brookfield, WI 53045

Entire Report Reviewed By:

Jason Romer
Project Manager

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



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

TABLE OF CONTENTS

Cp: Cover Page 1

Tc: Table of Contents 2

Ss: Sample Summary 3

Cn: Case Narrative 4

Sr: Sample Results 5

SS-3 L1727961-01 5

SS-4 L1727961-02 7

SS-5 L1727961-03 9

SS-13 L1727961-04 11

SS-14 L1727961-05 13

SS-17 L1727961-06 15

OUTDOOR AIR L1727961-07 17

Qc: Quality Control Summary 19

Volatile Organic Compounds (MS) by Method TO-15 19

Gl: Glossary of Terms 23

Al: Accreditations & Locations 24

Sc: Sample Chain of Custody 25

SS-3 L1727961-01 Air

Collected by: Thomas Herbst | Collected date/time: 04/19/24 13:49 | Received date/time: 04/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2271456	1	04/21/24 16:24	04/21/24 16:24	MNP	Mt. Juliet, TN

SS-4 L1727961-02 Air

Collected by: Thomas Herbst | Collected date/time: 04/19/24 14:23 | Received date/time: 04/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2271456	1	04/21/24 16:52	04/21/24 16:52	MNP	Mt. Juliet, TN

SS-5 L1727961-03 Air

Collected by: Thomas Herbst | Collected date/time: 04/19/24 14:54 | Received date/time: 04/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2271456	1	04/21/24 17:20	04/21/24 17:20	MNP	Mt. Juliet, TN

SS-13 L1727961-04 Air

Collected by: Thomas Herbst | Collected date/time: 04/19/24 13:09 | Received date/time: 04/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2271456	1	04/21/24 17:48	04/21/24 17:48	MNP	Mt. Juliet, TN

SS-14 L1727961-05 Air

Collected by: Thomas Herbst | Collected date/time: 04/19/24 13:38 | Received date/time: 04/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2271456	1	04/21/24 18:15	04/21/24 18:15	MNP	Mt. Juliet, TN

SS-17 L1727961-06 Air

Collected by: Thomas Herbst | Collected date/time: 04/19/24 13:00 | Received date/time: 04/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2271456	1	04/21/24 18:43	04/21/24 18:43	MNP	Mt. Juliet, TN

OUTDOOR AIR L1727961-07 Air

Collected by: Thomas Herbst | Collected date/time: 04/19/24 14:57 | Received date/time: 04/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2271456	1	04/21/24 19:10	04/21/24 19:10	MNP	Mt. Juliet, TN

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

Jason Romer
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.39	4.63	10.8		1	WG2271456
Allyl chloride	107-05-1	76.53	0.357	1.19	U		1	WG2271456
Benzene	71-43-2	78.10	0.228	0.760	0.295	J	1	WG2271456
Benzyl Chloride	100-44-7	127	0.311	1.03	U		1	WG2271456
Bromodichloromethane	75-27-4	164	0.471	1.57	U		1	WG2271456
Bromoform	75-25-2	253	0.757	2.52	U		1	WG2271456
Bromomethane	74-83-9	94.90	0.381	1.27	U		1	WG2271456
1,3-Butadiene	106-99-0	54.10	0.230	0.768	U		1	WG2271456
Carbon disulfide	75-15-0	76.10	0.317	1.06	U		1	WG2271456
Carbon tetrachloride	56-23-5	154	0.461	1.54	1.40	J	1	WG2271456
Chlorobenzene	108-90-7	113	0.385	1.28	U		1	WG2271456
Chloroethane	75-00-3	64.50	0.263	0.876	U		1	WG2271456
Chloroform	67-66-3	119	0.349	1.16	0.715	J	1	WG2271456
Chloromethane	74-87-3	50.50	0.213	0.708	0.644	J	1	WG2271456
2-Chlorotoluene	95-49-8	126	0.427	1.42	U		1	WG2271456
Cyclohexane	110-82-7	84.20	0.259	0.864	U		1	WG2271456
Dibromochloromethane	124-48-1	208	0.618	2.06	U		1	WG2271456
1,2-Dibromoethane	106-93-4	188	0.554	1.85	U		1	WG2271456
1,2-Dichlorobenzene	95-50-1	147	0.770	2.57	U		1	WG2271456
1,3-Dichlorobenzene	541-73-1	147	1.09	3.65	U		1	WG2271456
1,4-Dichlorobenzene	106-46-7	147	0.335	1.12	U		1	WG2271456
1,2-Dichloroethane	107-06-2	99	0.283	0.943	U		1	WG2271456
1,1-Dichloroethane	75-34-3	98	0.290	0.966	U		1	WG2271456
1,1-Dichloroethene	75-35-4	96.90	0.302	1.01	U		1	WG2271456
cis-1,2-Dichloroethene	156-59-2	96.90	0.311	1.03	U		1	WG2271456
trans-1,2-Dichloroethene	156-60-5	96.90	0.267	0.888	U		1	WG2271456
1,2-Dichloropropane	78-87-5	113	0.351	1.17	U		1	WG2271456
cis-1,3-Dichloropropene	10061-01-5	111	0.313	1.04	U		1	WG2271456
trans-1,3-Dichloropropene	10061-02-6	111	0.331	1.10	U		1	WG2271456
1,4-Dioxane	123-91-1	88.10	0.300	1.00	U		1	WG2271456
Ethanol	64-17-5	46.10	0.500	1.66	24.5		1	WG2271456
Ethylbenzene	100-41-4	106	0.362	1.21	0.516	J	1	WG2271456
4-Ethyltoluene	622-96-8	120	0.384	1.28	U		1	WG2271456
Trichlorofluoromethane	75-69-4	137.40	0.460	1.53	1.46	J	1	WG2271456
Dichlorodifluoromethane	75-71-8	120.92	0.678	2.26	2.40		1	WG2271456
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.608	2.02	U		1	WG2271456
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.622	2.08	U		1	WG2271456
Heptane	142-82-5	100	0.425	1.42	1.64		1	WG2271456
Hexachloro-1,3-butadiene	87-68-3	261	1.12	3.74	U		1	WG2271456
n-Hexane	110-54-3	86.20	0.726	2.42	3.17		1	WG2271456
Isopropylbenzene	98-82-8	120.20	0.382	1.27	0.516	J	1	WG2271456
Methylene Chloride	75-09-2	84.90	0.340	1.13	3.68		1	WG2271456
Methyl Butyl Ketone	591-78-6	100	0.544	1.81	U	J3	1	WG2271456
2-Butanone (MEK)	78-93-3	72.10	0.240	0.799	1.75		1	WG2271456
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.313	1.04	U		1	WG2271456
Methyl methacrylate	80-62-6	100.12	0.359	1.20	U		1	WG2271456
MTBE	1634-04-4	88.10	0.233	0.778	U		1	WG2271456
Naphthalene	91-20-3	128	1.83	6.13	U		1	WG2271456
2-Propanol	67-63-0	60.10	0.649	2.16	3.79		1	WG2271456
Propene	115-07-1	42.10	0.160	0.536	U		1	WG2271456
Styrene	100-42-5	104	0.335	1.12	3.19		1	WG2271456
1,1,2,2-Tetrachloroethane	79-34-5	168	0.511	1.70	U		1	WG2271456
Tetrachloroethylene	127-18-4	166	0.553	1.84	1.89		1	WG2271456
Tetrahydrofuran	109-99-9	72.10	0.216	0.722	0.929		1	WG2271456
Toluene	108-88-3	92.10	0.328	1.09	10.6		1	WG2271456
1,2,4-Trichlorobenzene	120-82-1	181	1.10	3.65	U		1	WG2271456

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	1.33	U		1	WG2271456
1,1,2-Trichloroethane	79-00-5	133	0.422	1.40	U		1	WG2271456
Trichloroethylene	79-01-6	131	0.364	1.22	2.29		1	WG2271456
1,2,4-Trimethylbenzene	95-63-6	120	0.375	1.25	0.677	J	1	WG2271456
1,3,5-Trimethylbenzene	108-67-8	120	0.382	1.28	U		1	WG2271456
2,2,4-Trimethylpentane	540-84-1	114.22	0.621	2.07	U		1	WG2271456
Vinyl chloride	75-01-4	62.50	0.243	0.808	U		1	WG2271456
Vinyl Bromide	593-60-2	106.95	0.373	1.24	U		1	WG2271456
Vinyl acetate	108-05-4	86.10	0.408	1.36	U		1	WG2271456
Xylenes, Total	1330-20-7	106.16	0.586	1.95	2.50		1	WG2271456
m&p-Xylene	179601-23-1	106	0.585	1.95	1.74	J	1	WG2271456
o-Xylene	95-47-6	106	0.359	1.20	0.750	J	1	WG2271456
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*94.3*		*60.0-140*	WG2271456

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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.39	4.63	38.3		1	WG2271456
Allyl chloride	107-05-1	76.53	0.357	1.19	U		1	WG2271456
Benzene	71-43-2	78.10	0.228	0.760	0.380	J	1	WG2271456
Benzyl Chloride	100-44-7	127	0.311	1.03	U		1	WG2271456
Bromodichloromethane	75-27-4	164	0.471	1.57	U		1	WG2271456
Bromoform	75-25-2	253	0.757	2.52	U		1	WG2271456
Bromomethane	74-83-9	94.90	0.381	1.27	U		1	WG2271456
1,3-Butadiene	106-99-0	54.10	0.230	0.768	U		1	WG2271456
Carbon disulfide	75-15-0	76.10	0.317	1.06	0.675	J	1	WG2271456
Carbon tetrachloride	56-23-5	154	0.461	1.54	U		1	WG2271456
Chlorobenzene	108-90-7	113	0.385	1.28	U		1	WG2271456
Chloroethane	75-00-3	64.50	0.263	0.876	U		1	WG2271456
Chloroform	67-66-3	119	0.349	1.16	U		1	WG2271456
Chloromethane	74-87-3	50.50	0.213	0.708	0.822		1	WG2271456
2-Chlorotoluene	95-49-8	126	0.427	1.42	U		1	WG2271456
Cyclohexane	110-82-7	84.20	0.259	0.864	U		1	WG2271456
Dibromochloromethane	124-48-1	208	0.618	2.06	U		1	WG2271456
1,2-Dibromoethane	106-93-4	188	0.554	1.85	U		1	WG2271456
1,2-Dichlorobenzene	95-50-1	147	0.770	2.57	U		1	WG2271456
1,3-Dichlorobenzene	541-73-1	147	1.09	3.65	U		1	WG2271456
1,4-Dichlorobenzene	106-46-7	147	0.335	1.12	U		1	WG2271456
1,2-Dichloroethane	107-06-2	99	0.283	0.943	U		1	WG2271456
1,1-Dichloroethane	75-34-3	98	0.290	0.966	U		1	WG2271456
1,1-Dichloroethene	75-35-4	96.90	0.302	1.01	U		1	WG2271456
cis-1,2-Dichloroethene	156-59-2	96.90	0.311	1.03	U		1	WG2271456
trans-1,2-Dichloroethene	156-60-5	96.90	0.267	0.888	U		1	WG2271456
1,2-Dichloropropane	78-87-5	113	0.351	1.17	U		1	WG2271456
cis-1,3-Dichloropropene	10061-01-5	111	0.313	1.04	U		1	WG2271456
trans-1,3-Dichloropropene	10061-02-6	111	0.331	1.10	U		1	WG2271456
1,4-Dioxane	123-91-1	88.10	0.300	1.00	U		1	WG2271456
Ethanol	64-17-5	46.10	0.500	1.66	18.9		1	WG2271456
Ethylbenzene	100-41-4	106	0.362	1.21	0.468	J	1	WG2271456
4-Ethyltoluene	622-96-8	120	0.384	1.28	U		1	WG2271456
Trichlorofluoromethane	75-69-4	137.40	0.460	1.53	1.16	J	1	WG2271456
Dichlorodifluoromethane	75-71-8	120.92	0.678	2.26	2.28		1	WG2271456
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.608	2.02	U		1	WG2271456
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.622	2.08	U		1	WG2271456
Heptane	142-82-5	100	0.425	1.42	0.654	J	1	WG2271456
Hexachloro-1,3-butadiene	87-68-3	261	1.12	3.74	U		1	WG2271456
n-Hexane	110-54-3	86.20	0.726	2.42	U		1	WG2271456
Isopropylbenzene	98-82-8	120.20	0.382	1.27	0.654	J	1	WG2271456
Methylene Chloride	75-09-2	84.90	0.340	1.13	0.618	J	1	WG2271456
Methyl Butyl Ketone	591-78-6	100	0.544	1.81	U	J3	1	WG2271456
2-Butanone (MEK)	78-93-3	72.10	0.240	0.799	3.42		1	WG2271456
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.313	1.04	0.326	J	1	WG2271456
Methyl methacrylate	80-62-6	100.12	0.359	1.20	U		1	WG2271456
MTBE	1634-04-4	88.10	0.233	0.778	U		1	WG2271456
Naphthalene	91-20-3	128	1.83	6.13	U		1	WG2271456
2-Propanol	67-63-0	60.10	0.649	2.16	3.12		1	WG2271456
Propene	115-07-1	42.10	0.160	0.536	U		1	WG2271456
Styrene	100-42-5	104	0.335	1.12	1.56		1	WG2271456
1,1,2,2-Tetrachloroethane	79-34-5	168	0.511	1.70	U		1	WG2271456
Tetrachloroethylene	127-18-4	166	0.553	1.84	U		1	WG2271456
Tetrahydrofuran	109-99-9	72.10	0.216	0.722	1.13		1	WG2271456
Toluene	108-88-3	92.10	0.328	1.09	6.78		1	WG2271456
1,2,4-Trichlorobenzene	120-82-1	181	1.10	3.65	U		1	WG2271456

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	1.33	U		1	WG2271456
1,1,2-Trichloroethane	79-00-5	133	0.422	1.40	U		1	WG2271456
Trichloroethylene	79-01-6	131	0.364	1.22	U		1	WG2271456
1,2,4-Trimethylbenzene	95-63-6	120	0.375	1.25	0.712	J	1	WG2271456
1,3,5-Trimethylbenzene	108-67-8	120	0.382	1.28	U		1	WG2271456
2,2,4-Trimethylpentane	540-84-1	114.22	0.621	2.07	U		1	WG2271456
Vinyl chloride	75-01-4	62.50	0.243	0.808	U		1	WG2271456
Vinyl Bromide	593-60-2	106.95	0.373	1.24	U		1	WG2271456
Vinyl acetate	108-05-4	86.10	0.408	1.36	U		1	WG2271456
Xylenes, Total	1330-20-7	106.16	0.586	1.95	1.96		1	WG2271456
m&p-Xylene	179601-23-1	106	0.585	1.95	1.40	J	1	WG2271456
o-Xylene	95-47-6	106	0.359	1.20	0.559	J	1	WG2271456
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*96.5*		*60.0-140*	WG2271456

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.39	4.63	4.04	J	1	WG2271456
Allyl chloride	107-05-1	76.53	0.357	1.19	U		1	WG2271456
Benzene	71-43-2	78.10	0.228	0.760	U		1	WG2271456
Benzyl Chloride	100-44-7	127	0.311	1.03	U		1	WG2271456
Bromodichloromethane	75-27-4	164	0.471	1.57	U		1	WG2271456
Bromoform	75-25-2	253	0.757	2.52	U		1	WG2271456
Bromomethane	74-83-9	94.90	0.381	1.27	U		1	WG2271456
1,3-Butadiene	106-99-0	54.10	0.230	0.768	U		1	WG2271456
Carbon disulfide	75-15-0	76.10	0.317	1.06	U		1	WG2271456
Carbon tetrachloride	56-23-5	154	0.461	1.54	0.522	J	1	WG2271456
Chlorobenzene	108-90-7	113	0.385	1.28	U		1	WG2271456
Chloroethane	75-00-3	64.50	0.263	0.876	U		1	WG2271456
Chloroform	67-66-3	119	0.349	1.16	U		1	WG2271456
Chloromethane	74-87-3	50.50	0.213	0.708	U		1	WG2271456
2-Chlorotoluene	95-49-8	126	0.427	1.42	U		1	WG2271456
Cyclohexane	110-82-7	84.20	0.259	0.864	U		1	WG2271456
Dibromochloromethane	124-48-1	208	0.618	2.06	U		1	WG2271456
1,2-Dibromoethane	106-93-4	188	0.554	1.85	U		1	WG2271456
1,2-Dichlorobenzene	95-50-1	147	0.770	2.57	U		1	WG2271456
1,3-Dichlorobenzene	541-73-1	147	1.09	3.65	U		1	WG2271456
1,4-Dichlorobenzene	106-46-7	147	0.335	1.12	U		1	WG2271456
1,2-Dichloroethane	107-06-2	99	0.283	0.943	U		1	WG2271456
1,1-Dichloroethane	75-34-3	98	0.290	0.966	U		1	WG2271456
1,1-Dichloroethene	75-35-4	96.90	0.302	1.01	U		1	WG2271456
cis-1,2-Dichloroethene	156-59-2	96.90	0.311	1.03	U		1	WG2271456
trans-1,2-Dichloroethene	156-60-5	96.90	0.267	0.888	U		1	WG2271456
1,2-Dichloropropane	78-87-5	113	0.351	1.17	U		1	WG2271456
cis-1,3-Dichloropropene	10061-01-5	111	0.313	1.04	U		1	WG2271456
trans-1,3-Dichloropropene	10061-02-6	111	0.331	1.10	U		1	WG2271456
1,4-Dioxane	123-91-1	88.10	0.300	1.00	U		1	WG2271456
Ethanol	64-17-5	46.10	0.500	1.66	4.73		1	WG2271456
Ethylbenzene	100-41-4	106	0.362	1.21	U		1	WG2271456
4-Ethyltoluene	622-96-8	120	0.384	1.28	U		1	WG2271456
Trichlorofluoromethane	75-69-4	137.40	0.460	1.53	1.19	J	1	WG2271456
Dichlorodifluoromethane	75-71-8	120.92	0.678	2.26	2.39		1	WG2271456
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.608	2.02	U		1	WG2271456
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.622	2.08	U		1	WG2271456
Heptane	142-82-5	100	0.425	1.42	U		1	WG2271456
Hexachloro-1,3-butadiene	87-68-3	261	1.12	3.74	U		1	WG2271456
n-Hexane	110-54-3	86.20	0.726	2.42	U		1	WG2271456
Isopropylbenzene	98-82-8	120.20	0.382	1.27	1.17	J	1	WG2271456
Methylene Chloride	75-09-2	84.90	0.340	1.13	1.03	J	1	WG2271456
Methyl Butyl Ketone	591-78-6	100	0.544	1.81	U	J3	1	WG2271456
2-Butanone (MEK)	78-93-3	72.10	0.240	0.799	0.448	J	1	WG2271456
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.313	1.04	U		1	WG2271456
Methyl methacrylate	80-62-6	100.12	0.359	1.20	U		1	WG2271456
MTBE	1634-04-4	88.10	0.233	0.778	U		1	WG2271456
Naphthalene	91-20-3	128	1.83	6.13	U		1	WG2271456
2-Propanol	67-63-0	60.10	0.649	2.16	1.10	J	1	WG2271456
Propene	115-07-1	42.10	0.160	0.536	U		1	WG2271456
Styrene	100-42-5	104	0.335	1.12	0.761	J	1	WG2271456
1,1,2,2-Tetrachloroethane	79-34-5	168	0.511	1.70	U		1	WG2271456
Tetrachloroethylene	127-18-4	166	0.553	1.84	U		1	WG2271456
Tetrahydrofuran	109-99-9	72.10	0.216	0.722	U		1	WG2271456
Toluene	108-88-3	92.10	0.328	1.09	8.63		1	WG2271456
1,2,4-Trichlorobenzene	120-82-1	181	1.10	3.65	U		1	WG2271456

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	1.33	U		1	WG2271456
1,1,2-Trichloroethane	79-00-5	133	0.422	1.40	U		1	WG2271456
Trichloroethylene	79-01-6	131	0.364	1.22	0.643	J	1	WG2271456
1,2,4-Trimethylbenzene	95-63-6	120	0.375	1.25	0.820	J	1	WG2271456
1,3,5-Trimethylbenzene	108-67-8	120	0.382	1.28	U		1	WG2271456
2,2,4-Trimethylpentane	540-84-1	114.22	0.621	2.07	U		1	WG2271456
Vinyl chloride	75-01-4	62.50	0.243	0.808	U		1	WG2271456
Vinyl Bromide	593-60-2	106.95	0.373	1.24	U		1	WG2271456
Vinyl acetate	108-05-4	86.10	0.408	1.36	U		1	WG2271456
Xylenes, Total	1330-20-7	106.16	0.586	1.95	0.825	J	1	WG2271456
m&p-Xylene	179601-23-1	106	0.585	1.95	0.824	J	1	WG2271456
o-Xylene	95-47-6	106	0.359	1.20	U		1	WG2271456
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*95.5*		*60.0-140*	WG2271456

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.39	4.63	61.1		1	WG2271456
Allyl chloride	107-05-1	76.53	0.357	1.19	U		1	WG2271456
Benzene	71-43-2	78.10	0.228	0.760	0.591	J	1	WG2271456
Benzyl Chloride	100-44-7	127	0.311	1.03	U		1	WG2271456
Bromodichloromethane	75-27-4	164	0.471	1.57	U		1	WG2271456
Bromoform	75-25-2	253	0.757	2.52	U		1	WG2271456
Bromomethane	74-83-9	94.90	0.381	1.27	U		1	WG2271456
1,3-Butadiene	106-99-0	54.10	0.230	0.768	U		1	WG2271456
Carbon disulfide	75-15-0	76.10	0.317	1.06	0.501	J	1	WG2271456
Carbon tetrachloride	56-23-5	154	0.461	1.54	0.488	J	1	WG2271456
Chlorobenzene	108-90-7	113	0.385	1.28	U		1	WG2271456
Chloroethane	75-00-3	64.50	0.263	0.876	U		1	WG2271456
Chloroform	67-66-3	119	0.349	1.16	U		1	WG2271456
Chloromethane	74-87-3	50.50	0.213	0.708	1.21		1	WG2271456
2-Chlorotoluene	95-49-8	126	0.427	1.42	U		1	WG2271456
Cyclohexane	110-82-7	84.20	0.259	0.864	0.317	J	1	WG2271456
Dibromochloromethane	124-48-1	208	0.618	2.06	U		1	WG2271456
1,2-Dibromoethane	106-93-4	188	0.554	1.85	U		1	WG2271456
1,2-Dichlorobenzene	95-50-1	147	0.770	2.57	U		1	WG2271456
1,3-Dichlorobenzene	541-73-1	147	1.09	3.65	U		1	WG2271456
1,4-Dichlorobenzene	106-46-7	147	0.335	1.12	U		1	WG2271456
1,2-Dichloroethane	107-06-2	99	0.283	0.943	U		1	WG2271456
1,1-Dichloroethane	75-34-3	98	0.290	0.966	U		1	WG2271456
1,1-Dichloroethene	75-35-4	96.90	0.302	1.01	U		1	WG2271456
cis-1,2-Dichloroethene	156-59-2	96.90	0.311	1.03	U		1	WG2271456
trans-1,2-Dichloroethene	156-60-5	96.90	0.267	0.888	U		1	WG2271456
1,2-Dichloropropane	78-87-5	113	0.351	1.17	U		1	WG2271456
cis-1,3-Dichloropropene	10061-01-5	111	0.313	1.04	U		1	WG2271456
trans-1,3-Dichloropropene	10061-02-6	111	0.331	1.10	U		1	WG2271456
1,4-Dioxane	123-91-1	88.10	0.300	1.00	U		1	WG2271456
Ethanol	64-17-5	46.10	0.500	1.66	57.3		1	WG2271456
Ethylbenzene	100-41-4	106	0.362	1.21	0.611	J	1	WG2271456
4-Ethyltoluene	622-96-8	120	0.384	1.28	U		1	WG2271456
Trichlorofluoromethane	75-69-4	137.40	0.460	1.53	1.18	J	1	WG2271456
Dichlorodifluoromethane	75-71-8	120.92	0.678	2.26	2.24	J	1	WG2271456
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.608	2.02	U		1	WG2271456
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.622	2.08	U		1	WG2271456
Heptane	142-82-5	100	0.425	1.42	1.28	J	1	WG2271456
Hexachloro-1,3-butadiene	87-68-3	261	1.12	3.74	U		1	WG2271456
n-Hexane	110-54-3	86.20	0.726	2.42	1.13	J	1	WG2271456
Isopropylbenzene	98-82-8	120.20	0.382	1.27	0.846	J	1	WG2271456
Methylene Chloride	75-09-2	84.90	0.340	1.13	1.00	J	1	WG2271456
Methyl Butyl Ketone	591-78-6	100	0.544	1.81	9.41	J3	1	WG2271456
2-Butanone (MEK)	78-93-3	72.10	0.240	0.799	8.91		1	WG2271456
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.313	1.04	0.512	J	1	WG2271456
Methyl methacrylate	80-62-6	100.12	0.359	1.20	U		1	WG2271456
MTBE	1634-04-4	88.10	0.233	0.778	U		1	WG2271456
Naphthalene	91-20-3	128	1.83	6.13	U		1	WG2271456
2-Propanol	67-63-0	60.10	0.649	2.16	4.33		1	WG2271456
Propene	115-07-1	42.10	0.160	0.536	U		1	WG2271456
Styrene	100-42-5	104	0.335	1.12	7.66		1	WG2271456
1,1,2,2-Tetrachloroethane	79-34-5	168	0.511	1.70	U		1	WG2271456
Tetrachloroethylene	127-18-4	166	0.553	1.84	U		1	WG2271456
Tetrahydrofuran	109-99-9	72.10	0.216	0.722	7.61		1	WG2271456
Toluene	108-88-3	92.10	0.328	1.09	14.4		1	WG2271456
1,2,4-Trichlorobenzene	120-82-1	181	1.10	3.65	U		1	WG2271456

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	1.33	U		1	WG2271456
1,1,2-Trichloroethane	79-00-5	133	0.422	1.40	U		1	WG2271456
Trichloroethylene	79-01-6	131	0.364	1.22	U		1	WG2271456
1,2,4-Trimethylbenzene	95-63-6	120	0.375	1.25	1.12	J	1	WG2271456
1,3,5-Trimethylbenzene	108-67-8	120	0.382	1.28	U		1	WG2271456
2,2,4-Trimethylpentane	540-84-1	114.22	0.621	2.07	U		1	WG2271456
Vinyl chloride	75-01-4	62.50	0.243	0.808	U		1	WG2271456
Vinyl Bromide	593-60-2	106.95	0.373	1.24	U		1	WG2271456
Vinyl acetate	108-05-4	86.10	0.408	1.36	U		1	WG2271456
Xylenes, Total	1330-20-7	106.16	0.586	1.95	3.00		1	WG2271456
m&p-Xylene	179601-23-1	106	0.585	1.95	2.09		1	WG2271456
o-Xylene	95-47-6	106	0.359	1.20	0.902	J	1	WG2271456
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*97.5*		*60.0-140*	WG2271456

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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.39	4.63	32.1		1	WG2271456
Allyl chloride	107-05-1	76.53	0.357	1.19	U		1	WG2271456
Benzene	71-43-2	78.10	0.228	0.760	0.840		1	WG2271456
Benzyl Chloride	100-44-7	127	0.311	1.03	U		1	WG2271456
Bromodichloromethane	75-27-4	164	0.471	1.57	U		1	WG2271456
Bromoform	75-25-2	253	0.757	2.52	U		1	WG2271456
Bromomethane	74-83-9	94.90	0.381	1.27	U		1	WG2271456
1,3-Butadiene	106-99-0	54.10	0.230	0.768	U		1	WG2271456
Carbon disulfide	75-15-0	76.10	0.317	1.06	0.330	J	1	WG2271456
Carbon tetrachloride	56-23-5	154	0.461	1.54	1.09	J	1	WG2271456
Chlorobenzene	108-90-7	113	0.385	1.28	U		1	WG2271456
Chloroethane	75-00-3	64.50	0.263	0.876	0.272	J	1	WG2271456
Chloroform	67-66-3	119	0.349	1.16	0.531	J	1	WG2271456
Chloromethane	74-87-3	50.50	0.213	0.708	0.892		1	WG2271456
2-Chlorotoluene	95-49-8	126	0.427	1.42	U		1	WG2271456
Cyclohexane	110-82-7	84.20	0.259	0.864	U		1	WG2271456
Dibromochloromethane	124-48-1	208	0.618	2.06	U		1	WG2271456
1,2-Dibromoethane	106-93-4	188	0.554	1.85	U		1	WG2271456
1,2-Dichlorobenzene	95-50-1	147	0.770	2.57	U		1	WG2271456
1,3-Dichlorobenzene	541-73-1	147	1.09	3.65	U		1	WG2271456
1,4-Dichlorobenzene	106-46-7	147	0.335	1.12	U		1	WG2271456
1,2-Dichloroethane	107-06-2	99	0.283	0.943	U		1	WG2271456
1,1-Dichloroethane	75-34-3	98	0.290	0.966	U		1	WG2271456
1,1-Dichloroethene	75-35-4	96.90	0.302	1.01	U		1	WG2271456
cis-1,2-Dichloroethene	156-59-2	96.90	0.311	1.03	0.440	J	1	WG2271456
trans-1,2-Dichloroethene	156-60-5	96.90	0.267	0.888	U		1	WG2271456
1,2-Dichloropropane	78-87-5	113	0.351	1.17	U		1	WG2271456
cis-1,3-Dichloropropene	10061-01-5	111	0.313	1.04	U		1	WG2271456
trans-1,3-Dichloropropene	10061-02-6	111	0.331	1.10	U		1	WG2271456
1,4-Dioxane	123-91-1	88.10	0.300	1.00	U		1	WG2271456
Ethanol	64-17-5	46.10	0.500	1.66	23.0		1	WG2271456
Ethylbenzene	100-41-4	106	0.362	1.21	16.2		1	WG2271456
4-Ethyltoluene	622-96-8	120	0.384	1.28	U		1	WG2271456
Trichlorofluoromethane	75-69-4	137.40	0.460	1.53	1.20	J	1	WG2271456
Dichlorodifluoromethane	75-71-8	120.92	0.678	2.26	2.21	J	1	WG2271456
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.608	2.02	U		1	WG2271456
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.622	2.08	U		1	WG2271456
Heptane	142-82-5	100	0.425	1.42	0.814	J	1	WG2271456
Hexachloro-1,3-butadiene	87-68-3	261	1.12	3.74	U		1	WG2271456
n-Hexane	110-54-3	86.20	0.726	2.42	2.19	J	1	WG2271456
Isopropylbenzene	98-82-8	120.20	0.382	1.27	1.79		1	WG2271456
Methylene Chloride	75-09-2	84.90	0.340	1.13	2.32		1	WG2271456
Methyl Butyl Ketone	591-78-6	100	0.544	1.81	U	J3	1	WG2271456
2-Butanone (MEK)	78-93-3	72.10	0.240	0.799	5.87		1	WG2271456
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.313	1.04	U		1	WG2271456
Methyl methacrylate	80-62-6	100.12	0.359	1.20	U		1	WG2271456
MTBE	1634-04-4	88.10	0.233	0.778	U		1	WG2271456
Naphthalene	91-20-3	128	1.83	6.13	U		1	WG2271456
2-Propanol	67-63-0	60.10	0.649	2.16	3.05		1	WG2271456
Propene	115-07-1	42.10	0.160	0.536	U		1	WG2271456
Styrene	100-42-5	104	0.335	1.12	4.81		1	WG2271456
1,1,2,2-Tetrachloroethane	79-34-5	168	0.511	1.70	U		1	WG2271456
Tetrachloroethylene	127-18-4	166	0.553	1.84	0.706	J	1	WG2271456
Tetrahydrofuran	109-99-9	72.10	0.216	0.722	2.19		1	WG2271456
Toluene	108-88-3	92.10	0.328	1.09	10.1		1	WG2271456
1,2,4-Trichlorobenzene	120-82-1	181	1.10	3.65	U		1	WG2271456

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	1.33	U		1	WG2271456
1,1,2-Trichloroethane	79-00-5	133	0.422	1.40	U		1	WG2271456
Trichloroethylene	79-01-6	131	0.364	1.22	5.35		1	WG2271456
1,2,4-Trimethylbenzene	95-63-6	120	0.375	1.25	0.942	J	1	WG2271456
1,3,5-Trimethylbenzene	108-67-8	120	0.382	1.28	U		1	WG2271456
2,2,4-Trimethylpentane	540-84-1	114.22	0.621	2.07	U		1	WG2271456
Vinyl chloride	75-01-4	62.50	0.243	0.808	U		1	WG2271456
Vinyl Bromide	593-60-2	106.95	0.373	1.24	U		1	WG2271456
Vinyl acetate	108-05-4	86.10	0.408	1.36	U		1	WG2271456
Xylenes, Total	1330-20-7	106.16	0.586	1.95	60.8		1	WG2271456
m&p-Xylene	179601-23-1	106	0.585	1.95	36.7		1	WG2271456
o-Xylene	95-47-6	106	0.359	1.20	23.8		1	WG2271456
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*98.7*		*60.0-140*	WG2271456

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.39	4.63	57.5		1	WG2271456
Allyl chloride	107-05-1	76.53	0.357	1.19	U		1	WG2271456
Benzene	71-43-2	78.10	0.228	0.760	0.415	J	1	WG2271456
Benzyl Chloride	100-44-7	127	0.311	1.03	U		1	WG2271456
Bromodichloromethane	75-27-4	164	0.471	1.57	U		1	WG2271456
Bromoform	75-25-2	253	0.757	2.52	U		1	WG2271456
Bromomethane	74-83-9	94.90	0.381	1.27	U		1	WG2271456
1,3-Butadiene	106-99-0	54.10	0.230	0.768	U		1	WG2271456
Carbon disulfide	75-15-0	76.10	0.317	1.06	U		1	WG2271456
Carbon tetrachloride	56-23-5	154	0.461	1.54	12.6		1	WG2271456
Chlorobenzene	108-90-7	113	0.385	1.28	U		1	WG2271456
Chloroethane	75-00-3	64.50	0.263	0.876	U		1	WG2271456
Chloroform	67-66-3	119	0.349	1.16	4.79		1	WG2271456
Chloromethane	74-87-3	50.50	0.213	0.708	0.768		1	WG2271456
2-Chlorotoluene	95-49-8	126	0.427	1.42	U		1	WG2271456
Cyclohexane	110-82-7	84.20	0.259	0.864	U		1	WG2271456
Dibromochloromethane	124-48-1	208	0.618	2.06	U		1	WG2271456
1,2-Dibromoethane	106-93-4	188	0.554	1.85	U		1	WG2271456
1,2-Dichlorobenzene	95-50-1	147	0.770	2.57	U		1	WG2271456
1,3-Dichlorobenzene	541-73-1	147	1.09	3.65	U		1	WG2271456
1,4-Dichlorobenzene	106-46-7	147	0.335	1.12	U		1	WG2271456
1,2-Dichloroethane	107-06-2	99	0.283	0.943	U		1	WG2271456
1,1-Dichloroethane	75-34-3	98	0.290	0.966	U		1	WG2271456
1,1-Dichloroethene	75-35-4	96.90	0.302	1.01	U		1	WG2271456
cis-1,2-Dichloroethene	156-59-2	96.90	0.311	1.03	1.19		1	WG2271456
trans-1,2-Dichloroethene	156-60-5	96.90	0.267	0.888	U		1	WG2271456
1,2-Dichloropropane	78-87-5	113	0.351	1.17	U		1	WG2271456
cis-1,3-Dichloropropene	10061-01-5	111	0.313	1.04	U		1	WG2271456
trans-1,3-Dichloropropene	10061-02-6	111	0.331	1.10	U		1	WG2271456
1,4-Dioxane	123-91-1	88.10	0.300	1.00	U		1	WG2271456
Ethanol	64-17-5	46.10	0.500	1.66	43.0		1	WG2271456
Ethylbenzene	100-41-4	106	0.362	1.21	4.02		1	WG2271456
4-Ethyltoluene	622-96-8	120	0.384	1.28	0.391	J	1	WG2271456
Trichlorofluoromethane	75-69-4	137.40	0.460	1.53	1.72		1	WG2271456
Dichlorodifluoromethane	75-71-8	120.92	0.678	2.26	2.28		1	WG2271456
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.608	2.02	U		1	WG2271456
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.622	2.08	U		1	WG2271456
Heptane	142-82-5	100	0.425	1.42	1.49		1	WG2271456
Hexachloro-1,3-butadiene	87-68-3	261	1.12	3.74	U		1	WG2271456
n-Hexane	110-54-3	86.20	0.726	2.42	1.60	J	1	WG2271456
Isopropylbenzene	98-82-8	120.20	0.382	1.27	1.12	J	1	WG2271456
Methylene Chloride	75-09-2	84.90	0.340	1.13	1.14		1	WG2271456
Methyl Butyl Ketone	591-78-6	100	0.544	1.81	9.78	J3	1	WG2271456
2-Butanone (MEK)	78-93-3	72.10	0.240	0.799	14.2		1	WG2271456
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.313	1.04	0.393	J	1	WG2271456
Methyl methacrylate	80-62-6	100.12	0.359	1.20	U		1	WG2271456
MTBE	1634-04-4	88.10	0.233	0.778	U		1	WG2271456
Naphthalene	91-20-3	128	1.83	6.13	U		1	WG2271456
2-Propanol	67-63-0	60.10	0.649	2.16	5.51		1	WG2271456
Propene	115-07-1	42.10	0.160	0.536	U		1	WG2271456
Styrene	100-42-5	104	0.335	1.12	12.8		1	WG2271456
1,1,2,2-Tetrachloroethane	79-34-5	168	0.511	1.70	U		1	WG2271456
Tetrachloroethylene	127-18-4	166	0.553	1.84	5.67		1	WG2271456
Tetrahydrofuran	109-99-9	72.10	0.216	0.722	3.63		1	WG2271456
Toluene	108-88-3	92.10	0.328	1.09	21.9		1	WG2271456
1,2,4-Trichlorobenzene	120-82-1	181	1.10	3.65	U		1	WG2271456

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	1.33	U		1	WG2271456
1,1,2-Trichloroethane	79-00-5	133	0.422	1.40	U		1	WG2271456
Trichloroethylene	79-01-6	131	0.364	1.22	12.3		1	WG2271456
1,2,4-Trimethylbenzene	95-63-6	120	0.375	1.25	1.25	J	1	WG2271456
1,3,5-Trimethylbenzene	108-67-8	120	0.382	1.28	U		1	WG2271456
2,2,4-Trimethylpentane	540-84-1	114.22	0.621	2.07	U		1	WG2271456
Vinyl chloride	75-01-4	62.50	0.243	0.808	U		1	WG2271456
Vinyl Bromide	593-60-2	106.95	0.373	1.24	U		1	WG2271456
Vinyl acetate	108-05-4	86.10	0.408	1.36	U		1	WG2271456
Xylenes, Total	1330-20-7	106.16	0.586	1.95	26.3		1	WG2271456
m&p-Xylene	179601-23-1	106	0.585	1.95	18.4		1	WG2271456
o-Xylene	95-47-6	106	0.359	1.20	7.85		1	WG2271456
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*98.4*		*60.0-140*	WG2271456

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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.39	4.63	3.59	J	1	WG2271456
Allyl chloride	107-05-1	76.53	0.357	1.19	U		1	WG2271456
Benzene	71-43-2	78.10	0.228	0.760	U		1	WG2271456
Benzyl Chloride	100-44-7	127	0.311	1.03	U		1	WG2271456
Bromodichloromethane	75-27-4	164	0.471	1.57	U		1	WG2271456
Bromoform	75-25-2	253	0.757	2.52	U		1	WG2271456
Bromomethane	74-83-9	94.90	0.381	1.27	U		1	WG2271456
1,3-Butadiene	106-99-0	54.10	0.230	0.768	U		1	WG2271456
Carbon disulfide	75-15-0	76.10	0.317	1.06	U		1	WG2271456
Carbon tetrachloride	56-23-5	154	0.461	1.54	0.470	J	1	WG2271456
Chlorobenzene	108-90-7	113	0.385	1.28	U		1	WG2271456
Chloroethane	75-00-3	64.50	0.263	0.876	U		1	WG2271456
Chloroform	67-66-3	119	0.349	1.16	U		1	WG2271456
Chloromethane	74-87-3	50.50	0.213	0.708	0.719		1	WG2271456
2-Chlorotoluene	95-49-8	126	0.427	1.42	U		1	WG2271456
Cyclohexane	110-82-7	84.20	0.259	0.864	U		1	WG2271456
Dibromochloromethane	124-48-1	208	0.618	2.06	U		1	WG2271456
1,2-Dibromoethane	106-93-4	188	0.554	1.85	U		1	WG2271456
1,2-Dichlorobenzene	95-50-1	147	0.770	2.57	U		1	WG2271456
1,3-Dichlorobenzene	541-73-1	147	1.09	3.65	U		1	WG2271456
1,4-Dichlorobenzene	106-46-7	147	0.335	1.12	U		1	WG2271456
1,2-Dichloroethane	107-06-2	99	0.283	0.943	U		1	WG2271456
1,1-Dichloroethane	75-34-3	98	0.290	0.966	U		1	WG2271456
1,1-Dichloroethene	75-35-4	96.90	0.302	1.01	U		1	WG2271456
cis-1,2-Dichloroethene	156-59-2	96.90	0.311	1.03	U		1	WG2271456
trans-1,2-Dichloroethene	156-60-5	96.90	0.267	0.888	U		1	WG2271456
1,2-Dichloropropane	78-87-5	113	0.351	1.17	U		1	WG2271456
cis-1,3-Dichloropropene	10061-01-5	111	0.313	1.04	U		1	WG2271456
trans-1,3-Dichloropropene	10061-02-6	111	0.331	1.10	U		1	WG2271456
1,4-Dioxane	123-91-1	88.10	0.300	1.00	U		1	WG2271456
Ethanol	64-17-5	46.10	0.500	1.66	3.56		1	WG2271456
Ethylbenzene	100-41-4	106	0.362	1.21	U		1	WG2271456
4-Ethyltoluene	622-96-8	120	0.384	1.28	U		1	WG2271456
Trichlorofluoromethane	75-69-4	137.40	0.460	1.53	1.20	J	1	WG2271456
Dichlorodifluoromethane	75-71-8	120.92	0.678	2.26	1.61	J	1	WG2271456
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.608	2.02	U		1	WG2271456
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.622	2.08	U		1	WG2271456
Heptane	142-82-5	100	0.425	1.42	U		1	WG2271456
Hexachloro-1,3-butadiene	87-68-3	261	1.12	3.74	U		1	WG2271456
n-Hexane	110-54-3	86.20	0.726	2.42	U		1	WG2271456
Isopropylbenzene	98-82-8	120.20	0.382	1.27	U		1	WG2271456
Methylene Chloride	75-09-2	84.90	0.340	1.13	0.493	J	1	WG2271456
Methyl Butyl Ketone	591-78-6	100	0.544	1.81	U	J3	1	WG2271456
2-Butanone (MEK)	78-93-3	72.10	0.240	0.799	0.534	J	1	WG2271456
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.313	1.04	U		1	WG2271456
Methyl methacrylate	80-62-6	100.12	0.359	1.20	U		1	WG2271456
MTBE	1634-04-4	88.10	0.233	0.778	U		1	WG2271456
Naphthalene	91-20-3	128	1.83	6.13	U		1	WG2271456
2-Propanol	67-63-0	60.10	0.649	2.16	U		1	WG2271456
Propene	115-07-1	42.10	0.160	0.536	U		1	WG2271456
Styrene	100-42-5	104	0.335	1.12	U		1	WG2271456
1,1,2,2-Tetrachloroethane	79-34-5	168	0.511	1.70	U		1	WG2271456
Tetrachloroethylene	127-18-4	166	0.553	1.84	U		1	WG2271456
Tetrahydrofuran	109-99-9	72.10	0.216	0.722	U		1	WG2271456
Toluene	108-88-3	92.10	0.328	1.09	0.433	J	1	WG2271456
1,2,4-Trichlorobenzene	120-82-1	181	1.10	3.65	U		1	WG2271456

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	1.33	U		1	WG2271456
1,1,2-Trichloroethane	79-00-5	133	0.422	1.40	U		1	WG2271456
Trichloroethylene	79-01-6	131	0.364	1.22	U		1	WG2271456
1,2,4-Trimethylbenzene	95-63-6	120	0.375	1.25	U		1	WG2271456
1,3,5-Trimethylbenzene	108-67-8	120	0.382	1.28	U		1	WG2271456
2,2,4-Trimethylpentane	540-84-1	114.22	0.621	2.07	U		1	WG2271456
Vinyl chloride	75-01-4	62.50	0.243	0.808	U		1	WG2271456
Vinyl Bromide	593-60-2	106.95	0.373	1.24	U		1	WG2271456
Vinyl acetate	108-05-4	86.10	0.408	1.36	U		1	WG2271456
Xylenes, Total	1330-20-7	106.16	0.586	1.95	U		1	WG2271456
m&p-Xylene	179601-23-1	106	0.585	1.95	U		1	WG2271456
o-Xylene	95-47-6	106	0.359	1.20	U		1	WG2271456
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*95.1*		*60.0-140*	WG2271456

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

Method Blank (MB)

(MB) R4060810-2 04/21/24 10:17

Analyte	MB Result ug/m3	MB Qualifier	MB MDL ug/m3	MB RDL ug/m3
Acetone	U		1.39	2.97
Allyl chloride	U		0.357	0.626
Benzene	U		0.228	0.639
Benzyl Chloride	U		0.311	1.04
Bromodichloromethane	U		0.471	1.34
Bromoform	U		0.757	6.21
Bromomethane	U		0.381	0.776
1,3-Butadiene	U		0.230	4.43
Carbon disulfide	U		0.317	0.622
Carbon tetrachloride	U		0.461	1.26
Chlorobenzene	U		0.385	0.924
Chloroethane	U		0.263	0.528
Chloroform	U		0.349	0.973
Chloromethane	U		0.213	0.413
2-Chlorotoluene	U		0.427	1.03
Cyclohexane	U		0.259	0.689
Dibromochloromethane	U		0.618	1.70
1,2-Dibromoethane	U		0.554	1.54
1,2-Dichlorobenzene	U		0.770	1.20
1,3-Dichlorobenzene	U		1.09	1.20
1,4-Dichlorobenzene	U		0.335	1.20
1,2-Dichloroethane	U		0.283	0.810
1,1-Dichloroethane	U		0.290	0.802
1,1-Dichloroethene	U		0.302	0.793
cis-1,2-Dichloroethene	U		0.311	0.793
trans-1,2-Dichloroethene	U		0.267	0.793
1,2-Dichloropropane	U		0.351	0.924
cis-1,3-Dichloropropene	U		0.313	0.908
trans-1,3-Dichloropropene	U		0.331	0.908
1,4-Dioxane	U		0.300	2.27
Ethanol	U		0.500	4.71
Ethylbenzene	U		0.362	0.867
4-Ethyltoluene	U		0.384	0.982
Trichlorofluoromethane	U		0.460	1.12
Dichlorodifluoromethane	U		0.678	0.989
1,1,2-Trichlorotrifluoroethane	U		0.608	1.53
1,2-Dichlorotetrafluoroethane	U		0.622	1.40
Heptane	U		0.425	0.818
Hexachloro-1,3-butadiene	U		1.12	6.73
n-Hexane	U		0.726	2.22

Method Blank (MB)

(MB) R4060810-2 04/21/24 10:17

Analyte	MB Result ug/m3	MB Qualifier	MB MDL ug/m3	MB RDL ug/m3
Isopropylbenzene	U		0.382	0.983
Methylene Chloride	U		0.340	0.694
Methyl Butyl Ketone	U		0.544	5.11
2-Butanone (MEK)	U		0.240	3.69
4-Methyl-2-pentanone (MIBK)	U		0.313	5.12
Methyl methacrylate	U		0.359	0.819
MTBE	U		0.233	0.721
Naphthalene	U		1.83	3.30
2-Propanol	U		0.649	3.07
Propene	U		0.160	2.15
Styrene	U		0.335	0.851
1,1,2,2-Tetrachloroethane	U		0.511	1.37
Tetrachloroethylene	U		0.553	1.36
Tetrahydrofuran	U		0.216	0.590
Toluene	U		0.328	1.88
1,2,4-Trichlorobenzene	U		1.10	4.66
1,1,1-Trichloroethane	U		0.400	1.09
1,1,2-Trichloroethane	U		0.422	1.09
Trichloroethylene	U		0.364	1.07
1,2,4-Trimethylbenzene	U		0.375	0.982
1,3,5-Trimethylbenzene	U		0.382	0.982
2,2,4-Trimethylpentane	U		0.621	0.934
Vinyl chloride	U		0.243	0.511
Vinyl Bromide	U		0.373	0.875
Vinyl acetate	U		0.408	2.22
Xylenes, Total	U		0.586	2.61
m&p-Xylene	U		0.585	1.73
o-Xylene	U		0.359	0.867
(S) 1,4-Bromofluorobenzene	*95.7*			*60.0-140*

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

(LCS) R4060810-1 04/21/24 09:50 • (LCSD) R4060810-3 04/21/24 10:53

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	8.98	9.17	101	103	70.0-130			2.09	25
Allyl chloride	11.7	11.6	11.8	99.2	101	70.0-130			1.60	25
Benzene	12.0	12.0	12.0	100	100	70.0-130			0.000	25
Benzyl Chloride	19.5	22.2	22.6	114	116	70.0-152			1.85	25

QUALITY CONTROL SUMMARY

L1727961-01,02,03,04,05,06,07

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

(LCS) R4060810-1 04/21/24 09:50 • (LCSD) R4060810-3 04/21/24 10:53

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 %
Bromodichloromethane	25.2	25.6	26.0	102	103	70.0-130			1.56	25
Bromoform	38.8	39.3	38.9	101	100	70.0-130			1.06	25
Bromomethane	14.6	14.3	14.4	98.4	99.2	70.0-130			0.810	25
1,3-Butadiene	8.30	7.97	7.86	96.0	94.7	70.0-130			1.40	25
Carbon disulfide	11.7	11.7	11.7	101	100	70.0-130			0.532	25
Carbon tetrachloride	23.6	24.1	24.1	102	102	70.0-130			0.261	25
Chlorobenzene	17.3	17.2	17.5	99.2	101	70.0-130			1.60	25
Chloroethane	9.89	9.73	9.81	98.4	99.2	70.0-130			0.810	25
Chloroform	18.3	18.4	18.5	101	102	70.0-130			0.526	25
Chloromethane	7.75	7.75	7.91	100	102	70.0-130			2.11	25
2-Chlorotoluene	19.3	19.9	19.9	103	103	70.0-130			0.000	25
Cyclohexane	12.9	12.9	12.9	100	99.7	70.0-130			0.533	25
Dibromochloromethane	31.9	32.5	32.7	102	102	70.0-130			0.522	25
1,2-Dibromoethane	28.8	29.5	29.8	102	103	70.0-130			0.778	25
1,2-Dichlorobenzene	22.5	23.6	24.0	105	106	70.0-130			1.77	25
1,3-Dichlorobenzene	22.5	24.0	24.0	106	106	70.0-130			0.000	25
1,4-Dichlorobenzene	22.5	24.3	24.3	108	108	70.0-130			0.247	25
1,2-Dichloroethane	15.2	15.2	15.3	100	101	70.0-130			1.06	25
1,1-Dichloroethane	15.0	15.3	15.2	102	101	70.0-130			0.788	25
1,1-Dichloroethene	14.9	14.9	14.9	101	101	70.0-130			0.000	25
cis-1,2-Dichloroethene	14.9	15.1	15.1	101	102	70.0-130			0.525	25
trans-1,2-Dichloroethene	14.9	15.1	14.1	102	95.2	70.0-130			6.50	25
1,2-Dichloropropane	17.3	17.5	17.5	101	101	70.0-130			0.000	25
cis-1,3-Dichloropropene	17.0	18.4	18.5	108	109	70.0-130			0.493	25
trans-1,3-Dichloropropene	17.0	17.7	17.3	104	101	70.0-130			2.34	25
1,4-Dioxane	13.5	14.3	16.6	106	123	70.0-140			15.0	25
Ethanol	7.07	6.66	6.83	94.1	96.5	55.0-148			2.52	25
Ethylbenzene	16.3	16.5	16.6	102	102	70.0-130			0.524	25
4-Ethyltoluene	18.4	19.4	19.7	105	107	70.0-130			1.51	25
Trichlorofluoromethane	21.1	21.5	21.6	102	102	70.0-130			0.261	25
Dichlorodifluoromethane	18.5	18.6	18.9	100	102	64.0-139			1.58	25
1,1,2-Trichlorotrifluoroethane	28.7	28.8	28.9	100	101	70.0-130			0.266	25
1,2-Dichlorotetrafluoroethane	26.2	26.3	26.6	100	102	70.0-130			1.32	25
Heptane	15.3	15.5	15.7	101	102	70.0-130			1.31	25
Hexachloro-1,3-butadiene	40.0	39.4	40.8	98.4	102	70.0-151			3.46	25
n-Hexane	13.2	13.0	13.3	98.7	101	70.0-130			1.87	25
Isopropylbenzene	18.4	18.7	18.7	102	101	70.0-130			0.263	25
Methylene Chloride	13.0	12.8	13.2	98.4	101	70.0-130			2.67	25
Methyl Butyl Ketone	15.3	14.2	19.3	92.5	126	70.0-149		J3	30.3	25
2-Butanone (MEK)	11.1	11.2	11.3	101	102	70.0-130			0.786	25

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

(LCS) R4060810-1 04/21/24 09:50 • (LCSD) R4060810-3 04/21/24 10:53

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 %
4-Methyl-2-pentanone (MIBK)	15.4	16.6	16.7	108	109	70.0-139			0.493	25
Methyl methacrylate	15.4	15.4	15.4	100	100	70.0-130			0.000	25
MTBE	13.5	13.4	13.4	99.5	99.5	70.0-130			0.000	25
Naphthalene	19.6	20.2	20.7	103	105	70.0-159			2.30	25
2-Propanol	9.22	9.05	9.12	98.1	98.9	70.0-139			0.812	25
Propene	6.46	6.20	6.22	96.0	96.3	64.0-144			0.277	25
Styrene	16.0	16.5	16.2	103	102	70.0-130			1.56	25
1,1,2,2-Tetrachloroethane	25.8	26.5	26.6	103	103	70.0-130			0.259	25
Tetrachloroethylene	25.5	25.4	26.3	99.7	103	70.0-130			3.42	25
Tetrahydrofuran	11.1	10.7	10.9	96.8	98.1	70.0-137			1.37	25
Toluene	14.1	14.4	14.4	102	102	70.0-130			0.262	25
1,2,4-Trichlorobenzene	27.8	28.3	29.6	102	107	70.0-160			4.60	25
1,1,1-Trichloroethane	20.4	20.7	20.8	102	102	70.0-130			0.524	25
1,1,2-Trichloroethane	20.4	20.7	20.6	101	101	70.0-130			0.264	25
Trichloroethylene	20.1	20.0	20.1	99.7	100	70.0-130			0.533	25
1,2,4-Trimethylbenzene	18.4	19.4	19.4	106	106	70.0-130			0.000	25
1,3,5-Trimethylbenzene	18.4	19.0	19.2	103	105	70.0-130			1.03	25
2,2,4-Trimethylpentane	17.5	17.7	18.0	101	103	70.0-130			1.83	25
Vinyl chloride	9.59	9.66	9.48	101	98.9	70.0-130			1.87	25
Vinyl Bromide	16.4	16.5	16.7	101	102	70.0-130			1.05	25
Vinyl acetate	13.2	10.8	9.82	81.6	74.4	70.0-130			9.23	25
Xylenes, Total	49.1	50.4	50.8	103	104	70.0-130			0.858	25
m&p-Xylene	32.5	33.5	33.8	103	104	70.0-130			1.03	25
o-Xylene	16.3	16.8	17.1	103	105	70.0-130			1.53	25
(S) 1,4-Bromofluorobenzene				*101*	*101*	*60.0-140*				

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.
J3	The associated batch QC was outside the established quality control range for precision.

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.

L-030

Pace

Pace® Location Requested (City/State):

Air CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Sample Receipt Checklist
COC Seal Present/Intact: Y N Airs 7
COC Signed/Accurate: Y N Size: ___1L ___6L ___1.4L
Bottles arrive intact: Y N Tage Color: G 7 W P B
Correct bottles used: Y N Tubing ___ Shunt ___
Unused: _____ T/P#: _____

Company Name: GZA GeoEnvironmental - Brookfield, WI
Street Address: 17975 West Sarah Lane
City, State Zip:
Customer Project #: 20.0058985.27.001.00
Project Name: Sub-slab and Effluent Sampling
Site Collection Info/Facility ID (as applicable): GZABWI-20.0058985.27
Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET

Contact/Report To: Heidi Woelfel
Phone #: 262-754-2597
E-Mail: Heidi.Woelfel@gza.com
Cc E-Mail:
Invoice to:
Invoice E-Mail:
Purchase Order # (if applicable):
Quote #:
State origin of sample(s): Wisconsin

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other_____

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

Proj. Manager: 341 - John Hawkins
AcctNum / Client ID: GZABWI
Table #:
Profile / Template: T250842
Prelog / Bottle Ord. ID: P1068447
L1227961

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

Customer Sample ID	Matrix *	Summa Canister ID	Flow Controller ID	Begin Collection Date	Begin Collection Time	End Collection Date	End Collection Time	Canister Pressure / Vacuum: Start Pressure / Vacuum (in Hg)	Canister Pressure / Vacuum: End Pressure / Vacuum (in Hg)	PUF / FILTER: Duration (minutes)	PUF / FILTER: Flow Rate m³/min or L/min	PUF / FILTER: Total Volume Sampled m³ or L	Analyses Requested: TO-15 Summa				Sample Comment
~~3~~-SS-3	SV	015151	010336	4/19/24	1520	4/19/24	1349	-27	-4				X				-01
~~3~~-SS-4	SV	023303	011920	4/19/24	1348	4/19/24	1423	-30	-3				X				-02
~~3~~-SS-5	SV	023241	011946	4/19/24	1407	4/19/24	1454	-29	-6				X				-03
~~3~~-SS-13	SV	006983	010178	4/19/24	1242	4/19/24	1309	-28.5	TBH ~~-29.5~~ -2.5				X				-04
~~3~~-SS-14	SV	014486	010643	4/19/24	1309	4/19/24	1338	-29	-4				X				-05
~~3~~-SS-17	SV	014124	028220	4/19/24	1225	4/19/24	1300	-29.5	-4.5				X				-06
Outdoor air	A	015623	011235	4/19/24	1417	4/19/24	1457	-30	-1.5				X				-07
													X				
													X				
													X				

TBH 4/19/24 1500

Customer Remarks / Special Conditions / Possible Hazards:
Building 3 sample ID goes SS-# (TBH)

Collected By:
Printed Name: Thomas Herbst
Signature: [signature]

Additional Instructions from Pace®:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C):

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature]/GZA	4/19/24/1500		
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) [signature]	Date/Time: 4/20 0900
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:
Delivered by: In- Person Courier FedEX UPS Other
Page: ____ of: ____

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/