ANALYTICAL REPORT

October 22, 2025

Alpha Environmental Services, Inc

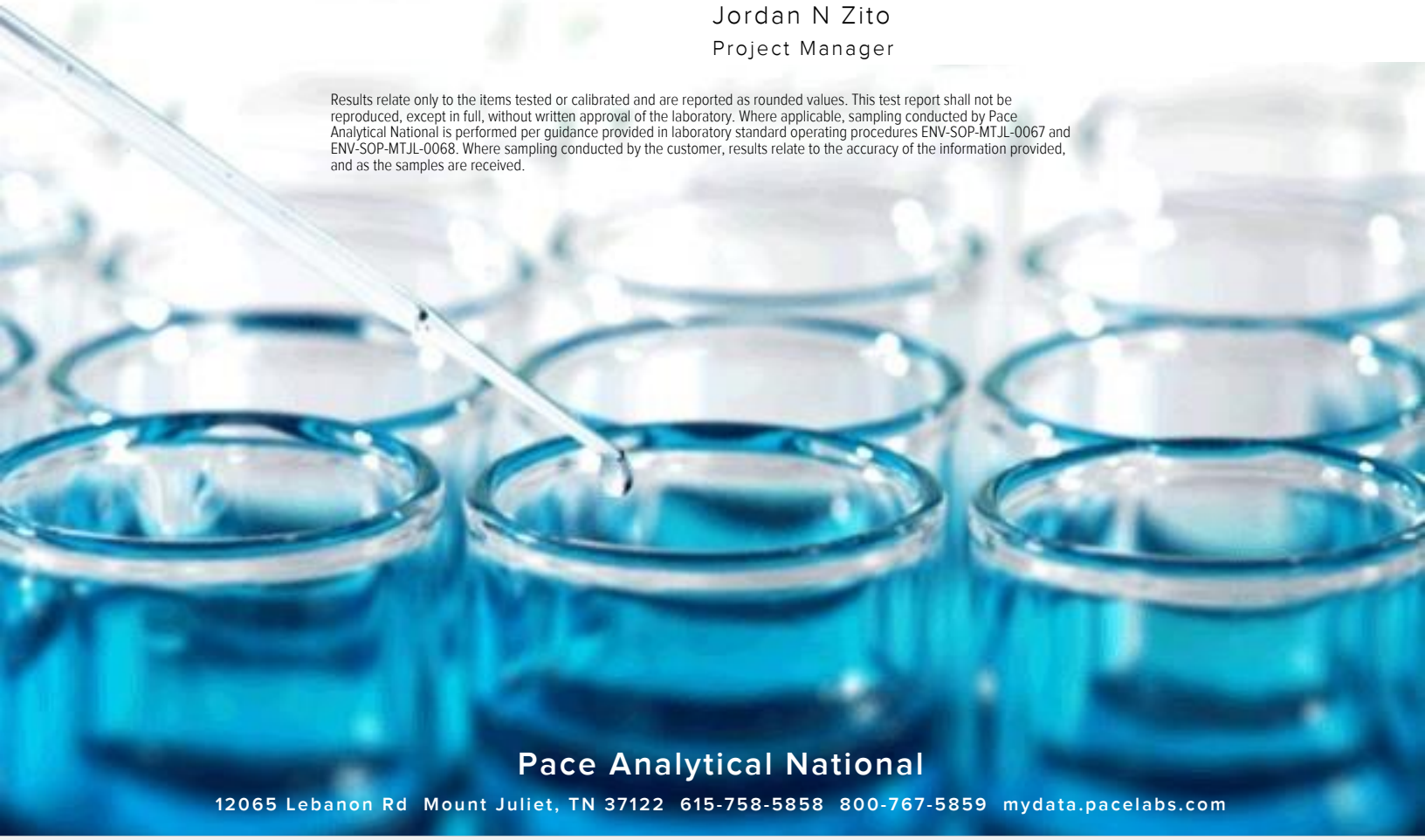
Sample Delivery Group:	L1909090
Samples Received:	10/14/2025
Project Number:	25-68929
Description:	1555 Monmouth Street

Report To:

Jim Cooper
11080 SW Allen Blvd.
Suite 100
Beaverton, OR 97005

Entire Report Reviewed By:

Jordan N Zito
Project Manager



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

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SV-1 L1909090-01

Collected by	Collected date/time	Received date/time
	10/10/25 10:34	10/14/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2623468	1	10/19/25 17:08	10/19/25 17:08	ED	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2624418	2	10/21/25 12:28	10/21/25 12:28	CRT	Mt. Juliet, TN

SS-1 L1909090-02

Collected by	Collected date/time	Received date/time
	10/10/25 11:34	10/14/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2623468	1	10/19/25 17:34	10/19/25 17:34	ED	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2624421	100	10/21/25 12:21	10/21/25 12:21	CRT	Mt. Juliet, TN

SS-2 L1909090-03

Collected by	Collected date/time	Received date/time
	10/10/25 12:08	10/14/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2623468	1	10/19/25 23:14	10/19/25 23:14	ED	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2624421	100	10/21/25 12:49	10/21/25 12:49	CRT	Mt. Juliet, TN

SS-2-DUP L1909090-04

Collected by	Collected date/time	Received date/time
	10/10/25 12:15	10/14/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2623468	1	10/19/25 23:41	10/19/25 23:41	ED	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2624421	100	10/21/25 13:18	10/21/25 13:18	CRT	Mt. Juliet, TN

SS-3 L1909090-05

Collected by	Collected date/time	Received date/time
	10/10/25 12:38	10/14/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2623468	1	10/20/25 00:08	10/20/25 00:08	ED	Mt. Juliet, TN

SS-4 L1909090-06

Collected by	Collected date/time	Received date/time
	10/10/25 13:17	10/14/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2623468	1	10/20/25 00:36	10/20/25 00:36	ED	Mt. Juliet, TN

CASE NARRATIVE

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

Jordan N Zito
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
TPH (GC/MS) Low Fraction	8006-61-9	101	282	826	2230		1	WG2623468
Acetone	67-64-1	58.10	1.24	2.97	311	E	1	WG2623468
Allyl chloride	107-05-1	76.53	0.582	0.626	U		1	WG2623468
Benzene	71-43-2	78.10	0.351	0.639	31.7		1	WG2623468
Benzyl Chloride	100-44-7	127	0.461	1.04	U		1	WG2623468
Bromodichloromethane	75-27-4	164	0.466	1.34	U		1	WG2623468
Bromoform	75-25-2	253	0.781	6.52	U		1	WG2623468
Bromomethane	74-83-9	94.90	0.364	0.776	U		1	WG2623468
1,3-Butadiene	106-99-0	54.10	0.350	4.43	18.2		1	WG2623468
Carbon disulfide	75-15-0	76.10	0.498	1.24	1.23	J	1	WG2623468
Carbon tetrachloride	56-23-5	154	0.470	1.26	0.507	J	1	WG2623468
Chlorobenzene	108-90-7	113	0.545	0.924	U		1	WG2623468
Chloroethane	75-00-3	64.50	0.290	0.528	U		1	WG2623468
Chloroform	67-66-3	119	0.506	0.973	9.34		1	WG2623468
Chloromethane	74-87-3	50.50	0.227	0.413	1.58		1	WG2623468
2-Chlorotoluene	95-49-8	126	0.406	1.03	U		1	WG2623468
Cyclohexane	110-82-7	84.20	0.585	0.689	28.4		1	WG2623468
Dibromochloromethane	124-48-1	208	0.592	1.70	U		1	WG2623468
1,2-Dibromoethane	106-93-4	188	0.531	1.54	U		1	WG2623468
1,2-Dichlorobenzene	95-50-1	147	0.441	1.20	U		1	WG2623468
1,3-Dichlorobenzene	541-73-1	147	0.453	1.20	U	J4	1	WG2623468
1,4-Dichlorobenzene	106-46-7	147	0.462	1.20	U		1	WG2623468
1,2-Dichloroethane	107-06-2	99	0.296	0.810	U		1	WG2623468
1,1-Dichloroethane	75-34-3	98	0.285	0.802	U		1	WG2623468
1,1-Dichloroethene	75-35-4	96.90	0.296	0.793	U		1	WG2623468
cis-1,2-Dichloroethene	156-59-2	96.90	0.315	0.793	U		1	WG2623468
trans-1,2-Dichloroethene	156-60-5	96.90	0.291	0.793	U		1	WG2623468
1,2-Dichloropropane	78-87-5	113	0.348	0.924	U		1	WG2623468
cis-1,3-Dichloropropene	10061-01-5	111	0.337	0.908	U		1	WG2623468
trans-1,3-Dichloropropene	10061-02-6	111	0.361	0.908	U		1	WG2623468
1,4-Dioxane	123-91-1	88.10	0.591	2.27	U		1	WG2623468
Ethanol	64-17-5	46.10	4.47	4.71	573	E	1	WG2623468
Ethylbenzene	100-41-4	106	0.337	0.867	66.8		1	WG2623468
4-Ethyltoluene	622-96-8	120	0.435	0.982	26.0		1	WG2623468
Trichlorofluoromethane	75-69-4	137.40	0.433	1.12	1.31		1	WG2623468
Dichlorodifluoromethane	75-71-8	120.92	0.399	0.989	2.63		1	WG2623468
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.576	1.53	0.594	J	1	WG2623468
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.529	1.40	U		1	WG2623468
Heptane	142-82-5	100	0.466	0.818	53.6		1	WG2623468
Hexachloro-1,3-butadiene	87-68-3	261	0.854	6.73	U		1	WG2623468
n-Hexane	110-54-3	86.20	0.504	2.22	38.8		1	WG2623468
Isopropylbenzene	98-82-8	120.20	0.355	0.983	6.00		1	WG2623468
Methylene Chloride	75-09-2	84.90	0.587	0.694	1.25		1	WG2623468
Methyl Butyl Ketone	591-78-6	100	0.544	5.11	U		1	WG2623468
2-Butanone (MEK)	78-93-3	72.10	0.342	3.69	70.8		1	WG2623468
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.434	5.12	5.04	J	1	WG2623468
Methyl methacrylate	80-62-6	100.12	0.692	0.819	U		1	WG2623468
MTBE	1634-04-4	88.10	0.293	0.721	U		1	WG2623468
Naphthalene	91-20-3	128	3.23	3.30	U		1	WG2623468
2-Propanol	67-63-0	60.10	1.67	3.07	109		1	WG2623468
Propene	115-07-1	42.10	0.737	4.30	112		2	WG2624418
Styrene	100-42-5	104	0.341	1.70	1.02	J	1	WG2623468
1,1,2,2-Tetrachloroethane	79-34-5	168	0.478	1.37	U		1	WG2623468
Tetrachloroethylene	127-18-4	166	1.51	2.72	3.80		2	WG2624418
Tetrahydrofuran	109-99-9	72.10	0.484	0.590	U		1	WG2623468
Toluene	108-88-3	92.10	0.490	1.88	315		1	WG2623468

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
1,2,4-Trichlorobenzene	120-82-1	181	3.42	4.66	U		1	WG2623468
1,1,1-Trichloroethane	71-55-6	133	0.391	1.09	U		1	WG2623468
1,1,2-Trichloroethane	79-00-5	133	0.372	1.09	U		1	WG2623468
Trichloroethylene	79-01-6	131	0.364	1.07	U		1	WG2623468
1,2,4-Trimethylbenzene	95-63-6	120	0.455	0.982	118		1	WG2623468
1,3,5-Trimethylbenzene	108-67-8	120	0.419	0.982	42.7		1	WG2623468
2,2,4-Trimethylpentane	540-84-1	114.22	0.420	0.934	8.78		1	WG2623468
Vinyl chloride	75-01-4	62.50	0.211	0.511	U		1	WG2623468
Vinyl Bromide	593-60-2	106.95	0.328	0.875	U		1	WG2623468
Vinyl acetate	108-05-4	86.10	0.341	2.22	U		1	WG2623468
m&p-Xylene		106	0.754	1.73	261		1	WG2623468
o-Xylene	95-47-6	106	0.385	0.867	116		1	WG2623468
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*94.0*		*60.0-140*	WG2623468
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*97.4*		*60.0-140*	WG2624418

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
TPH (GC/MS) Low Fraction	8006-61-9	101	282	826	309	J	1	WG2623468
Acetone	67-64-1	58.10	1.24	2.97	520	E	1	WG2623468
Allyl chloride	107-05-1	76.53	0.582	0.626	U		1	WG2623468
Benzene	71-43-2	78.10	0.351	0.639	1.10		1	WG2623468
Benzyl Chloride	100-44-7	127	0.461	1.04	U		1	WG2623468
Bromodichloromethane	75-27-4	164	0.466	1.34	U		1	WG2623468
Bromoform	75-25-2	253	0.781	6.52	U		1	WG2623468
Bromomethane	74-83-9	94.90	0.364	0.776	U		1	WG2623468
1,3-Butadiene	106-99-0	54.10	0.350	4.43	U		1	WG2623468
Carbon disulfide	75-15-0	76.10	0.498	1.24	1.31		1	WG2623468
Carbon tetrachloride	56-23-5	154	0.470	1.26	U		1	WG2623468
Chlorobenzene	108-90-7	113	0.545	0.924	U		1	WG2623468
Chloroethane	75-00-3	64.50	0.290	0.528	U		1	WG2623468
Chloroform	67-66-3	119	0.506	0.973	U		1	WG2623468
Chloromethane	74-87-3	50.50	0.227	0.413	0.364	J	1	WG2623468
2-Chlorotoluene	95-49-8	126	0.406	1.03	U		1	WG2623468
Cyclohexane	110-82-7	84.20	0.585	0.689	1.02		1	WG2623468
Dibromochloromethane	124-48-1	208	0.592	1.70	U		1	WG2623468
1,2-Dibromoethane	106-93-4	188	0.531	1.54	U		1	WG2623468
1,2-Dichlorobenzene	95-50-1	147	0.441	1.20	U		1	WG2623468
1,3-Dichlorobenzene	541-73-1	147	0.453	1.20	U	J4	1	WG2623468
1,4-Dichlorobenzene	106-46-7	147	0.462	1.20	1.46		1	WG2623468
1,2-Dichloroethane	107-06-2	99	0.296	0.810	U		1	WG2623468
1,1-Dichloroethane	75-34-3	98	0.285	0.802	U		1	WG2623468
1,1-Dichloroethene	75-35-4	96.90	0.296	0.793	U		1	WG2623468
cis-1,2-Dichloroethene	156-59-2	96.90	0.315	0.793	U		1	WG2623468
trans-1,2-Dichloroethene	156-60-5	96.90	0.291	0.793	U		1	WG2623468
1,2-Dichloropropane	78-87-5	113	0.348	0.924	U		1	WG2623468
cis-1,3-Dichloropropene	10061-01-5	111	0.337	0.908	U		1	WG2623468
trans-1,3-Dichloropropene	10061-02-6	111	0.361	0.908	U		1	WG2623468
1,4-Dioxane	123-91-1	88.10	0.591	2.27	U		1	WG2623468
Ethanol	64-17-5	46.10	4.47	4.71	47.1		1	WG2623468
Ethylbenzene	100-41-4	106	0.337	0.867	0.845	J	1	WG2623468
4-Ethyltoluene	622-96-8	120	0.435	0.982	U		1	WG2623468
Trichlorofluoromethane	75-69-4	137.40	0.433	1.12	1.32		1	WG2623468
Dichlorodifluoromethane	75-71-8	120.92	0.399	0.989	2.48		1	WG2623468
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.576	1.53	0.592	J	1	WG2623468
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.529	1.40	U		1	WG2623468
Heptane	142-82-5	100	0.466	0.818	1.05		1	WG2623468
Hexachloro-1,3-butadiene	87-68-3	261	0.854	6.73	U		1	WG2623468
n-Hexane	110-54-3	86.20	0.504	2.22	2.54		1	WG2623468
Isopropylbenzene	98-82-8	120.20	0.355	0.983	U		1	WG2623468
Methylene Chloride	75-09-2	84.90	0.587	0.694	14.3		1	WG2623468
Methyl Butyl Ketone	591-78-6	100	0.544	5.11	1.30	J	1	WG2623468
2-Butanone (MEK)	78-93-3	72.10	0.342	3.69	5.34		1	WG2623468
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.434	5.12	2.07	J	1	WG2623468
Methyl methacrylate	80-62-6	100.12	0.692	0.819	U		1	WG2623468
MTBE	1634-04-4	88.10	0.293	0.721	U		1	WG2623468
Naphthalene	91-20-3	128	3.23	3.30	U		1	WG2623468
2-Propanol	67-63-0	60.10	167	307	5410		100	WG2624421
Propene	115-07-1	42.10	0.368	2.15	U		1	WG2623468
Styrene	100-42-5	104	0.341	1.70	0.651	J	1	WG2623468
1,1,2,2-Tetrachloroethane	79-34-5	168	0.478	1.37	U		1	WG2623468
Tetrachloroethylene	127-18-4	166	0.754	1.36	9.84		1	WG2623468
Tetrahydrofuran	109-99-9	72.10	0.484	0.590	U		1	WG2623468
Toluene	108-88-3	92.10	0.490	1.88	5.35		1	WG2623468

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
1,2,4-Trichlorobenzene	120-82-1	181	3.42	4.66	U		1	WG2623468
1,1,1-Trichloroethane	71-55-6	133	0.391	1.09	U		1	WG2623468
1,1,2-Trichloroethane	79-00-5	133	0.372	1.09	U		1	WG2623468
Trichloroethylene	79-01-6	131	0.364	1.07	U		1	WG2623468
1,2,4-Trimethylbenzene	95-63-6	120	0.455	0.982	2.69		1	WG2623468
1,3,5-Trimethylbenzene	108-67-8	120	0.419	0.982	0.707	J	1	WG2623468
2,2,4-Trimethylpentane	540-84-1	114.22	0.420	0.934	0.621	J	1	WG2623468
Vinyl chloride	75-01-4	62.50	0.211	0.511	U		1	WG2623468
Vinyl Bromide	593-60-2	106.95	0.328	0.875	U		1	WG2623468
Vinyl acetate	108-05-4	86.10	0.341	2.22	U		1	WG2623468
m&p-Xylene		106	0.754	1.73	3.19		1	WG2623468
o-Xylene	95-47-6	106	0.385	0.867	1.16		1	WG2623468
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*94.4*		*60.0-140*	WG2623468
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*93.2*		*60.0-140*	WG2624421

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
TPH (GC/MS) Low Fraction	8006-61-9	101	282	826	8140		1	WG2623468
Acetone	67-64-1	58.10	1.24	2.97	1160	E	1	WG2623468
Allyl chloride	107-05-1	76.53	0.582	0.626	U		1	WG2623468
Benzene	71-43-2	78.10	0.351	0.639	36.1		1	WG2623468
Benzyl Chloride	100-44-7	127	0.461	1.04	U		1	WG2623468
Bromodichloromethane	75-27-4	164	0.466	1.34	U		1	WG2623468
Bromoform	75-25-2	253	0.781	6.52	U		1	WG2623468
Bromomethane	74-83-9	94.90	0.364	0.776	U		1	WG2623468
1,3-Butadiene	106-99-0	54.10	0.350	4.43	31.6		1	WG2623468
Carbon disulfide	75-15-0	76.10	0.498	1.24	0.744	J	1	WG2623468
Carbon tetrachloride	56-23-5	154	0.470	1.26	U		1	WG2623468
Chlorobenzene	108-90-7	113	0.545	0.924	U		1	WG2623468
Chloroethane	75-00-3	64.50	0.290	0.528	U		1	WG2623468
Chloroform	67-66-3	119	0.506	0.973	0.550	J	1	WG2623468
Chloromethane	74-87-3	50.50	0.227	0.413	0.413	J	1	WG2623468
2-Chlorotoluene	95-49-8	126	0.406	1.03	U		1	WG2623468
Cyclohexane	110-82-7	84.20	0.585	0.689	2.66		1	WG2623468
Dibromochloromethane	124-48-1	208	0.592	1.70	U		1	WG2623468
1,2-Dibromoethane	106-93-4	188	0.531	1.54	U		1	WG2623468
1,2-Dichlorobenzene	95-50-1	147	0.441	1.20	U		1	WG2623468
1,3-Dichlorobenzene	541-73-1	147	0.453	1.20	U	J4	1	WG2623468
1,4-Dichlorobenzene	106-46-7	147	0.462	1.20	U		1	WG2623468
1,2-Dichloroethane	107-06-2	99	0.296	0.810	U		1	WG2623468
1,1-Dichloroethane	75-34-3	98	0.285	0.802	U		1	WG2623468
1,1-Dichloroethene	75-35-4	96.90	0.296	0.793	U		1	WG2623468
cis-1,2-Dichloroethene	156-59-2	96.90	0.315	0.793	U		1	WG2623468
trans-1,2-Dichloroethene	156-60-5	96.90	0.291	0.793	U		1	WG2623468
1,2-Dichloropropane	78-87-5	113	0.348	0.924	U		1	WG2623468
cis-1,3-Dichloropropene	10061-01-5	111	0.337	0.908	U		1	WG2623468
trans-1,3-Dichloropropene	10061-02-6	111	0.361	0.908	U		1	WG2623468
1,4-Dioxane	123-91-1	88.10	0.591	2.27	U		1	WG2623468
Ethanol	64-17-5	46.10	4.47	4.71	61.5		1	WG2623468
Ethylbenzene	100-41-4	106	0.337	0.867	8.28		1	WG2623468
4-Ethyltoluene	622-96-8	120	0.435	0.982	8.49		1	WG2623468
Trichlorofluoromethane	75-69-4	137.40	0.433	1.12	1.35		1	WG2623468
Dichlorodifluoromethane	75-71-8	120.92	0.399	0.989	2.85		1	WG2623468
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.576	1.53	0.671	J	1	WG2623468
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.529	1.40	U		1	WG2623468
Heptane	142-82-5	100	0.466	0.818	8.22		1	WG2623468
Hexachloro-1,3-butadiene	87-68-3	261	0.854	6.73	U		1	WG2623468
n-Hexane	110-54-3	86.20	0.504	2.22	8.00		1	WG2623468
Isopropylbenzene	98-82-8	120.20	0.355	0.983	4.65		1	WG2623468
Methylene Chloride	75-09-2	84.90	0.587	0.694	1.45		1	WG2623468
Methyl Butyl Ketone	591-78-6	100	0.544	5.11	12.0		1	WG2623468
2-Butanone (MEK)	78-93-3	72.10	0.342	3.69	108		1	WG2623468
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.434	5.12	12.6		1	WG2623468
Methyl methacrylate	80-62-6	100.12	0.692	0.819	8.93		1	WG2623468
MTBE	1634-04-4	88.10	0.293	0.721	U		1	WG2623468
Naphthalene	91-20-3	128	3.23	3.30	U		1	WG2623468
2-Propanol	67-63-0	60.10	167	307	5430		100	WG2624421
Propene	115-07-1	42.10	0.368	2.15	91.8		1	WG2623468
Styrene	100-42-5	104	0.341	1.70	5.53		1	WG2623468
1,1,2,2-Tetrachloroethane	79-34-5	168	0.478	1.37	U		1	WG2623468
Tetrachloroethylene	127-18-4	166	0.754	1.36	2.18		1	WG2623468
Tetrahydrofuran	109-99-9	72.10	0.484	0.590	U		1	WG2623468
Toluene	108-88-3	92.10	0.490	1.88	50.1		1	WG2623468

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
1,2,4-Trichlorobenzene	120-82-1	181	3.42	4.66	U		1	WG2623468
1,1,1-Trichloroethane	71-55-6	133	0.391	1.09	U		1	WG2623468
1,1,2-Trichloroethane	79-00-5	133	0.372	1.09	U		1	WG2623468
Trichloroethylene	79-01-6	131	0.364	1.07	U		1	WG2623468
1,2,4-Trimethylbenzene	95-63-6	120	0.455	0.982	53.5		1	WG2623468
1,3,5-Trimethylbenzene	108-67-8	120	0.419	0.982	25.0		1	WG2623468
2,2,4-Trimethylpentane	540-84-1	114.22	0.420	0.934	U		1	WG2623468
Vinyl chloride	75-01-4	62.50	0.211	0.511	U		1	WG2623468
Vinyl Bromide	593-60-2	106.95	0.328	0.875	U		1	WG2623468
Vinyl acetate	108-05-4	86.10	0.341	2.22	U		1	WG2623468
m&p-Xylene		106	0.754	1.73	22.8		1	WG2623468
o-Xylene	95-47-6	106	0.385	0.867	12.7		1	WG2623468
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*123*		*60.0-140*	WG2623468
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*93.2*		*60.0-140*	WG2624421

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
TPH (GC/MS) Low Fraction	8006-61-9	101	282	826	6320		1	WG2623468
Acetone	67-64-1	58.10	1.24	2.97	1030	E	1	WG2623468
Allyl chloride	107-05-1	76.53	0.582	0.626	U		1	WG2623468
Benzene	71-43-2	78.10	0.351	0.639	19.9		1	WG2623468
Benzyl Chloride	100-44-7	127	0.461	1.04	U		1	WG2623468
Bromodichloromethane	75-27-4	164	0.466	1.34	U		1	WG2623468
Bromoform	75-25-2	253	0.781	6.52	U		1	WG2623468
Bromomethane	74-83-9	94.90	0.364	0.776	U		1	WG2623468
1,3-Butadiene	106-99-0	54.10	0.350	4.43	12.2		1	WG2623468
Carbon disulfide	75-15-0	76.10	0.498	1.24	0.934	J	1	WG2623468
Carbon tetrachloride	56-23-5	154	0.470	1.26	U		1	WG2623468
Chlorobenzene	108-90-7	113	0.545	0.924	U		1	WG2623468
Chloroethane	75-00-3	64.50	0.290	0.528	U		1	WG2623468
Chloroform	67-66-3	119	0.506	0.973	U		1	WG2623468
Chloromethane	74-87-3	50.50	0.227	0.413	0.275	J	1	WG2623468
2-Chlorotoluene	95-49-8	126	0.406	1.03	U		1	WG2623468
Cyclohexane	110-82-7	84.20	0.585	0.689	1.40		1	WG2623468
Dibromochloromethane	124-48-1	208	0.592	1.70	U		1	WG2623468
1,2-Dibromoethane	106-93-4	188	0.531	1.54	U		1	WG2623468
1,2-Dichlorobenzene	95-50-1	147	0.441	1.20	U		1	WG2623468
1,3-Dichlorobenzene	541-73-1	147	0.453	1.20	U	J4	1	WG2623468
1,4-Dichlorobenzene	106-46-7	147	0.462	1.20	U		1	WG2623468
1,2-Dichloroethane	107-06-2	99	0.296	0.810	U		1	WG2623468
1,1-Dichloroethane	75-34-3	98	0.285	0.802	U		1	WG2623468
1,1-Dichloroethene	75-35-4	96.90	0.296	0.793	U		1	WG2623468
cis-1,2-Dichloroethene	156-59-2	96.90	0.315	0.793	U		1	WG2623468
trans-1,2-Dichloroethene	156-60-5	96.90	0.291	0.793	U		1	WG2623468
1,2-Dichloropropane	78-87-5	113	0.348	0.924	U		1	WG2623468
cis-1,3-Dichloropropene	10061-01-5	111	0.337	0.908	U		1	WG2623468
trans-1,3-Dichloropropene	10061-02-6	111	0.361	0.908	U		1	WG2623468
1,4-Dioxane	123-91-1	88.10	0.591	2.27	U		1	WG2623468
Ethanol	64-17-5	46.10	4.47	4.71	51.3		1	WG2623468
Ethylbenzene	100-41-4	106	0.337	0.867	5.81		1	WG2623468
4-Ethyltoluene	622-96-8	120	0.435	0.982	8.49		1	WG2623468
Trichlorofluoromethane	75-69-4	137.40	0.433	1.12	1.29		1	WG2623468
Dichlorodifluoromethane	75-71-8	120.92	0.399	0.989	2.45		1	WG2623468
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.576	1.53	0.761	J	1	WG2623468
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.529	1.40	U		1	WG2623468
Heptane	142-82-5	100	0.466	0.818	4.02		1	WG2623468
Hexachloro-1,3-butadiene	87-68-3	261	0.854	6.73	U		1	WG2623468
n-Hexane	110-54-3	86.20	0.504	2.22	3.56		1	WG2623468
Isopropylbenzene	98-82-8	120.20	0.355	0.983	3.56		1	WG2623468
Methylene Chloride	75-09-2	84.90	0.587	0.694	U		1	WG2623468
Methyl Butyl Ketone	591-78-6	100	0.544	5.11	12.3		1	WG2623468
2-Butanone (MEK)	78-93-3	72.10	0.342	3.69	104		1	WG2623468
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.434	5.12	11.6		1	WG2623468
Methyl methacrylate	80-62-6	100.12	0.692	0.819	5.00		1	WG2623468
MTBE	1634-04-4	88.10	0.293	0.721	U		1	WG2623468
Naphthalene	91-20-3	128	3.23	3.30	U		1	WG2623468
2-Propanol	67-63-0	60.10	167	307	5140		100	WG2624421
Propene	115-07-1	42.10	0.368	2.15	38.6		1	WG2623468
Styrene	100-42-5	104	0.341	1.70	5.32		1	WG2623468
1,1,2,2-Tetrachloroethane	79-34-5	168	0.478	1.37	U		1	WG2623468
Tetrachloroethylene	127-18-4	166	0.754	1.36	3.45		1	WG2623468
Tetrahydrofuran	109-99-9	72.10	0.484	0.590	U		1	WG2623468
Toluene	108-88-3	92.10	0.490	1.88	30.4		1	WG2623468

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
1,2,4-Trichlorobenzene	120-82-1	181	3.42	4.66	U		1	WG2623468
1,1,1-Trichloroethane	71-55-6	133	0.391	1.09	U		1	WG2623468
1,1,2-Trichloroethane	79-00-5	133	0.372	1.09	U		1	WG2623468
Trichloroethylene	79-01-6	131	0.364	1.07	U		1	WG2623468
1,2,4-Trimethylbenzene	95-63-6	120	0.455	0.982	49.6		1	WG2623468
1,3,5-Trimethylbenzene	108-67-8	120	0.419	0.982	21.5		1	WG2623468
2,2,4-Trimethylpentane	540-84-1	114.22	0.420	0.934	U		1	WG2623468
Vinyl chloride	75-01-4	62.50	0.211	0.511	U		1	WG2623468
Vinyl Bromide	593-60-2	106.95	0.328	0.875	U		1	WG2623468
Vinyl acetate	108-05-4	86.10	0.341	2.22	U		1	WG2623468
m&p-Xylene		106	0.754	1.73	16.6		1	WG2623468
o-Xylene	95-47-6	106	0.385	0.867	9.49		1	WG2623468
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*114*		*60.0-140*	WG2623468
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*90.9*		*60.0-140*	WG2624421

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
TPH (GC/MS) Low Fraction	8006-61-9	101	282	826	321	J	1	WG2623468
Acetone	67-64-1	58.10	1.24	2.97	156		1	WG2623468
Allyl chloride	107-05-1	76.53	0.582	0.626	U		1	WG2623468
Benzene	71-43-2	78.10	0.351	0.639	1.62		1	WG2623468
Benzyl Chloride	100-44-7	127	0.461	1.04	U		1	WG2623468
Bromodichloromethane	75-27-4	164	0.466	1.34	U		1	WG2623468
Bromoform	75-25-2	253	0.781	6.52	U		1	WG2623468
Bromomethane	74-83-9	94.90	0.364	0.776	U		1	WG2623468
1,3-Butadiene	106-99-0	54.10	0.350	4.43	U		1	WG2623468
Carbon disulfide	75-15-0	76.10	0.498	1.24	U		1	WG2623468
Carbon tetrachloride	56-23-5	154	0.470	1.26	0.490	J	1	WG2623468
Chlorobenzene	108-90-7	113	0.545	0.924	U		1	WG2623468
Chloroethane	75-00-3	64.50	0.290	0.528	U		1	WG2623468
Chloroform	67-66-3	119	0.506	0.973	0.672	J	1	WG2623468
Chloromethane	74-87-3	50.50	0.227	0.413	1.13		1	WG2623468
2-Chlorotoluene	95-49-8	126	0.406	1.03	U		1	WG2623468
Cyclohexane	110-82-7	84.20	0.585	0.689	2.60		1	WG2623468
Dibromochloromethane	124-48-1	208	0.592	1.70	U		1	WG2623468
1,2-Dibromoethane	106-93-4	188	0.531	1.54	U		1	WG2623468
1,2-Dichlorobenzene	95-50-1	147	0.441	1.20	U		1	WG2623468
1,3-Dichlorobenzene	541-73-1	147	0.453	1.20	U	J4	1	WG2623468
1,4-Dichlorobenzene	106-46-7	147	0.462	1.20	3.40		1	WG2623468
1,2-Dichloroethane	107-06-2	99	0.296	0.810	U		1	WG2623468
1,1-Dichloroethane	75-34-3	98	0.285	0.802	U		1	WG2623468
1,1-Dichloroethene	75-35-4	96.90	0.296	0.793	U		1	WG2623468
cis-1,2-Dichloroethene	156-59-2	96.90	0.315	0.793	U		1	WG2623468
trans-1,2-Dichloroethene	156-60-5	96.90	0.291	0.793	U		1	WG2623468
1,2-Dichloropropane	78-87-5	113	0.348	0.924	U		1	WG2623468
cis-1,3-Dichloropropene	10061-01-5	111	0.337	0.908	U		1	WG2623468
trans-1,3-Dichloropropene	10061-02-6	111	0.361	0.908	U		1	WG2623468
1,4-Dioxane	123-91-1	88.10	0.591	2.27	U		1	WG2623468
Ethanol	64-17-5	46.10	4.47	4.71	100		1	WG2623468
Ethylbenzene	100-41-4	106	0.337	0.867	2.21		1	WG2623468
4-Ethyltoluene	622-96-8	120	0.435	0.982	0.780	J	1	WG2623468
Trichlorofluoromethane	75-69-4	137.40	0.433	1.12	1.33		1	WG2623468
Dichlorodifluoromethane	75-71-8	120.92	0.399	0.989	2.61		1	WG2623468
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.576	1.53	U		1	WG2623468
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.529	1.40	U		1	WG2623468
Heptane	142-82-5	100	0.466	0.818	2.73		1	WG2623468
Hexachloro-1,3-butadiene	87-68-3	261	0.854	6.73	U		1	WG2623468
n-Hexane	110-54-3	86.20	0.504	2.22	2.43		1	WG2623468
Isopropylbenzene	98-82-8	120.20	0.355	0.983	U		1	WG2623468
Methylene Chloride	75-09-2	84.90	0.587	0.694	1.58		1	WG2623468
Methyl Butyl Ketone	591-78-6	100	0.544	5.11	U		1	WG2623468
2-Butanone (MEK)	78-93-3	72.10	0.342	3.69	4.57		1	WG2623468
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.434	5.12	1.30	J	1	WG2623468
Methyl methacrylate	80-62-6	100.12	0.692	0.819	U		1	WG2623468
MTBE	1634-04-4	88.10	0.293	0.721	U		1	WG2623468
Naphthalene	91-20-3	128	3.23	3.30	U		1	WG2623468
2-Propanol	67-63-0	60.10	1.67	3.07	740	E	1	WG2623468
Propene	115-07-1	42.10	0.368	2.15	U		1	WG2623468
Styrene	100-42-5	104	0.341	1.70	1.05	J	1	WG2623468
1,1,2,2-Tetrachloroethane	79-34-5	168	0.478	1.37	U		1	WG2623468
Tetrachloroethylene	127-18-4	166	0.754	1.36	0.910	J	1	WG2623468
Tetrahydrofuran	109-99-9	72.10	0.484	0.590	U		1	WG2623468
Toluene	108-88-3	92.10	0.490	1.88	34.1		1	WG2623468

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
1,2,4-Trichlorobenzene	120-82-1	181	3.42	4.66	U		1	WG2623468
1,1,1-Trichloroethane	71-55-6	133	0.391	1.09	U		1	WG2623468
1,1,2-Trichloroethane	79-00-5	133	0.372	1.09	U		1	WG2623468
Trichloroethylene	79-01-6	131	0.364	1.07	U		1	WG2623468
1,2,4-Trimethylbenzene	95-63-6	120	0.455	0.982	2.68		1	WG2623468
1,3,5-Trimethylbenzene	108-67-8	120	0.419	0.982	0.879	J	1	WG2623468
2,2,4-Trimethylpentane	540-84-1	114.22	0.420	0.934	1.30		1	WG2623468
Vinyl chloride	75-01-4	62.50	0.211	0.511	U		1	WG2623468
Vinyl Bromide	593-60-2	106.95	0.328	0.875	U		1	WG2623468
Vinyl acetate	108-05-4	86.10	0.341	2.22	U		1	WG2623468
m&p-Xylene		106	0.754	1.73	6.81		1	WG2623468
o-Xylene	95-47-6	106	0.385	0.867	2.63		1	WG2623468
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*92.8*		*60.0-140*	WG2623468

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
TPH (GC/MS) Low Fraction	8006-61-9	101	282	826	334	J	1	WG2623468
Acetone	67-64-1	58.10	1.24	2.97	273	E	1	WG2623468
Allyl chloride	107-05-1	76.53	0.582	0.626	U		1	WG2623468
Benzene	71-43-2	78.10	0.351	0.639	0.735		1	WG2623468
Benzyl Chloride	100-44-7	127	0.461	1.04	U		1	WG2623468
Bromodichloromethane	75-27-4	164	0.466	1.34	U		1	WG2623468
Bromoform	75-25-2	253	0.781	6.52	U		1	WG2623468
Bromomethane	74-83-9	94.90	0.364	0.776	U		1	WG2623468
1,3-Butadiene	106-99-0	54.10	0.350	4.43	0.394	J	1	WG2623468
Carbon disulfide	75-15-0	76.10	0.498	1.24	1.71		1	WG2623468
Carbon tetrachloride	56-23-5	154	0.470	1.26	U		1	WG2623468
Chlorobenzene	108-90-7	113	0.545	0.924	U		1	WG2623468
Chloroethane	75-00-3	64.50	0.290	0.528	U		1	WG2623468
Chloroform	67-66-3	119	0.506	0.973	U		1	WG2623468
Chloromethane	74-87-3	50.50	0.227	0.413	0.287	J	1	WG2623468
2-Chlorotoluene	95-49-8	126	0.406	1.03	U		1	WG2623468
Cyclohexane	110-82-7	84.20	0.585	0.689	5.44		1	WG2623468
Dibromochloromethane	124-48-1	208	0.592	1.70	U		1	WG2623468
1,2-Dibromoethane	106-93-4	188	0.531	1.54	U		1	WG2623468
1,2-Dichlorobenzene	95-50-1	147	0.441	1.20	U		1	WG2623468
1,3-Dichlorobenzene	541-73-1	147	0.453	1.20	U	J4	1	WG2623468
1,4-Dichlorobenzene	106-46-7	147	0.462	1.20	U		1	WG2623468
1,2-Dichloroethane	107-06-2	99	0.296	0.810	U		1	WG2623468
1,1-Dichloroethane	75-34-3	98	0.285	0.802	U		1	WG2623468
1,1-Dichloroethene	75-35-4	96.90	0.296	0.793	U		1	WG2623468
cis-1,2-Dichloroethene	156-59-2	96.90	0.315	0.793	U		1	WG2623468
trans-1,2-Dichloroethene	156-60-5	96.90	0.291	0.793	5.75		1	WG2623468
1,2-Dichloropropane	78-87-5	113	0.348	0.924	U		1	WG2623468
cis-1,3-Dichloropropene	10061-01-5	111	0.337	0.908	U		1	WG2623468
trans-1,3-Dichloropropene	10061-02-6	111	0.361	0.908	U		1	WG2623468
1,4-Dioxane	123-91-1	88.10	0.591	2.27	U		1	WG2623468
Ethanol	64-17-5	46.10	4.47	4.71	14.7		1	WG2623468
Ethylbenzene	100-41-4	106	0.337	0.867	0.442	J	1	WG2623468
4-Ethyltoluene	622-96-8	120	0.435	0.982	U		1	WG2623468
Trichlorofluoromethane	75-69-4	137.40	0.433	1.12	1.48		1	WG2623468
Dichlorodifluoromethane	75-71-8	120.92	0.399	0.989	2.45		1	WG2623468
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.576	1.53	1.30	J	1	WG2623468
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.529	1.40	U		1	WG2623468
Heptane	142-82-5	100	0.466	0.818	1.53		1	WG2623468
Hexachloro-1,3-butadiene	87-68-3	261	0.854	6.73	U		1	WG2623468
n-Hexane	110-54-3	86.20	0.504	2.22	1.39	J	1	WG2623468
Isopropylbenzene	98-82-8	120.20	0.355	0.983	U		1	WG2623468
Methylene Chloride	75-09-2	84.90	0.587	0.694	0.736		1	WG2623468
Methyl Butyl Ketone	591-78-6	100	0.544	5.11	0.920	J	1	WG2623468
2-Butanone (MEK)	78-93-3	72.10	0.342	3.69	4.36		1	WG2623468
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.434	5.12	1.04	J	1	WG2623468
Methyl methacrylate	80-62-6	100.12	0.692	0.819	U		1	WG2623468
MTBE	1634-04-4	88.10	0.293	0.721	U		1	WG2623468
Naphthalene	91-20-3	128	3.23	3.30	U		1	WG2623468
2-Propanol	67-63-0	60.10	1.67	3.07	1280	E	1	WG2623468
Propene	115-07-1	42.10	0.368	2.15	U		1	WG2623468
Styrene	100-42-5	104	0.341	1.70	U		1	WG2623468
1,1,2,2-Tetrachloroethane	79-34-5	168	0.478	1.37	U		1	WG2623468
Tetrachloroethylene	127-18-4	166	0.754	1.36	U		1	WG2623468
Tetrahydrofuran	109-99-9	72.10	0.484	0.590	2.44		1	WG2623468
Toluene	108-88-3	92.10	0.490	1.88	3.33		1	WG2623468

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
1,2,4-Trichlorobenzene	120-82-1	181	3.42	4.66	U		1	WG2623468
1,1,1-Trichloroethane	71-55-6	133	0.391	1.09	U		1	WG2623468
1,1,2-Trichloroethane	79-00-5	133	0.372	1.09	U		1	WG2623468
Trichloroethylene	79-01-6	131	0.364	1.07	U		1	WG2623468
1,2,4-Trimethylbenzene	95-63-6	120	0.455	0.982	1.44		1	WG2623468
1,3,5-Trimethylbenzene	108-67-8	120	0.419	0.982	0.486	J	1	WG2623468
2,2,4-Trimethylpentane	540-84-1	114.22	0.420	0.934	U		1	WG2623468
Vinyl chloride	75-01-4	62.50	0.211	0.511	U		1	WG2623468
Vinyl Bromide	593-60-2	106.95	0.328	0.875	U		1	WG2623468
Vinyl acetate	108-05-4	86.10	0.341	2.22	U		1	WG2623468
m&p-Xylene		106	0.754	1.73	2.36		1	WG2623468
o-Xylene	95-47-6	106	0.385	0.867	0.629	J	1	WG2623468
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*			*92.1*		*60.0-140*	WG2623468

Method Blank (MB)

(MB) R4289483-3 10/19/25 11:15

Analyte	MB Result ug/m3	MB Qualifier	MB MDL ug/m3	MB RDL ug/m3
TPH (GC/MS) Low Fraction	U		282	826
Acetone	U		1.24	2.97
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
1,3-Butadiene	U		0.350	4.43
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
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
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

Method Blank (MB)

(MB) R4289483-3 10/19/25 11:15

Analyte	MB Result ug/m3	MB Qualifier	MB MDL ug/m3	MB RDL ug/m3
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
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	*92.3*			*60.0-140*

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

(LCS) R4289483-1 10/19/25 10:22 • (LCSD) R4289483-2 10/19/25 10:49

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 %
TPH (GC/MS) Low Fraction	777	834	843	107	109	70.0-130			0.985	25
Acetone	8.91	9.22	9.27	103	104	70.0-130			0.514	25
Allyl chloride	11.7	13.3	13.4	114	114	70.0-130			0.702	25
Benzene	12.0	14.0	14.1	117	118	70.0-130			0.455	25

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

(LCS) R4289483-1 10/19/25 10:22 • (LCSD) R4289483-2 10/19/25 10:49

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 %
Benzyl Chloride	19.5	25.0	24.4	128	125	70.0-152			2.31	25
Bromodichloromethane	25.2	29.1	29.3	116	117	70.0-130			0.689	25
Bromoform	38.8	45.7	44.9	118	116	70.0-130			1.83	25
Bromomethane	14.6	17.2	17.3	118	119	70.0-130			0.676	25
1,3-Butadiene	8.30	9.07	9.16	109	110	70.0-130			0.971	25
Carbon disulfide	23.3	26.5	26.7	114	114	70.0-130			0.584	25
Carbon tetrachloride	23.6	28.5	28.8	121	122	70.0-130			1.32	25
Chlorobenzene	17.3	20.7	20.9	119	121	70.0-130			1.33	25
Chloroethane	9.89	11.2	11.4	113	116	70.0-130			2.10	25
Chloroform	18.3	21.0	21.3	115	117	70.0-130			1.15	25
Chloromethane	7.75	8.28	8.45	107	109	70.0-130			1.98	25
2-Chlorotoluene	19.3	23.9	24.0	124	124	70.0-130			0.430	25
Cyclohexane	12.9	14.8	15.2	115	118	70.0-130			2.29	25
Dibromochloromethane	31.9	39.0	39.1	122	123	70.0-130			0.218	25
1,2-Dibromoethane	28.8	36.1	36.3	125	126	70.0-130			0.425	25
1,2-Dichlorobenzene	22.5	28.7	28.1	127	125	70.0-130			1.90	25
1,3-Dichlorobenzene	22.5	29.5	29.8	131	132	70.0-130	J4	J4	1.22	25
1,4-Dichlorobenzene	22.5	28.7	28.9	127	128	70.0-130			0.627	25
1,2-Dichloroethane	15.2	16.9	17.0	111	112	70.0-130			0.955	25
1,1-Dichloroethane	15.0	17.5	17.7	116	118	70.0-130			1.14	25
1,1-Dichloroethene	14.9	16.9	17.1	114	115	70.0-130			1.17	25
cis-1,2-Dichloroethene	14.9	16.6	16.8	112	113	70.0-130			1.19	25
trans-1,2-Dichloroethene	14.9	17.9	18.1	120	122	70.0-130			1.10	25
1,2-Dichloropropane	17.3	19.6	19.6	113	113	70.0-130			0.000	25
cis-1,3-Dichloropropene	17.0	21.2	20.7	124	122	70.0-130			1.95	25
trans-1,3-Dichloropropene	17.0	20.7	21.1	121	124	70.0-130			2.17	25
1,4-Dioxane	13.5	16.7	16.8	123	125	70.0-140			0.860	25
Ethanol	7.07	6.07	6.13	85.9	86.7	55.0-148			0.927	25
Ethylbenzene	16.3	19.8	19.8	122	122	70.0-130			0.000	25
4-Ethyltoluene	18.4	23.8	23.9	129	130	70.0-130			0.412	25
Trichlorofluoromethane	21.1	24.5	24.9	116	118	70.0-130			1.59	25
Dichlorodifluoromethane	18.5	21.5	22.0	116	119	64.0-139			2.27	25
1,1,2-Trichlorotrifluoroethane	28.7	34.6	35.0	121	122	70.0-130			0.881	25
1,2-Dichlorotetrafluoroethane	26.2	30.9	31.3	118	119	70.0-130			1.12	25
Heptane	15.3	17.0	17.3	111	113	70.0-130			1.67	25
Hexachloro-1,3-butadiene	40.0	52.1	49.3	130	123	70.0-151			5.47	25
n-Hexane	13.2	14.8	14.9	112	113	70.0-130			0.948	25
Isopropylbenzene	18.4	23.0	22.6	125	122	70.0-130			1.94	25
Methylene Chloride	13.0	13.6	13.5	105	104	70.0-130			0.512	25
Methyl Butyl Ketone	15.3	17.5	17.6	114	115	70.0-149			0.698	25

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

(LCS) R4289483-1 10/19/25 10:22 • (LCSD) R4289483-2 10/19/25 10:49

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 %
2-Butanone (MEK)	11.1	12.2	12.5	110	113	70.0-130			2.15	25
4-Methyl-2-pentanone (MIBK)	15.4	15.4	15.1	100	98.7	70.0-139			1.34	25
Methyl methacrylate	15.4	17.8	18.1	116	118	70.0-130			1.60	25
MTBE	13.5	15.1	15.4	112	114	70.0-130			1.89	25
Naphthalene	19.6	23.3	22.7	119	116	70.0-159			2.73	25
2-Propanol	9.22	9.54	9.81	103	106	70.0-139			2.80	25
Propene	6.46	7.30	7.35	113	114	64.0-144			0.705	25
Styrene	31.9	39.8	39.9	125	125	70.0-130			0.320	25
1,1,2,2-Tetrachloroethane	25.8	32.6	32.2	126	125	70.0-130			1.06	25
Tetrachloroethylene	25.5	31.1	31.6	122	124	70.0-130			1.73	25
Tetrahydrofuran	11.1	11.7	11.8	106	106	70.0-137			0.755	25
Toluene	14.1	16.6	16.9	118	120	70.0-130			1.80	25
1,2,4-Trichlorobenzene	27.8	31.6	31.0	114	112	70.0-160			1.89	25
1,1,1-Trichloroethane	20.4	24.5	24.5	120	120	70.0-130			0.000	25
1,1,2-Trichloroethane	20.4	25.2	25.6	123	125	70.0-130			1.50	25
Trichloroethylene	20.1	23.7	23.9	118	119	70.0-130			0.901	25
1,2,4-Trimethylbenzene	18.4	23.9	23.7	130	129	70.0-130			0.826	25
1,3,5-Trimethylbenzene	18.4	23.7	23.9	129	130	70.0-130			0.826	25
2,2,4-Trimethylpentane	17.5	19.7	20.0	113	114	70.0-130			1.41	25
Vinyl chloride	9.59	10.8	10.9	113	114	70.0-130			1.18	25
Vinyl Bromide	16.4	20.0	20.3	122	124	70.0-130			1.52	25
Vinyl acetate	13.2	14.2	15.4	107	117	70.0-130			8.34	25
m&p-Xylene	32.5	40.0	39.9	123	123	70.0-130			0.217	25
o-Xylene	16.3	19.9	19.7	122	121	70.0-130			0.877	25
(S) 1,4-Bromofluorobenzene				*95.5*	*94.6*	*60.0-140*				

Method Blank (MB)

(MB) R4289940-3 10/21/25 11:32

Analyte	MB Result ug/m3	MB Qualifier	MB MDL ug/m3	MB RDL ug/m3
Propene	U		0.368	2.15
Tetrachloroethylene	U		0.754	1.36
(S) 1,4-Bromofluorobenzene	*97.4*			*60.0-140*

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

(LCS) R4289940-1 10/21/25 08:59 • (LCSD) R4289940-2 10/21/25 09:31

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 %
Propene	6.46	5.85	5.89	90.7	91.2	64.0-144			0.587	25
Tetrachloroethylene	25.5	24.8	25.1	97.3	98.7	70.0-130			1.36	25
(S) 1,4-Bromofluorobenzene				*101*	*98.9*	*60.0-140*				

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

Method Blank (MB)

(MB) R4289915-3 10/21/25 09:53

Analyte	MB Result ug/m3	MB Qualifier	MB MDL ug/m3	MB RDL ug/m3
2-Propanol	U		1.67	3.07
(S) 1,4-Bromofluorobenzene	*82.0*			*60.0-140*

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

(LCS) R4289915-1 10/21/25 08:56 • (LCSD) R4289915-2 10/21/25 09:26

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 %
2-Propanol	9.22	8.50	8.31	92.3	90.1	70.0-139			2.34	25
(S) 1,4-Bromofluorobenzene				*100*	*99.5*	*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.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	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.

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

Scan QR code for instructions

Company Name: **Alpha Environmental Services, Inc**	Contact/Report To: **Jim Cooper**
Street Address: **11080 SW Allen Blvd.**	Phone #: **503-292-5346**
	E-Mail: **jim@alphaenvironmental.net**
City, State Zip:	Cc E-Mail:
Customer Project #: **25-68929**	Invoice to:
Project Name: 1555 Monmouth Street	Invoice E-Mail:
Site Collection Info/Facility ID (as applicable): **ALPHAENVBOR-AIR**	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [X] PT [ ] MT [ ] CT [ ] ET	State origin of sample(s):

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_____

Date Results Requested:

Permit # as applicable:

Units for Reporting: ug/m³ PPBV mg/m³ PPMV

Field Information

Analyses Requested

XO 9.24.25

Proj. Manager: **942 - Jordan N Zito**

AcctNum / Client ID: **ALPHAENVBO**

Table #:

Profile / Template: **T281299**

Prelog / Bottle Ord. ID: **P1179662**

Lab Use Only

* 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	TO-15 Summa	RBDM VOC's	TPH		Sample Comment
SV-1	SV	9025	13354	10/10	10:48	10/10	10:54	30	5	6			X	X	X		
SS-1	SV	22419	12904	10/10	11:29	10/10	11:34	28	5	5			X	X	X		
SS-2	SV	10645	12863	"	12:00	"	12:06	30	5	6			X	X	X		
SS-2-Dup	SV	24813	29065	"	12:09	"	12:15	30	5	6			X	X	X		
SS-3	SV	15839	14493	"	12:36	"	12:38	10	3	2			X	X	X		
SS-4	SV	23905	12892	"	13:11	"	13:17	30	4	6			X	X	X		

Sample Receipt Checklist

COC Seal Present/Intact: __Y __N ✓NP

COC Signed/Accurate: ✓Y __N

Bottles arrive intact: ✓Y __N

Correct bottles used: ✓Y __N

Unused: ____1L ____6L ____1.4L

Airs Size: 6 1L ____6L ____1.4L

Tage Color: G___ W6 P___ B___

Condition: ___OK ✓NCF

Customer Remarks / Special

Printed Name:

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:	Tracking Number:
Matt Hallmark	10/10 17:00	[signature]	10/14/25 0845	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: In- Person Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	FedEX UPS Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page:____ of:____

10/14 L1909090 ALPHAENVBOR NCF No COC M081

R5

Time estimate: oh **Time spent:** oh

Members

Jeremy Watkins (responsible) JZ Jordan Zito

- [ ] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Custody seal not intact
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [x] Chain of Custody is missing
- [x] If no COC: Received by: Dalton Mason
- [x] If no COC: Date/Time: 10/14/25 0845
- [x] If no COC: Temp./Cont.Rec./pH: AMB
- [x] If no COC: Carrier: FedEx
- [x] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Jeremy Watkins *15 October 2025 4:43 PM*

Received Air Sample for P1179662/T281299 no COC

Jordan Zito *17 October 2025 9:13 AM*

Log for TO-15, COC attached