

May 13, 2020

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

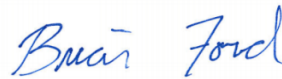
⁹ Sc

Cascade Corporation- Fairview, OR

Sample Delivery Group: L1215754
Samples Received: 05/06/2020
Project Number: PNG0564S19
Description: Cascade TSA

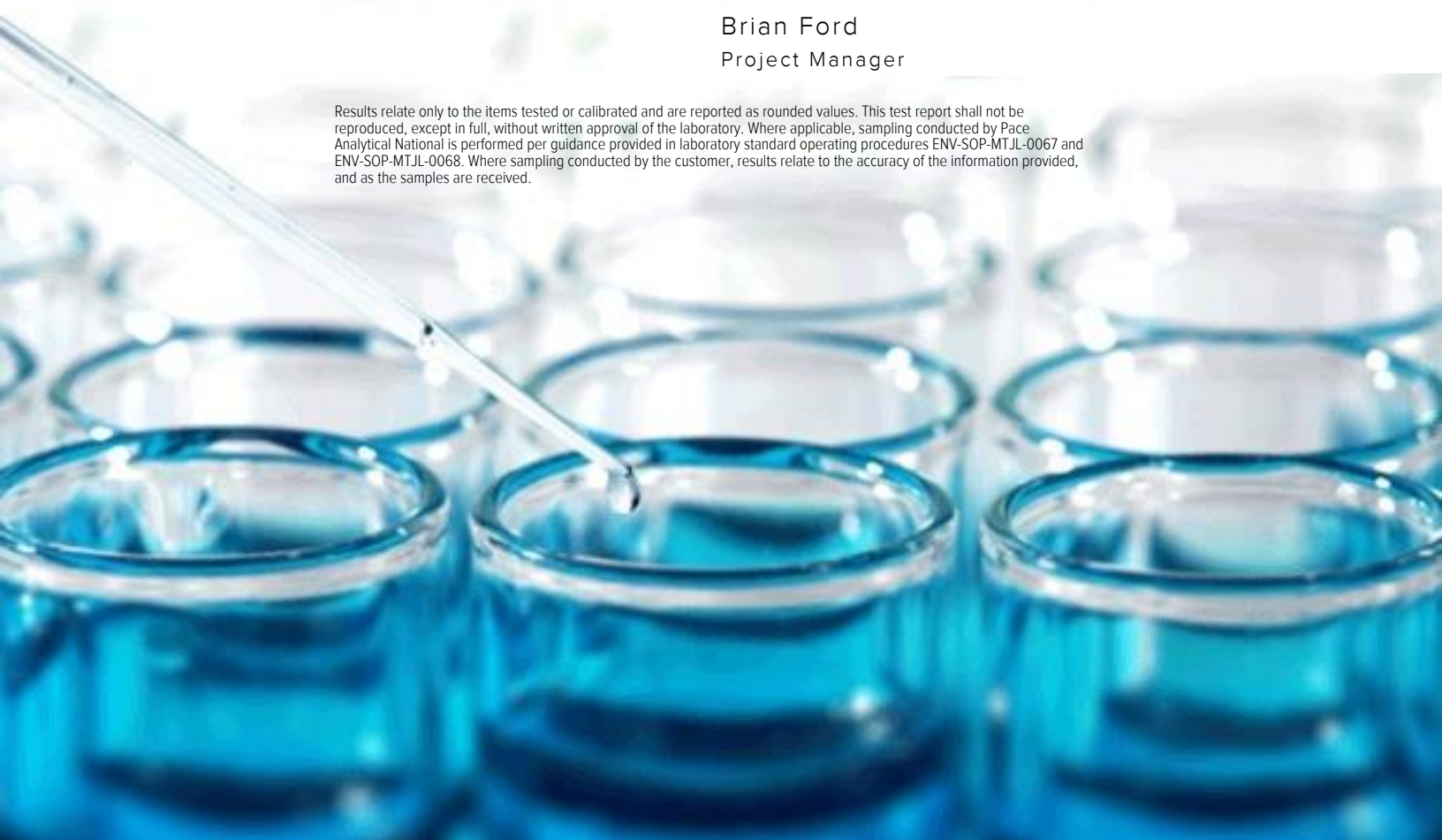
Report To: Cindy Bartlett
2201 NE 201st Avenue
Fairview, OR 97024-9718

Entire Report Reviewed By:



Brian Ford
Project Manager

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





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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



TS-C-EFF-050520 L1215754-01 GW

Collected by
PY/MT
Collected date/time
05/05/20 08:20
Received date/time
05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472732	1	05/08/20 19:47	05/08/20 19:47	ADM	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

TS-C-EFF-050520-DUP L1215754-02 GW

Collected by
PY/MT
Collected date/time
05/05/20 08:21
Received date/time
05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472732	1	05/08/20 20:08	05/08/20 20:08	ADM	Mt. Juliet, TN

⁴ Cn

⁵ Sr

TS-C-INF-050520 L1215754-03 GW

Collected by
PY/MT
Collected date/time
05/05/20 08:35
Received date/time
05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472732	1	05/08/20 20:28	05/08/20 20:28	ADM	Mt. Juliet, TN

⁶ Qc

⁷ Gl

TRIP BLANK LOT 440 L1215754-05 GW

Collected by
PY/MT
Collected date/time
05/05/20 00:00
Received date/time
05/06/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1472473	1	05/07/20 20:13	05/07/20 20:13	ADM	Mt. Juliet, TN

⁸ Al

⁹ Sc

ACCOUNT:

Cascade Corporation- Fairview, OR

PROJECT:

PNG0564S19

SDG:

L1215754

DATE/TIME:

05/13/20 19:49

PAGE:

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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.

Brian Ford
Project Manager

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	05/08/2020 19:47	WG1472732
Acrolein	ND	<u>JO</u>	50.0	1	05/08/2020 19:47	WG1472732
Acrylonitrile	ND		5.00	1	05/08/2020 19:47	WG1472732
Benzene	ND		0.500	1	05/08/2020 19:47	WG1472732
Bromobenzene	ND		0.500	1	05/08/2020 19:47	WG1472732
Bromodichloromethane	ND		0.500	1	05/08/2020 19:47	WG1472732
Bromoform	ND		0.500	1	05/08/2020 19:47	WG1472732
Bromomethane	ND		2.50	1	05/08/2020 19:47	WG1472732
n-Butylbenzene	ND		0.500	1	05/08/2020 19:47	WG1472732
sec-Butylbenzene	ND		0.500	1	05/08/2020 19:47	WG1472732
tert-Butylbenzene	ND		0.500	1	05/08/2020 19:47	WG1472732
Carbon disulfide	ND		0.500	1	05/08/2020 19:47	WG1472732
Carbon tetrachloride	ND		0.500	1	05/08/2020 19:47	WG1472732
Chlorobenzene	ND		0.500	1	05/08/2020 19:47	WG1472732
Chlorodibromomethane	ND		0.500	1	05/08/2020 19:47	WG1472732
Chloroethane	ND		2.50	1	05/08/2020 19:47	WG1472732
Chloroform	ND		0.500	1	05/08/2020 19:47	WG1472732
Chloromethane	ND		1.25	1	05/08/2020 19:47	WG1472732
2-Chlorotoluene	ND		0.500	1	05/08/2020 19:47	WG1472732
4-Chlorotoluene	ND		0.500	1	05/08/2020 19:47	WG1472732
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	05/08/2020 19:47	WG1472732
1,2-Dibromoethane	ND		0.500	1	05/08/2020 19:47	WG1472732
Dibromomethane	ND		0.500	1	05/08/2020 19:47	WG1472732
1,2-Dichlorobenzene	ND		0.500	1	05/08/2020 19:47	WG1472732
1,3-Dichlorobenzene	ND		0.500	1	05/08/2020 19:47	WG1472732
1,4-Dichlorobenzene	ND		0.500	1	05/08/2020 19:47	WG1472732
Dichlorodifluoromethane	ND		2.50	1	05/08/2020 19:47	WG1472732
1,1-Dichloroethane	ND		0.500	1	05/08/2020 19:47	WG1472732
1,2-Dichloroethane	ND		0.500	1	05/08/2020 19:47	WG1472732
1,1-Dichloroethene	ND		0.500	1	05/08/2020 19:47	WG1472732
cis-1,2-Dichloroethene	ND		0.500	1	05/08/2020 19:47	WG1472732
trans-1,2-Dichloroethene	ND		0.500	1	05/08/2020 19:47	WG1472732
1,2-Dichloropropane	ND		0.500	1	05/08/2020 19:47	WG1472732
1,1-Dichloropropene	ND		0.500	1	05/08/2020 19:47	WG1472732
1,3-Dichloropropane	ND		1.00	1	05/08/2020 19:47	WG1472732
cis-1,3-Dichloropropene	ND		0.500	1	05/08/2020 19:47	WG1472732
trans-1,3-Dichloropropene	ND		0.500	1	05/08/2020 19:47	WG1472732
2,2-Dichloropropane	ND		0.500	1	05/08/2020 19:47	WG1472732
Di-isopropyl ether	ND		0.500	1	05/08/2020 19:47	WG1472732
Ethylbenzene	ND		0.500	1	05/08/2020 19:47	WG1472732
Hexachloro-1,3-butadiene	ND		1.00	1	05/08/2020 19:47	WG1472732
Isopropylbenzene	ND		0.500	1	05/08/2020 19:47	WG1472732
p-Isopropyltoluene	ND		0.500	1	05/08/2020 19:47	WG1472732
2-Butanone (MEK)	ND		5.00	1	05/08/2020 19:47	WG1472732
Methylene Chloride	ND		2.50	1	05/08/2020 19:47	WG1472732
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	05/08/2020 19:47	WG1472732
Methyl tert-butyl ether	ND		0.500	1	05/08/2020 19:47	WG1472732
Naphthalene	ND	<u>JO</u>	2.50	1	05/08/2020 19:47	WG1472732
n-Propylbenzene	ND		0.500	1	05/08/2020 19:47	WG1472732
Styrene	ND		0.500	1	05/08/2020 19:47	WG1472732
1,1,1,2-Tetrachloroethane	ND		0.500	1	05/08/2020 19:47	WG1472732
1,1,2,2-Tetrachloroethane	ND		0.500	1	05/08/2020 19:47	WG1472732
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	05/08/2020 19:47	WG1472732
Tetrachloroethene	ND		0.500	1	05/08/2020 19:47	WG1472732
Toluene	ND		0.500	1	05/08/2020 19:47	WG1472732
1,2,3-Trichlorobenzene	ND		0.500	1	05/08/2020 19:47	WG1472732

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	05/08/2020 19:47	WG1472732
1,1,1-Trichloroethane	ND		0.500	1	05/08/2020 19:47	WG1472732
1,1,2-Trichloroethane	ND		0.500	1	05/08/2020 19:47	WG1472732
Trichloroethene	ND		0.500	1	05/08/2020 19:47	WG1472732
Trichlorofluoromethane	ND		2.50	1	05/08/2020 19:47	WG1472732
1,2,3-Trichloropropane	ND		2.50	1	05/08/2020 19:47	WG1472732
1,2,4-Trimethylbenzene	ND		0.500	1	05/08/2020 19:47	WG1472732
1,1,3-Trimethylbenzene	ND		0.500	1	05/08/2020 19:47	WG1472732
1,3,5-Trimethylbenzene	ND		0.500	1	05/08/2020 19:47	WG1472732
Vinyl chloride	ND		0.500	1	05/08/2020 19:47	WG1472732
Xylenes, Total	ND		1.50	1	05/08/2020 19:47	WG1472732
(S) Toluene-d8	93.9		80.0-120		05/08/2020 19:47	WG1472732
(S) 4-Bromofluorobenzene	84.9		77.0-126		05/08/2020 19:47	WG1472732
(S) 1,2-Dichloroethane-d4	92.2		70.0-130		05/08/2020 19:47	WG1472732

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		25.0	1	05/08/2020 20:08	WG1472732
Acrolein	ND	<u>JO</u>	50.0	1	05/08/2020 20:08	WG1472732
Acrylonitrile	ND		5.00	1	05/08/2020 20:08	WG1472732
Benzene	ND		0.500	1	05/08/2020 20:08	WG1472732
Bromobenzene	ND		0.500	1	05/08/2020 20:08	WG1472732
Bromodichloromethane	ND		0.500	1	05/08/2020 20:08	WG1472732
Bromoform	ND		0.500	1	05/08/2020 20:08	WG1472732
Bromomethane	ND		2.50	1	05/08/2020 20:08	WG1472732
n-Butylbenzene	ND		0.500	1	05/08/2020 20:08	WG1472732
sec-Butylbenzene	ND		0.500	1	05/08/2020 20:08	WG1472732
tert-Butylbenzene	ND		0.500	1	05/08/2020 20:08	WG1472732
Carbon disulfide	ND		0.500	1	05/08/2020 20:08	WG1472732
Carbon tetrachloride	ND		0.500	1	05/08/2020 20:08	WG1472732
Chlorobenzene	ND		0.500	1	05/08/2020 20:08	WG1472732
Chlorodibromomethane	ND		0.500	1	05/08/2020 20:08	WG1472732
Chloroethane	ND		2.50	1	05/08/2020 20:08	WG1472732
Chloroform	ND		0.500	1	05/08/2020 20:08	WG1472732
Chloromethane	ND		1.25	1	05/08/2020 20:08	WG1472732
2-Chlorotoluene	ND		0.500	1	05/08/2020 20:08	WG1472732
4-Chlorotoluene	ND		0.500	1	05/08/2020 20:08	WG1472732
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	05/08/2020 20:08	WG1472732
1,2-Dibromoethane	ND		0.500	1	05/08/2020 20:08	WG1472732
Dibromomethane	ND		0.500	1	05/08/2020 20:08	WG1472732
1,2-Dichlorobenzene	ND		0.500	1	05/08/2020 20:08	WG1472732
1,3-Dichlorobenzene	ND		0.500	1	05/08/2020 20:08	WG1472732
1,4-Dichlorobenzene	ND		0.500	1	05/08/2020 20:08	WG1472732
Dichlorodifluoromethane	ND		2.50	1	05/08/2020 20:08	WG1472732
1,1-Dichloroethane	ND		0.500	1	05/08/2020 20:08	WG1472732
1,2-Dichloroethane	ND		0.500	1	05/08/2020 20:08	WG1472732
1,1-Dichloroethene	ND		0.500	1	05/08/2020 20:08	WG1472732
cis-1,2-Dichloroethene	ND		0.500	1	05/08/2020 20:08	WG1472732
trans-1,2-Dichloroethene	ND		0.500	1	05/08/2020 20:08	WG1472732
1,2-Dichloropropane	ND		0.500	1	05/08/2020 20:08	WG1472732
1,1-Dichloropropene	ND		0.500	1	05/08/2020 20:08	WG1472732
1,3-Dichloropropane	ND		1.00	1	05/08/2020 20:08	WG1472732
cis-1,3-Dichloropropene	ND		0.500	1	05/08/2020 20:08	WG1472732
trans-1,3-Dichloropropene	ND		0.500	1	05/08/2020 20:08	WG1472732
2,2-Dichloropropane	ND		0.500	1	05/08/2020 20:08	WG1472732
Di-isopropyl ether	ND		0.500	1	05/08/2020 20:08	WG1472732
Ethylbenzene	ND		0.500	1	05/08/2020 20:08	WG1472732
Hexachloro-1,3-butadiene	ND		1.00	1	05/08/2020 20:08	WG1472732
Isopropylbenzene	ND		0.500	1	05/08/2020 20:08	WG1472732
p-Isopropyltoluene	ND		0.500	1	05/08/2020 20:08	WG1472732
2-Butanone (MEK)	ND		5.00	1	05/08/2020 20:08	WG1472732
Methylene Chloride	ND		2.50	1	05/08/2020 20:08	WG1472732
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	05/08/2020 20:08	WG1472732
Methyl tert-butyl ether	ND		0.500	1	05/08/2020 20:08	WG1472732
Naphthalene	ND	<u>JO</u>	2.50	1	05/08/2020 20:08	WG1472732
n-Propylbenzene	ND		0.500	1	05/08/2020 20:08	WG1472732
Styrene	ND		0.500	1	05/08/2020 20:08	WG1472732
1,1,1,2-Tetrachloroethane	ND		0.500	1	05/08/2020 20:08	WG1472732
1,1,2,2-Tetrachloroethane	ND		0.500	1	05/08/2020 20:08	WG1472732
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	05/08/2020 20:08	WG1472732
Tetrachloroethene	ND		0.500	1	05/08/2020 20:08	WG1472732
Toluene	ND		0.500	1	05/08/2020 20:08	WG1472732
1,2,3-Trichlorobenzene	ND		0.500	1	05/08/2020 20:08	WG1472732

1 Cp

2 Tc

3 Ss

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8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	05/08/2020 20:08	WG1472732
1,1,1-Trichloroethane	ND		0.500	1	05/08/2020 20:08	WG1472732
1,1,2-Trichloroethane	ND		0.500	1	05/08/2020 20:08	WG1472732
Trichloroethene	ND		0.500	1	05/08/2020 20:08	WG1472732
Trichlorofluoromethane	ND		2.50	1	05/08/2020 20:08	WG1472732
1,2,3-Trichloropropane	ND		2.50	1	05/08/2020 20:08	WG1472732
1,2,4-Trimethylbenzene	ND		0.500	1	05/08/2020 20:08	WG1472732
1,2,3-Trimethylbenzene	ND		0.500	1	05/08/2020 20:08	WG1472732
1,3,5-Trimethylbenzene	ND		0.500	1	05/08/2020 20:08	WG1472732
Vinyl chloride	ND		0.500	1	05/08/2020 20:08	WG1472732
Xylenes, Total	ND		1.50	1	05/08/2020 20:08	WG1472732
(S) Toluene-d8	94.6		80.0-120		05/08/2020 20:08	WG1472732
(S) 4-Bromofluorobenzene	84.7		77.0-126		05/08/2020 20:08	WG1472732
(S) 1,2-Dichloroethane-d4	89.2		70.0-130		05/08/2020 20:08	WG1472732

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		25.0	1	05/08/2020 20:28	WG1472732
Acrolein	ND	<u>JO</u>	50.0	1	05/08/2020 20:28	WG1472732
Acrylonitrile	ND		5.00	1	05/08/2020 20:28	WG1472732
Benzene	ND		0.500	1	05/08/2020 20:28	WG1472732
Bromobenzene	ND		0.500	1	05/08/2020 20:28	WG1472732
Bromodichloromethane	ND		0.500	1	05/08/2020 20:28	WG1472732
Bromoform	ND		0.500	1	05/08/2020 20:28	WG1472732
Bromomethane	ND		2.50	1	05/08/2020 20:28	WG1472732
n-Butylbenzene	ND		0.500	1	05/08/2020 20:28	WG1472732
sec-Butylbenzene	ND		0.500	1	05/08/2020 20:28	WG1472732
tert-Butylbenzene	ND		0.500	1	05/08/2020 20:28	WG1472732
Carbon disulfide	ND		0.500	1	05/08/2020 20:28	WG1472732
Carbon tetrachloride	ND		0.500	1	05/08/2020 20:28	WG1472732
Chlorobenzene	ND		0.500	1	05/08/2020 20:28	WG1472732
Chlorodibromomethane	ND		0.500	1	05/08/2020 20:28	WG1472732
Chloroethane	ND		2.50	1	05/08/2020 20:28	WG1472732
Chloroform	ND		0.500	1	05/08/2020 20:28	WG1472732
Chloromethane	ND		1.25	1	05/08/2020 20:28	WG1472732
2-Chlorotoluene	ND		0.500	1	05/08/2020 20:28	WG1472732
4-Chlorotoluene	ND		0.500	1	05/08/2020 20:28	WG1472732
1,2-Dibromo-3-Chloropropane	ND	<u>JO</u>	2.50	1	05/08/2020 20:28	WG1472732
1,2-Dibromoethane	ND		0.500	1	05/08/2020 20:28	WG1472732
Dibromomethane	ND		0.500	1	05/08/2020 20:28	WG1472732
1,2-Dichlorobenzene	ND		0.500	1	05/08/2020 20:28	WG1472732
1,3-Dichlorobenzene	ND		0.500	1	05/08/2020 20:28	WG1472732
1,4-Dichlorobenzene	ND		0.500	1	05/08/2020 20:28	WG1472732
Dichlorodifluoromethane	ND		2.50	1	05/08/2020 20:28	WG1472732
1,1-Dichloroethane	ND		0.500	1	05/08/2020 20:28	WG1472732
1,2-Dichloroethane	ND		0.500	1	05/08/2020 20:28	WG1472732
1,1-Dichloroethene	ND		0.500	1	05/08/2020 20:28	WG1472732
cis-1,2-Dichloroethene	ND		0.500	1	05/08/2020 20:28	WG1472732
trans-1,2-Dichloroethene	ND		0.500	1	05/08/2020 20:28	WG1472732
1,2-Dichloropropane	ND		0.500	1	05/08/2020 20:28	WG1472732
1,1-Dichloropropene	ND		0.500	1	05/08/2020 20:28	WG1472732
1,3-Dichloropropane	ND		1.00	1	05/08/2020 20:28	WG1472732
cis-1,3-Dichloropropene	ND		0.500	1	05/08/2020 20:28	WG1472732
trans-1,3-Dichloropropene	ND		0.500	1	05/08/2020 20:28	WG1472732
2,2-Dichloropropane	ND		0.500	1	05/08/2020 20:28	WG1472732
Di-isopropyl ether	ND		0.500	1	05/08/2020 20:28	WG1472732
Ethylbenzene	ND		0.500	1	05/08/2020 20:28	WG1472732
Hexachloro-1,3-butadiene	ND		1.00	1	05/08/2020 20:28	WG1472732
Isopropylbenzene	ND		0.500	1	05/08/2020 20:28	WG1472732
p-Isopropyltoluene	ND		0.500	1	05/08/2020 20:28	WG1472732
2-Butanone (MEK)	ND		5.00	1	05/08/2020 20:28	WG1472732
Methylene Chloride	ND		2.50	1	05/08/2020 20:28	WG1472732
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	05/08/2020 20:28	WG1472732
Methyl tert-butyl ether	ND		0.500	1	05/08/2020 20:28	WG1472732
Naphthalene	ND	<u>JO</u>	2.50	1	05/08/2020 20:28	WG1472732
n-Propylbenzene	ND		0.500	1	05/08/2020 20:28	WG1472732
Styrene	ND		0.500	1	05/08/2020 20:28	WG1472732
1,1,1,2-Tetrachloroethane	ND		0.500	1	05/08/2020 20:28	WG1472732
1,1,2,2-Tetrachloroethane	ND		0.500	1	05/08/2020 20:28	WG1472732
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	05/08/2020 20:28	WG1472732
Tetrachloroethene	ND		0.500	1	05/08/2020 20:28	WG1472732
Toluene	ND		0.500	1	05/08/2020 20:28	WG1472732
1,2,3-Trichlorobenzene	ND		0.500	1	05/08/2020 20:28	WG1472732

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	05/08/2020 20:28	WG1472732
1,1,1-Trichloroethane	ND		0.500	1	05/08/2020 20:28	WG1472732
1,1,2-Trichloroethane	ND		0.500	1	05/08/2020 20:28	WG1472732
Trichloroethene	3.94		0.500	1	05/08/2020 20:28	WG1472732
Trichlorofluoromethane	ND		2.50	1	05/08/2020 20:28	WG1472732
1,2,3-Trichloropropane	ND		2.50	1	05/08/2020 20:28	WG1472732
1,2,4-Trimethylbenzene	ND		0.500	1	05/08/2020 20:28	WG1472732
1,2,3-Trimethylbenzene	ND		0.500	1	05/08/2020 20:28	WG1472732
1,3,5-Trimethylbenzene	ND		0.500	1	05/08/2020 20:28	WG1472732
Vinyl chloride	ND		0.500	1	05/08/2020 20:28	WG1472732
Xylenes, Total	ND		1.50	1	05/08/2020 20:28	WG1472732
(S) Toluene-d8	96.6		80.0-120		05/08/2020 20:28	WG1472732
(S) 4-Bromofluorobenzene	87.1		77.0-126		05/08/2020 20:28	WG1472732
(S) 1,2-Dichloroethane-d4	89.2		70.0-130		05/08/2020 20:28	WG1472732

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J4	25.0	1	05/07/2020 20:13	WG1472473
Acrolein	ND		50.0	1	05/07/2020 20:13	WG1472473
Acrylonitrile	ND		5.00	1	05/07/2020 20:13	WG1472473
Benzene	ND		0.500	1	05/07/2020 20:13	WG1472473
Bromobenzene	ND		0.500	1	05/07/2020 20:13	WG1472473
Bromodichloromethane	ND		0.500	1	05/07/2020 20:13	WG1472473
Bromoform	ND		0.500	1	05/07/2020 20:13	WG1472473
Bromomethane	ND		2.50	1	05/07/2020 20:13	WG1472473
n-Butylbenzene	ND		0.500	1	05/07/2020 20:13	WG1472473
sec-Butylbenzene	ND		0.500	1	05/07/2020 20:13	WG1472473
tert-Butylbenzene	ND		0.500	1	05/07/2020 20:13	WG1472473
Carbon disulfide	ND		0.500	1	05/07/2020 20:13	WG1472473
Carbon tetrachloride	ND		0.500	1	05/07/2020 20:13	WG1472473
Chlorobenzene	ND		0.500	1	05/07/2020 20:13	WG1472473
Chlorodibromomethane	ND		0.500	1	05/07/2020 20:13	WG1472473
Chloroethane	ND		2.50	1	05/07/2020 20:13	WG1472473
Chloroform	ND		0.500	1	05/07/2020 20:13	WG1472473
Chloromethane	ND		1.25	1	05/07/2020 20:13	WG1472473
2-Chlorotoluene	ND		0.500	1	05/07/2020 20:13	WG1472473
4-Chlorotoluene	ND		0.500	1	05/07/2020 20:13	WG1472473
1,2-Dibromo-3-Chloropropane	ND		2.50	1	05/07/2020 20:13	WG1472473
1,2-Dibromoethane	ND		0.500	1	05/07/2020 20:13	WG1472473
Dibromomethane	ND		0.500	1	05/07/2020 20:13	WG1472473
1,2-Dichlorobenzene	ND		0.500	1	05/07/2020 20:13	WG1472473
1,3-Dichlorobenzene	ND		0.500	1	05/07/2020 20:13	WG1472473
1,4-Dichlorobenzene	ND		0.500	1	05/07/2020 20:13	WG1472473
Dichlorodifluoromethane	ND		2.50	1	05/07/2020 20:13	WG1472473
1,1-Dichloroethane	ND		0.500	1	05/07/2020 20:13	WG1472473
1,2-Dichloroethane	ND		0.500	1	05/07/2020 20:13	WG1472473
1,1-Dichloroethene	ND		0.500	1	05/07/2020 20:13	WG1472473
cis-1,2-Dichloroethene	ND		0.500	1	05/07/2020 20:13	WG1472473
trans-1,2-Dichloroethene	ND		0.500	1	05/07/2020 20:13	WG1472473
1,2-Dichloropropane	ND		0.500	1	05/07/2020 20:13	WG1472473
1,1-Dichloropropene	ND		0.500	1	05/07/2020 20:13	WG1472473
1,3-Dichloropropane	ND		1.00	1	05/07/2020 20:13	WG1472473
cis-1,3-Dichloropropene	ND		0.500	1	05/07/2020 20:13	WG1472473
trans-1,3-Dichloropropene	ND		0.500	1	05/07/2020 20:13	WG1472473
2,2-Dichloropropane	ND		0.500	1	05/07/2020 20:13	WG1472473
Di-isopropyl ether	ND		0.500	1	05/07/2020 20:13	WG1472473
Ethylbenzene	ND		0.500	1	05/07/2020 20:13	WG1472473
Hexachloro-1,3-butadiene	ND		1.00	1	05/07/2020 20:13	WG1472473
Isopropylbenzene	ND		0.500	1	05/07/2020 20:13	WG1472473
p-Isopropyltoluene	ND		0.500	1	05/07/2020 20:13	WG1472473
2-Butanone (MEK)	ND		5.00	1	05/07/2020 20:13	WG1472473
Methylene Chloride	ND		2.50	1	05/07/2020 20:13	WG1472473
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	05/07/2020 20:13	WG1472473
Methyl tert-butyl ether	ND		0.500	1	05/07/2020 20:13	WG1472473
Naphthalene	ND		2.50	1	05/07/2020 20:13	WG1472473
n-Propylbenzene	ND		0.500	1	05/07/2020 20:13	WG1472473
Styrene	ND		0.500	1	05/07/2020 20:13	WG1472473
1,1,1,2-Tetrachloroethane	ND		0.500	1	05/07/2020 20:13	WG1472473
1,1,2,2-Tetrachloroethane	ND		0.500	1	05/07/2020 20:13	WG1472473
1,1,2-Trichlorotrifluoroethane	ND		0.500	1	05/07/2020 20:13	WG1472473
Tetrachloroethene	ND		0.500	1	05/07/2020 20:13	WG1472473
Toluene	ND		0.500	1	05/07/2020 20:13	WG1472473
1,2,3-Trichlorobenzene	ND		0.500	1	05/07/2020 20:13	WG1472473

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	05/07/2020 20:13	WG1472473
1,1,1-Trichloroethane	ND		0.500	1	05/07/2020 20:13	WG1472473
1,1,2-Trichloroethane	ND		0.500	1	05/07/2020 20:13	WG1472473
Trichloroethene	ND		0.500	1	05/07/2020 20:13	WG1472473
Trichlorofluoromethane	ND		2.50	1	05/07/2020 20:13	WG1472473
1,2,3-Trichloropropane	ND		2.50	1	05/07/2020 20:13	WG1472473
1,2,4-Trimethylbenzene	ND		0.500	1	05/07/2020 20:13	WG1472473
1,2,3-Trimethylbenzene	ND		0.500	1	05/07/2020 20:13	WG1472473
1,3,5-Trimethylbenzene	ND		0.500	1	05/07/2020 20:13	WG1472473
Vinyl chloride	ND		0.500	1	05/07/2020 20:13	WG1472473
Xylenes, Total	ND		1.50	1	05/07/2020 20:13	WG1472473
(S) Toluene-d8	107		80.0-120		05/07/2020 20:13	WG1472473
(S) 4-Bromofluorobenzene	107		77.0-126		05/07/2020 20:13	WG1472473
(S) 1,2-Dichloroethane-d4	114		70.0-130		05/07/2020 20:13	WG1472473

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Method Blank (MB)

(MB) R3527397-2 05/07/20 19:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	U		0.157	0.500
sec-Butylbenzene	U		0.125	0.500
tert-Butylbenzene	U		0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
2,2-Dichloropropane	U		0.161	0.500
Di-isopropyl ether	U		0.105	0.500
Ethylbenzene	U		0.137	0.500

1

Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R3527397-2 05/07/20 19:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.337	1.00
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	0.500
1,2,3-Trimethylbenzene	U		0.104	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	109			80.0-120
(S) 4-Bromofluorobenzene	103			77.0-126
(S) 1,2-Dichloroethane-d4	113			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3527397-1 05/07/20 19:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	42.1	168	19.0-160	J4
Acrolein	25.0	34.0	136	10.0-160	
Acrylonitrile	25.0	24.8	99.2	55.0-149	



Laboratory Control Sample (LCS)

(LCS) R3527397-1 05/07/20 19:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Benzene	5.00	4.93	98.6	70.0-123	
Bromobenzene	5.00	4.62	92.4	73.0-121	
Bromodichloromethane	5.00	5.13	103	75.0-120	
Bromoform	5.00	5.16	103	68.0-132	
Bromomethane	5.00	5.64	113	10.0-160	
n-Butylbenzene	5.00	4.69	93.8	73.0-125	
sec-Butylbenzene	5.00	4.93	98.6	75.0-125	
tert-Butylbenzene	5.00	4.77	95.4	76.0-124	
Carbon disulfide	5.00	5.20	104	61.0-128	
Carbon tetrachloride	5.00	4.52	90.4	68.0-126	
Chlorobenzene	5.00	4.93	98.6	80.0-121	
Chlorodibromomethane	5.00	5.14	103	77.0-125	
Chloroethane	5.00	5.66	113	47.0-150	
Chloroform	5.00	5.13	103	73.0-120	
Chloromethane	5.00	4.88	97.6	41.0-142	
2-Chlorotoluene	5.00	4.69	93.8	76.0-123	
4-Chlorotoluene	5.00	4.80	96.0	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.90	98.0	58.0-134	
1,2-Dibromoethane	5.00	5.20	104	80.0-122	
Dibromomethane	5.00	5.20	104	80.0-120	
1,2-Dichlorobenzene	5.00	4.70	94.0	79.0-121	
1,3-Dichlorobenzene	5.00	4.79	95.8	79.0-120	
1,4-Dichlorobenzene	5.00	4.74	94.8	79.0-120	
Dichlorodifluoromethane	5.00	5.53	111	51.0-149	
1,1-Dichloroethane	5.00	4.86	97.2	70.0-126	
1,2-Dichloroethane	5.00	4.95	99.0	70.0-128	
1,1-Dichloroethene	5.00	5.00	100	71.0-124	
cis-1,2-Dichloroethene	5.00	5.52	110	73.0-120	
trans-1,2-Dichloroethene	5.00	5.05	101	73.0-120	
1,2-Dichloropropane	5.00	4.96	99.2	77.0-125	
1,1-Dichloropropene	5.00	4.76	95.2	74.0-126	
1,3-Dichloropropane	5.00	5.15	103	80.0-120	
cis-1,3-Dichloropropene	5.00	5.06	101	80.0-123	
trans-1,3-Dichloropropene	5.00	5.05	101	78.0-124	
2,2-Dichloropropane	5.00	5.20	104	58.0-130	
Di-isopropyl ether	5.00	4.85	97.0	58.0-138	
Ethylbenzene	5.00	5.06	101	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.15	83.0	54.0-138	
Isopropylbenzene	5.00	5.04	101	76.0-127	
p-Isopropyltoluene	5.00	4.98	99.6	76.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

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⁸Al

⁹Sc



Laboratory Control Sample (LCS)

(LCS) R3527397-1 05/07/20 19:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
2-Butanone (MEK)	25.0	31.8	127	44.0-160	
Methylene Chloride	5.00	5.32	106	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	25.9	104	68.0-142	
Methyl tert-butyl ether	5.00	5.05	101	68.0-125	
Naphthalene	5.00	4.46	89.2	54.0-135	
n-Propylbenzene	5.00	4.54	90.8	77.0-124	
Styrene	5.00	5.02	100	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.89	97.8	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.68	93.6	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	5.64	113	69.0-132	
Tetrachloroethene	5.00	5.31	106	72.0-132	
Toluene	5.00	4.73	94.6	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.38	87.6	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.42	88.4	57.0-137	
1,1,1-Trichloroethane	5.00	5.47	109	73.0-124	
1,1,2-Trichloroethane	5.00	5.20	104	80.0-120	
Trichloroethene	5.00	5.11	102	78.0-124	
Trichlorofluoromethane	5.00	5.55	111	59.0-147	
1,2,3-Trichloropropane	5.00	5.07	101	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.76	95.2	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.74	94.8	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.74	94.8	76.0-122	
Vinyl chloride	5.00	5.61	112	67.0-131	
Xylenes, Total	15.0	14.8	98.7	79.0-123	
(S) Toluene-d8			107	80.0-120	
(S) 4-Bromofluorobenzene			104	77.0-126	
(S) 1,2-Dichloroethane-d4			114	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3526207-3 05/08/20 16:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	U		0.157	0.500
sec-Butylbenzene	U		0.125	0.500
tert-Butylbenzene	U		0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
2,2-Dichloropropane	U		0.161	0.500
Di-isopropyl ether	U		0.105	0.500
Ethylbenzene	U		0.137	0.500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3526207-3 05/08/20 16:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.337	1.00
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	0.209	U	0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,3-Trimethylbenzene	U		0.104	0.500
1,2,4-Trimethylbenzene	U		0.322	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	96.9			80.0-120
(S) 4-Bromofluorobenzene	90.3			77.0-126
(S) 1,2-Dichloroethane-d4	89.1			70.0-130

1

Cp

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Tc

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Ss

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Cn

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Sr

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Qc

7

Gl

8

Al

9

Sc

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

(LCS) R3526207-1 05/08/20 15:21 • (LCSD) R3526207-2 05/08/20 15:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	20.8	21.8	83.2	87.2	19.0-160			4.69	27
Acrolein	25.0	16.2	13.7	64.8	54.8	10.0-160			16.7	26
Acrylonitrile	25.0	23.9	24.2	95.6	96.8	55.0-149			1.25	20

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

(LCS) R3526207-1 05/08/20 15:21 • (LCSD) R3526207-2 05/08/20 15:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Benzene	5.00	4.77	4.56	95.4	91.2	70.0-123			4.50	20
Bromobenzene	5.00	4.69	4.53	93.8	90.6	73.0-121			3.47	20
Bromodichloromethane	5.00	4.53	4.56	90.6	91.2	75.0-120			0.660	20
Bromoform	5.00	4.52	4.27	90.4	85.4	68.0-132			5.69	20
Bromomethane	5.00	4.48	4.33	89.6	86.6	10.0-160			3.41	25
n-Butylbenzene	5.00	5.10	4.87	102	97.4	73.0-125			4.61	20
sec-Butylbenzene	5.00	5.13	5.04	103	101	75.0-125			1.77	20
tert-Butylbenzene	5.00	5.09	4.68	102	93.6	76.0-124			8.39	20
Carbon disulfide	5.00	4.81	4.64	96.2	92.8	61.0-128			3.60	20
Carbon tetrachloride	5.00	4.49	4.44	89.8	88.8	68.0-126			1.12	20
Chlorobenzene	5.00	4.72	4.55	94.4	91.0	80.0-121			3.67	20
Chlorodibromomethane	5.00	4.74	4.61	94.8	92.2	77.0-125			2.78	20
Chloroethane	5.00	4.69	4.54	93.8	90.8	47.0-150			3.25	20
Chloroform	5.00	4.52	4.18	90.4	83.6	73.0-120			7.82	20
Chloromethane	5.00	5.16	4.94	103	98.8	41.0-142			4.36	20
2-Chlorotoluene	5.00	4.59	4.34	91.8	86.8	76.0-123			5.60	20
4-Chlorotoluene	5.00	4.90	4.41	98.0	88.2	75.0-122			10.5	20
1,2-Dibromo-3-Chloropropane	5.00	3.84	3.88	76.8	77.6	58.0-134			1.04	20
1,2-Dibromoethane	5.00	4.89	4.97	97.8	99.4	80.0-122			1.62	20
Dibromomethane	5.00	4.83	4.65	96.6	93.0	80.0-120			3.80	20
1,2-Dichlorobenzene	5.00	4.98	4.46	99.6	89.2	79.0-121			11.0	20
1,3-Dichlorobenzene	5.00	5.09	4.60	102	92.0	79.0-120			10.1	20
1,4-Dichlorobenzene	5.00	4.45	4.38	89.0	87.6	79.0-120			1.59	20
Dichlorodifluoromethane	5.00	5.95	5.80	119	116	51.0-149			2.55	20
1,1-Dichloroethane	5.00	4.73	4.61	94.6	92.2	70.0-126			2.57	20
1,2-Dichloroethane	5.00	4.60	4.39	92.0	87.8	70.0-128			4.67	20
1,1-Dichloroethene	5.00	4.78	4.60	95.6	92.0	71.0-124			3.84	20
cis-1,2-Dichloroethene	5.00	4.54	4.36	90.8	87.2	73.0-120			4.04	20
trans-1,2-Dichloroethene	5.00	4.80	4.66	96.0	93.2	73.0-120			2.96	20
1,2-Dichloropropane	5.00	4.41	4.67	88.2	93.4	77.0-125			5.73	20
1,1-Dichloropropene	5.00	4.79	4.81	95.8	96.2	74.0-126			0.417	20
1,3-Dichloropropane	5.00	4.88	4.81	97.6	96.2	80.0-120			1.44	20
cis-1,3-Dichloropropene	5.00	4.74	4.68	94.8	93.6	80.0-123			1.27	20
trans-1,3-Dichloropropene	5.00	4.75	4.69	95.0	93.8	78.0-124			1.27	20
2,2-Dichloropropane	5.00	5.14	4.80	103	96.0	58.0-130			6.84	20
Di-isopropyl ether	5.00	4.90	4.73	98.0	94.6	58.0-138			3.53	20
Ethylbenzene	5.00	4.74	4.65	94.8	93.0	79.0-123			1.92	20
Hexachloro-1,3-butadiene	5.00	4.85	4.89	97.0	97.8	54.0-138			0.821	20
Isopropylbenzene	5.00	5.03	4.87	101	97.4	76.0-127			3.23	20
p-Isopropyltoluene	5.00	5.10	4.68	102	93.6	76.0-125			8.59	20

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Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

8

Al

9

Sc



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

(LCS) R3526207-1 05/08/20 15:21 • (LCSD) R3526207-2 05/08/20 15:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
2-Butanone (MEK)	25.0	22.4	21.0	89.6	84.0	44.0-160			6.45	20
Methylene Chloride	5.00	4.84	4.60	96.8	92.0	67.0-120			5.08	20
4-Methyl-2-pentanone (MIBK)	25.0	24.0	22.2	96.0	88.8	68.0-142			7.79	20
Methyl tert-butyl ether	5.00	4.66	4.63	93.2	92.6	68.0-125			0.646	20
Naphthalene	5.00	3.70	3.73	74.0	74.6	54.0-135			0.808	20
n-Propylbenzene	5.00	4.99	4.83	99.8	96.6	77.0-124			3.26	20
Styrene	5.00	4.23	4.06	84.6	81.2	73.0-130			4.10	20
1,1,1,2-Tetrachloroethane	5.00	4.86	4.51	97.2	90.2	75.0-125			7.47	20
1,1,2,2-Tetrachloroethane	5.00	4.67	4.31	93.4	86.2	65.0-130			8.02	20
Tetrachloroethene	5.00	5.10	4.91	102	98.2	72.0-132			3.80	20
Toluene	5.00	4.87	4.72	97.4	94.4	79.0-120			3.13	20
1,1,2-Trichlorotrifluoroethane	5.00	5.05	4.69	101	93.8	69.0-132			7.39	20
1,2,3-Trichlorobenzene	5.00	4.77	4.58	95.4	91.6	50.0-138			4.06	20
1,2,4-Trichlorobenzene	5.00	5.20	5.08	104	102	57.0-137			2.33	20
1,1,1-Trichloroethane	5.00	5.01	4.80	100	96.0	73.0-124			4.28	20
1,1,2-Trichloroethane	5.00	4.94	5.05	98.8	101	80.0-120			2.20	20
Trichloroethene	5.00	4.93	4.66	98.6	93.2	78.0-124			5.63	20
Trichlorofluoromethane	5.00	5.11	4.82	102	96.4	59.0-147			5.84	20
1,2,3-Trichloropropane	5.00	4.78	4.61	95.6	92.2	73.0-130			3.62	20
1,2,3-Trimethylbenzene	5.00	4.77	4.49	95.4	89.8	77.0-120			6.05	20
1,2,4-Trimethylbenzene	5.00	4.98	4.79	99.6	95.8	76.0-121			3.89	20
1,3,5-Trimethylbenzene	5.00	4.85	4.65	97.0	93.0	76.0-122			4.21	20
Vinyl chloride	5.00	5.01	4.94	100	98.8	67.0-131			1.41	20
Xylenes, Total	15.0	14.7	14.2	98.0	94.7	79.0-123			3.46	20
(S) Toluene-d8				94.4	95.6	80.0-120				
(S) 4-Bromofluorobenzene				93.7	96.0	77.0-126				
(S) 1,2-Dichloroethane-d4				89.0	88.9	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1215620-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1215620-02 05/08/20 18:27 • (MS) R3526207-4 05/09/20 00:12 • (MSD) R3526207-5 05/09/20 00:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acetone	25.0	U	17.9	111	71.6	444	1	10.0-160		J3 J5	144	35
Acrolein	25.0	U	16.5	75.0	66.0	300	1	10.0-160		J3 J5	128	39
Acrylonitrile	25.0	U	20.7	39.2	82.8	157	1	21.0-160		J3	61.8	32
Benzene	5.00	7.60	3.64	12.0	0.000	88.0	1	17.0-158	J6	J3	107	27
Bromobenzene	5.00	U	3.29	5.39	65.8	108	1	30.0-149		J3	48.4	28
Bromodichloromethane	5.00	U	3.57	4.37	71.4	87.4	1	31.0-150			20.2	27



L1215620-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1215620-02 05/08/20 18:27 • (MS) R3526207-4 05/09/20 00:12 • (MSD) R3526207-5 05/09/20 00:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromoform	5.00	U	3.34	4.11	66.8	82.2	1	29.0-150			20.7	29
Bromomethane	5.00	U	3.98	4.46	79.6	89.2	1	10.0-160			11.4	38
n-Butylbenzene	5.00	U	2.93	6.99	58.6	140	1	31.0-150		J3	81.9	30
sec-Butylbenzene	5.00	U	3.04	4.29	60.8	85.8	1	33.0-155		J3	34.1	29
tert-Butylbenzene	5.00	U	3.18	14.9	63.6	298	1	34.0-153		J3 J5	130	28
Carbon disulfide	5.00	U	4.13	5.55	82.6	111	1	10.0-156		J3	29.3	28
Carbon tetrachloride	5.00	U	3.45	4.48	69.0	89.6	1	23.0-159			26.0	28
Chlorobenzene	5.00	U	3.47	4.35	69.4	87.0	1	33.0-152			22.5	27
Chlorodibromomethane	5.00	U	3.50	4.21	70.0	84.2	1	37.0-149			18.4	27
Chloroethane	5.00	U	4.12	4.79	82.4	95.8	1	10.0-160			15.0	30
Chloroform	5.00	U	3.53	5.23	70.6	105	1	29.0-154		J3	38.8	28
Chloromethane	5.00	U	4.67	4.38	93.4	87.6	1	10.0-160			6.41	29
2-Chlorotoluene	5.00	U	3.10	4.67	62.0	93.4	1	32.0-153		J3	40.4	28
4-Chlorotoluene	5.00	U	3.13	3.77	62.6	75.4	1	32.0-150			18.6	28
1,2-Dibromo-3-Chloropropane	5.00	U	3.20	3.94	64.0	78.8	1	22.0-151			20.7	34
Dibromomethane	5.00	U	3.72	4.90	74.4	98.0	1	30.0-151		J3	27.4	27
1,2-Dichlorobenzene	5.00	U	3.37	4.15	67.4	83.0	1	34.0-149			20.7	28
1,3-Dichlorobenzene	5.00	U	3.33	4.00	66.6	80.0	1	36.0-146			18.3	27
1,4-Dichlorobenzene	5.00	U	3.10	3.53	62.0	70.6	1	35.0-142			13.0	27
Dichlorodifluoromethane	5.00	0.952	4.60	6.41	73.0	109	1	10.0-160		J3	32.9	29
1,1-Dichloroethane	5.00	U	3.92	5.03	78.4	101	1	25.0-158			24.8	27
1,2-Dichloroethane	5.00	U	3.52	4.41	70.4	88.2	1	29.0-151			22.4	27
1,1-Dichloroethene	5.00	U	3.83	4.65	76.6	93.0	1	11.0-160			19.3	29
cis-1,2-Dichloroethene	5.00	U	3.56	4.25	71.2	85.0	1	10.0-160			17.7	27
trans-1,2-Dichloroethene	5.00	U	3.74	4.55	74.8	91.0	1	17.0-153			19.5	27
1,2-Dichloropropane	5.00	U	3.51	4.46	70.2	89.2	1	30.0-156			23.8	27
1,1-Dichloropropene	5.00	U	3.51	4.64	70.2	92.8	1	25.0-158		J3	27.7	27
1,3-Dichloropropane	5.00	U	3.79	4.47	75.8	89.4	1	38.0-147			16.5	27
cis-1,3-Dichloropropene	5.00	U	3.45	4.37	69.0	87.4	1	34.0-149			23.5	28
trans-1,3-Dichloropropene	5.00	U	3.66	4.23	73.2	84.6	1	32.0-149			14.4	28
2,2-Dichloropropane	5.00	U	3.78	4.36	75.6	87.2	1	24.0-152			14.3	29
Di-isopropyl ether	5.00	U	3.50	4.31	70.0	86.2	1	21.0-160			20.7	28
Ethylbenzene	5.00	4.89	3.32	9.18	0.000	85.8	1	30.0-155	J6	J3	93.8	27
Hexachloro-1,3-butadiene	5.00	U	2.68	3.15	53.6	63.0	1	20.0-154			16.1	34
1,2-Dibromoethane	5.00	U	3.69	4.50	73.8	90.0	1	34.0-147			19.8	27
Isopropylbenzene	5.00	4.63	3.19	9.11	0.000	89.6	1	28.0-157	J6	J3	96.3	27
p-Isopropyltoluene	5.00	1.07	2.91	4.61	36.8	70.8	1	30.0-154		J3	45.2	29
2-Butanone (MEK)	25.0	U	18.1	38.4	72.4	154	1	10.0-160		J3	71.9	32
Methylene Chloride	5.00	U	3.99	4.97	79.8	99.4	1	23.0-144			21.9	28
4-Methyl-2-pentanone (MIBK)	25.0	U	17.4	21.9	69.6	87.6	1	29.0-160			22.9	29

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L1215620-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1215620-02 05/08/20 18:27 • (MS) R3526207-4 05/09/20 00:12 • (MSD) R3526207-5 05/09/20 00:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	5.00	U	3.38	4.28	67.6	85.6	1	28.0-150			23.5	29
Naphthalene	5.00	2.81	2.61	6.96	0.000	83.0	1	12.0-156	J6	J3	90.9	35
n-Propylbenzene	5.00	12.6	3.13	16.0	0.000	68.0	1	31.0-154	J6	J3	135	28
Styrene	5.00	U	2.99	3.89	59.8	77.8	1	33.0-155			26.2	28
1,1,1,2-Tetrachloroethane	5.00	U	3.58	4.27	71.6	85.4	1	36.0-151			17.6	29
1,1,2,2-Tetrachloroethane	5.00	U	3.58	4.21	71.6	84.2	1	33.0-150			16.2	28
Tetrachloroethene	5.00	U	5.03	5.21	101	104	1	10.0-160			3.52	27
Toluene	5.00	0.565	3.53	4.81	59.3	84.9	1	26.0-154		J3	30.7	28
1,1,2-Trichlorotrifluoroethane	5.00	U	3.37	4.16	67.4	83.2	1	23.0-160			21.0	30
1,2,3-Trichlorobenzene	5.00	U	2.92	3.76	58.4	75.2	1	17.0-150			25.1	36
1,2,4-Trichlorobenzene	5.00	U	2.98	3.95	59.6	79.0	1	24.0-150			28.0	33
1,1,1-Trichloroethane	5.00	U	3.91	5.13	78.2	103	1	23.0-160			27.0	28
1,1,2-Trichloroethane	5.00	U	3.64	5.20	72.8	104	1	35.0-147		J3	35.3	27
Trichloroethene	5.00	U	3.67	4.31	73.4	86.2	1	10.0-160			16.0	25
Trichlorofluoromethane	5.00	U	3.73	4.64	74.6	92.8	1	17.0-160			21.7	31
1,2,3-Trimethylbenzene	5.00	28.2	3.19	30.9	0.000	54.0	1	32.0-149	V	J3	163	28
1,2,4-Trimethylbenzene	5.00	92.9	3.14	92.5	0.000	0.000	1	26.0-154	V	J3 V	187	27
1,3,5-Trimethylbenzene	5.00	9.43	3.12	12.6	0.000	63.4	1	28.0-153	J6	J3	121	27
Vinyl chloride	5.00	U	4.67	5.33	93.4	107	1	10.0-160			13.2	27
Xylenes, Total	15.0	132	9.95	140	0.000	53.3	1	29.0-154	V	J3	173	28
1,2,3-Trichloropropane	5.00	U	3.69	4.18	73.8	83.6	1	34.0-151			12.5	29
(S) Toluene-d8					91.1	91.6		80.0-120				
(S) 4-Bromofluorobenzene					89.7	92.9		77.0-126				
(S) 1,2-Dichloroethane-d4					91.8	92.3		70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration method criteria.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* 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 National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

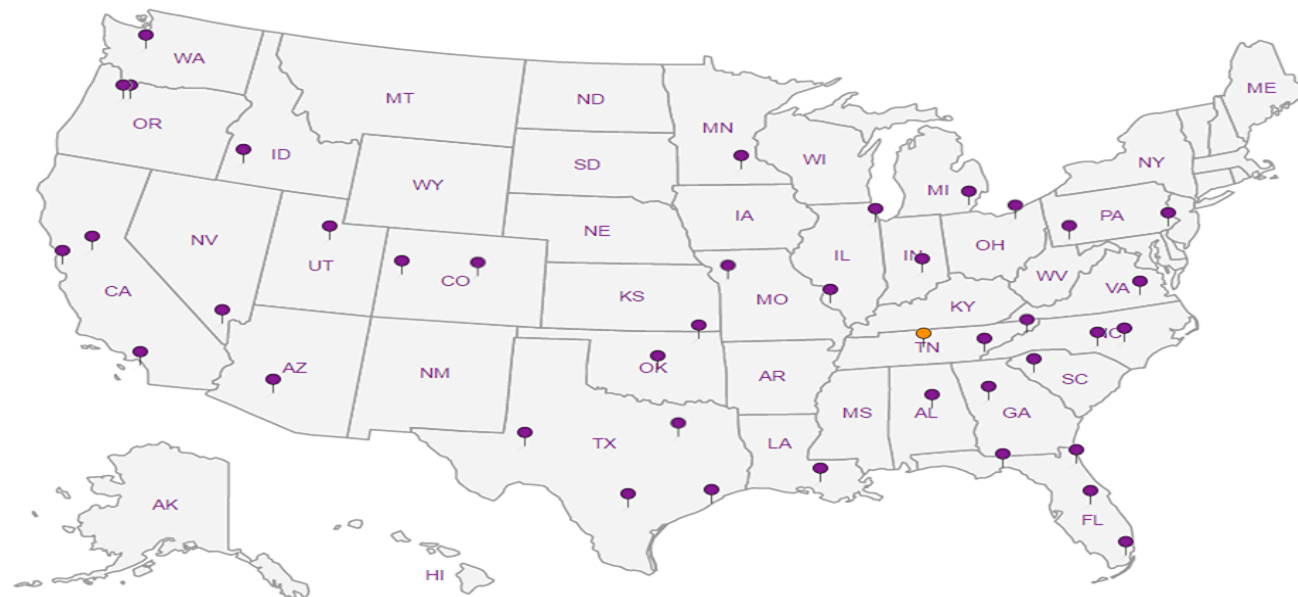
Third Party Federal Accreditations

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



ACCOUNT:

Cascade Corporation- Fairview, OR

PROJECT:

PNG0564S19

SDG:

L1215754

DATE/TIME:

05/13/20 19:49

PAGE:

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Cascade Corporation- Fairview, OR

2201 NE 201st Avenue
Fairview, OR 97024-9718

Billing Information:
Accounts Payable
P.O. Box 20187
Portland, OR 97294-0187

Report to:
Cindy Bartlett

Email To:
CBartlett@Geosyntec.com;bwebb@Geosyntec.c

Project Description:
Cascade TSA

City/State
Collected: Fairview OR.

Please Circle:
PT MT CT ET

Phone: 503-669-6286

Client Project #
PNG0564S19

Lab Project #
CASCORFOR-PNG0564

Collected by (print):
PATYADON MIKE TAYLOR.

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Immediately
Packed on Ice N Y X

Same Day Five Day
Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
Three Day STAN DARE

Date Results Needed

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
TS-C-EFF-050520		GW		5/5/20	8:20	3
TS-C-EFF-050520-DUP		GW		5/5/20	8:21	3
TS-C-INF-050520		GW		5/5/20	835	3
Trip Lot # 440		GW		5/5/20	NA	1
		GW				
		GW				
		GW				
		GW				
		GW				
		GW				

VOCs 8260D LL 40mlAmb-HCI

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # L1215754
D247

Acctnum: CASCORFOR
Template: T166658
Prelogin: P769264
PM: 110 - Brian Ford
PB:

Shipped Via:
Remarks Sample # (lab only)

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

Remarks:

pH Temp
Flow Other

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

Samples returned via:
UPS FedEx Courier

Tracking # 1749 9998 8280

Relinquished by : (Signature)
Relinquished by : (Signature)

Date: 5/5/20
Time: 15:40

Received by: (Signature)
Fed EX

Trip Blank Received: Yes/No
HCL/ MeOH
FBR
Temp: 24.3
Bottles Received: 9

If preservation required by Login: Date/Time

Relinquished by : (Signature)

Date: Time:

Received for lab by: (Signature)

Date: 5-6-20
Time: 0845

Hold: Condition: NCF / OK

Andy Vann

From: Brian Ford
Sent: Monday, May 11, 2020 7:30 PM
To: Project Service; Due VOC; VOC Secondary Review; Brian Ford
Subject: L1215754 *CASCORFOR* log trip blank per COC

Per COC, log V8260LLC (\$0) for the trip blank listed on the COC. Transfer data from L1215750-20.

Thanks,
Brian Ford
Project Manager
Pace Analytical National Center for Testing & Innovation
12065 Lebanon Road | Mt. Juliet, TN 37122
direct 615.773.9772 | cell 615.881.4570
bford@pacenational.com | pacenational.com

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