



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 25, 2021

Jeremy Porter
Aspect Consulting
Dexter Horton Building
710 2nd Avenue, Suite 550
Seattle, WA 98104

Re: Analytical Data for Project 060172
Laboratory Reference No. 2110-168

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on October 20, 2021.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



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This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 25, 2021
Samples Submitted: October 20, 2021
Laboratory Reference: 2110-168
Project: 060172

Case Narrative

Samples were collected on October 20, 2021 and received by the laboratory on October 20, 2021. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH-Gx Analysis

The chromatogram for sample LGAC-INF-1-102021 is not similar to a typical gas.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



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GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	LGAC-INF-1-102021					
Laboratory ID:	10-168-02					
Gasoline	710	500	NWTPH-Gx	10-21-21	10-21-21	T
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	<i>91</i>	<i>66-117</i>				



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 Project: 060172

**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1021W1					
Gasoline	ND	100	NWTPH-Gx	10-21-21	10-21-21	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	91	66-117				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	10-168-02							
	ORIG	DUP						
Gasoline	710	780	NA	NA	NA	NA	9	30
Surrogate:								
Fluorobenzene				91	92	66-117		



Date of Report: October 25, 2021
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 Laboratory Reference: 2110-168
 Project: 060172

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: LGAC-EFF-1-102021						
Laboratory ID: 10-168-01						
Dichlorodifluoromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Chloromethane	ND	50	EPA 8260D	10-21-21	10-21-21	
Vinyl Chloride	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromomethane	ND	120	EPA 8260D	10-21-21	10-21-21	
Chloroethane	ND	50	EPA 8260D	10-21-21	10-21-21	
Trichlorofluoromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
Acetone	2100	250	EPA 8260D	10-21-21	10-21-21	
Iodomethane	ND	110	EPA 8260D	10-21-21	10-21-21	
Carbon Disulfide	ND	10	EPA 8260D	10-21-21	10-21-21	
Methylene Chloride	ND	50	EPA 8260D	10-21-21	10-21-21	
(trans) 1,2-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
Methyl t-Butyl Ether	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Vinyl Acetate	ND	50	EPA 8260D	10-21-21	10-21-21	
2,2-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
(cis) 1,2-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Butanone	ND	250	EPA 8260D	10-21-21	10-21-21	
Bromochloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Chloroform	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,1-Trichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Carbon Tetrachloride	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloropropene	ND	10	EPA 8260D	10-21-21	10-21-21	
Benzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Trichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
Dibromomethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromodichloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
(cis) 1,3-Dichloropropene	ND	10	EPA 8260D	10-21-21	10-21-21	
Methyl Isobutyl Ketone	ND	100	EPA 8260D	10-21-21	10-21-21	
Toluene	ND	50	EPA 8260D	10-21-21	10-21-21	
(trans) 1,3-Dichloropropene	ND	10	EPA 8260D	10-21-21	10-21-21	



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 Project: 060172

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: LGAC-EFF-1-102021						
Laboratory ID: 10-168-01						
1,1,2-Trichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Tetrachloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,3-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Hexanone	ND	100	EPA 8260D	10-21-21	10-21-21	
Dibromochloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromoethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Chlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,1,2-Tetrachloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Ethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
m,p-Xylene	ND	20	EPA 8260D	10-21-21	10-21-21	
o-Xylene	ND	10	EPA 8260D	10-21-21	10-21-21	
Styrene	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromoform	ND	50	EPA 8260D	10-21-21	10-21-21	
Isopropylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,2,2-Tetrachloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2,3-Trichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
n-Propylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Chlorotoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
4-Chlorotoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,3,5-Trimethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
tert-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2,4-Trimethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
sec-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,3-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
p-Isopropyltoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,4-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
n-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromo-3-chloropropane	ND	50	EPA 8260D	10-21-21	10-21-21	
1,2,4-Trichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
Hexachlorobutadiene	ND	50	EPA 8260D	10-21-21	10-21-21	
Naphthalene	ND	50	EPA 8260D	10-21-21	10-21-21	
1,2,3-Trichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Dibromofluoromethane	99	75-127				
Toluene-d8	99	80-127				
4-Bromofluorobenzene	98	78-125				



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VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: LGAC-INF-1-102021						
Laboratory ID: 10-168-02						
Dichlorodifluoromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Chloromethane	ND	50	EPA 8260D	10-21-21	10-21-21	
Vinyl Chloride	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromomethane	ND	120	EPA 8260D	10-21-21	10-21-21	
Chloroethane	ND	50	EPA 8260D	10-21-21	10-21-21	
Trichlorofluoromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
Acetone	3600	250	EPA 8260D	10-21-21	10-21-21	
Iodomethane	ND	110	EPA 8260D	10-21-21	10-21-21	
Carbon Disulfide	ND	10	EPA 8260D	10-21-21	10-21-21	
Methylene Chloride	ND	50	EPA 8260D	10-21-21	10-21-21	
(trans) 1,2-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
Methyl t-Butyl Ether	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Vinyl Acetate	ND	50	EPA 8260D	10-21-21	10-21-21	
2,2-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
(cis) 1,2-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Butanone	400	250	EPA 8260D	10-21-21	10-21-21	
Bromochloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Chloroform	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,1-Trichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Carbon Tetrachloride	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloropropene	ND	10	EPA 8260D	10-21-21	10-21-21	
Benzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Trichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
Dibromomethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromodichloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
(cis) 1,3-Dichloropropene	ND	10	EPA 8260D	10-21-21	10-21-21	
Methyl Isobutyl Ketone	ND	100	EPA 8260D	10-21-21	10-21-21	
Toluene	ND	50	EPA 8260D	10-21-21	10-21-21	
(trans) 1,3-Dichloropropene	ND	10	EPA 8260D	10-21-21	10-21-21	



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VOLATILE ORGANICS EPA 8260D
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		LGAC-INF-1-102021				
Laboratory ID:		10-168-02				
1,1,2-Trichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Tetrachloroethene	12	10	EPA 8260D	10-21-21	10-21-21	
1,3-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Hexanone	ND	100	EPA 8260D	10-21-21	10-21-21	
Dibromochloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromoethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Chlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,1,2-Tetrachloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Ethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
m,p-Xylene	ND	20	EPA 8260D	10-21-21	10-21-21	
o-Xylene	ND	10	EPA 8260D	10-21-21	10-21-21	
Styrene	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromoform	ND	50	EPA 8260D	10-21-21	10-21-21	
Isopropylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,2,2-Tetrachloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2,3-Trichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
n-Propylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Chlorotoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
4-Chlorotoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,3,5-Trimethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
tert-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2,4-Trimethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
sec-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,3-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
p-Isopropyltoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,4-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
n-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromo-3-chloropropane	ND	50	EPA 8260D	10-21-21	10-21-21	
1,2,4-Trichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
Hexachlorobutadiene	ND	50	EPA 8260D	10-21-21	10-21-21	
Naphthalene	130	50	EPA 8260D	10-21-21	10-21-21	
1,2,3-Trichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>78-125</i>				



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 Laboratory Reference: 2110-168
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VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: LGAC-MID-1-102021						
Laboratory ID: 10-168-03						
Dichlorodifluoromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Chloromethane	ND	50	EPA 8260D	10-21-21	10-21-21	
Vinyl Chloride	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromomethane	ND	120	EPA 8260D	10-21-21	10-21-21	
Chloroethane	ND	50	EPA 8260D	10-21-21	10-21-21	
Trichlorofluoromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
Acetone	2900	250	EPA 8260D	10-21-21	10-21-21	
Iodomethane	ND	110	EPA 8260D	10-21-21	10-21-21	
Carbon Disulfide	ND	10	EPA 8260D	10-21-21	10-21-21	
Methylene Chloride	ND	50	EPA 8260D	10-21-21	10-21-21	
(trans) 1,2-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
Methyl t-Butyl Ether	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Vinyl Acetate	ND	50	EPA 8260D	10-21-21	10-21-21	
2,2-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
(cis) 1,2-Dichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Butanone	ND	250	EPA 8260D	10-21-21	10-21-21	
Bromochloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Chloroform	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,1-Trichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Carbon Tetrachloride	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloropropene	ND	10	EPA 8260D	10-21-21	10-21-21	
Benzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Trichloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
Dibromomethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromodichloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
(cis) 1,3-Dichloropropene	ND	10	EPA 8260D	10-21-21	10-21-21	
Methyl Isobutyl Ketone	ND	100	EPA 8260D	10-21-21	10-21-21	
Toluene	ND	50	EPA 8260D	10-21-21	10-21-21	
(trans) 1,3-Dichloropropene	ND	10	EPA 8260D	10-21-21	10-21-21	



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VOLATILE ORGANICS EPA 8260D
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		LGAC-MID-1-102021				
Laboratory ID:		10-168-03				
1,1,2-Trichloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Tetrachloroethene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,3-Dichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Hexanone	ND	100	EPA 8260D	10-21-21	10-21-21	
Dibromochloromethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromoethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Chlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,1,2-Tetrachloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
Ethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
m,p-Xylene	ND	20	EPA 8260D	10-21-21	10-21-21	
o-Xylene	ND	10	EPA 8260D	10-21-21	10-21-21	
Styrene	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromoform	ND	50	EPA 8260D	10-21-21	10-21-21	
Isopropylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
Bromobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,1,2,2-Tetrachloroethane	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2,3-Trichloropropane	ND	10	EPA 8260D	10-21-21	10-21-21	
n-Propylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
2-Chlorotoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
4-Chlorotoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,3,5-Trimethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
tert-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2,4-Trimethylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
sec-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,3-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
p-Isopropyltoluene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,4-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
n-Butylbenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromo-3-chloropropane	ND	50	EPA 8260D	10-21-21	10-21-21	
1,2,4-Trichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
Hexachlorobutadiene	ND	50	EPA 8260D	10-21-21	10-21-21	
Naphthalene	ND	50	EPA 8260D	10-21-21	10-21-21	
1,2,3-Trichlorobenzene	ND	10	EPA 8260D	10-21-21	10-21-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Dibromofluoromethane	101	75-127				
Toluene-d8	98	80-127				
4-Bromofluorobenzene	97	78-125				



Date of Report: October 25, 2021
 Samples Submitted: October 20, 2021
 Laboratory Reference: 2110-168
 Project: 060172

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

page 1 of 2

Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1021W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Chloromethane	ND	1.0	EPA 8260D	10-21-21	10-21-21	
Vinyl Chloride	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Bromomethane	ND	2.3	EPA 8260D	10-21-21	10-21-21	
Chloroethane	ND	1.0	EPA 8260D	10-21-21	10-21-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Acetone	ND	5.0	EPA 8260D	10-21-21	10-21-21	
Iodomethane	ND	2.1	EPA 8260D	10-21-21	10-21-21	
Carbon Disulfide	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Methylene Chloride	ND	1.0	EPA 8260D	10-21-21	10-21-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Vinyl Acetate	ND	1.0	EPA 8260D	10-21-21	10-21-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
2-Butanone	ND	5.0	EPA 8260D	10-21-21	10-21-21	
Bromochloromethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Chloroform	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Benzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Trichloroethene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Dibromomethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Bromodichloromethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	10-21-21	10-21-21	
Toluene	ND	1.0	EPA 8260D	10-21-21	10-21-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	10-21-21	10-21-21	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1021W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Tetrachloroethene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
2-Hexanone	ND	2.0	EPA 8260D	10-21-21	10-21-21	
Dibromochloromethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Chlorobenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Ethylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
m,p-Xylene	ND	0.40	EPA 8260D	10-21-21	10-21-21	
o-Xylene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Styrene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Bromoform	ND	1.0	EPA 8260D	10-21-21	10-21-21	
Isopropylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Bromobenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	10-21-21	10-21-21	
n-Propylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
n-Butylbenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	10-21-21	10-21-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	10-21-21	10-21-21	
Naphthalene	ND	1.0	EPA 8260D	10-21-21	10-21-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	10-21-21	10-21-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	99	75-127				
Toluene-d8	98	80-127				
4-Bromofluorobenzene	98	78-125				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 25, 2021
 Samples Submitted: October 20, 2021
 Laboratory Reference: 2110-168
 Project: 060172

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Water

Units: ug/L

					Source	Percent	Recovery		RPD	
Analyte	Result		Spike Level		Result	Recovery	Limits	RPD	Limit	Flags
MATRIX SPIKES										
Laboratory ID:	10-169-02									
	MS	MSD	MS	MSD		MS	MSD			
1,1-Dichloroethene	9.45	9.42	10.0	10.0	ND	95	94	68-122	0	15
Benzene	9.39	9.29	10.0	10.0	ND	94	93	70-121	1	16
Trichloroethene	9.96	9.69	10.0	10.0	ND	100	97	77-124	3	17
Toluene	9.46	9.17	10.0	10.0	ND	95	92	72-120	3	19
Chlorobenzene	10.0	9.60	10.0	10.0	ND	100	96	78-120	4	16
Surrogate:										
Dibromofluoromethane						100	99	75-127		
Toluene-d8						99	98	80-127		
4-Bromofluorobenzene						99	99	78-125		





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical gas.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





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Chain of Custody

Page 1 of 1

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