



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

November 23, 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. 2111-180

Dear Jeremy:

Enclosed are the analytical results and associated quality control data for samples submitted on November 17, 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 flourish extending to the right.

David Baumeister
Project Manager

Enclosures



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: November 23, 2021
Samples Submitted: November 17, 2021
Laboratory Reference: 2111-180
Project: 060172

Case Narrative

Samples were collected on November 16, 2021 and received by the laboratory on November 17, 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.



Date of Report: November 23, 2021
 Samples Submitted: November 17, 2021
 Laboratory Reference: 2111-180
 Project: 060172

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	LGAC-INF-111621					
Laboratory ID:	11-180-03					
Gasoline	860	100	NWTPH-Gx	11-19-21	11-19-21	O
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	66-117				



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**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:	MB1119W1					
Gasoline	ND	100	NWTPH-Gx	11-19-21	11-19-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	66-117				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	11-180-03							
	ORIG	DUP						
Gasoline	857	771	NA	NA	NA	NA	11	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				91	92	66-117		



Date of Report: November 23, 2021
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VOLATILE ORGANICS EPA 8260D
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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: LGAC-EFF-111621						
Laboratory ID: 11-180-01						
Dichlorodifluoromethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Chloromethane	ND	4.0	EPA 8260D	11-19-21	11-19-21	
Vinyl Chloride	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Bromomethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Chloroethane	ND	4.0	EPA 8260D	11-19-21	11-19-21	
Trichlorofluoromethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Acetone	320	20	EPA 8260D	11-19-21	11-19-21	
Iodomethane	ND	5.2	EPA 8260D	11-19-21	11-19-21	
Carbon Disulfide	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Methylene Chloride	ND	4.0	EPA 8260D	11-19-21	11-19-21	
(trans) 1,2-Dichloroethene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Methyl t-Butyl Ether	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Vinyl Acetate	ND	4.0	EPA 8260D	11-19-21	11-19-21	
2,2-Dichloropropane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
(cis) 1,2-Dichloroethene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
2-Butanone	ND	20	EPA 8260D	11-19-21	11-19-21	
Bromochloromethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Chloroform	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,1,1-Trichloroethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Carbon Tetrachloride	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloropropene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Benzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloroethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Trichloroethene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloropropane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Dibromomethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Bromodichloromethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
(cis) 1,3-Dichloropropene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Methyl Isobutyl Ketone	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Toluene	ND	4.0	EPA 8260D	11-19-21	11-19-21	
(trans) 1,3-Dichloropropene	ND	0.80	EPA 8260D	11-19-21	11-19-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		LGAC-EFF-111621				
Laboratory ID:		11-180-01				
1,1,2-Trichloroethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Tetrachloroethene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,3-Dichloropropane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
2-Hexanone	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Dibromochloromethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromoethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Chlorobenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,1,1,2-Tetrachloroethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Ethylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
m,p-Xylene	ND	1.6	EPA 8260D	11-19-21	11-19-21	
o-Xylene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Styrene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Bromoform	ND	4.0	EPA 8260D	11-19-21	11-19-21	
Isopropylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Bromobenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,1,2,2-Tetrachloroethane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichloropropane	ND	0.80	EPA 8260D	11-19-21	11-19-21	
n-Propylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
2-Chlorotoluene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
4-Chlorotoluene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,3,5-Trimethylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
tert-Butylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trimethylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
sec-Butylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,3-Dichlorobenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
p-Isopropyltoluene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,4-Dichlorobenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,2-Dichlorobenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
n-Butylbenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromo-3-chloropropane	ND	4.0	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trichlorobenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
Hexachlorobutadiene	ND	4.0	EPA 8260D	11-19-21	11-19-21	
Naphthalene	ND	4.0	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichlorobenzene	ND	0.80	EPA 8260D	11-19-21	11-19-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-125</i>				



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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: LGAC-MID-111621						
Laboratory ID: 11-180-02						
Dichlorodifluoromethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Chloromethane	ND	10	EPA 8260D	11-19-21	11-19-21	
Vinyl Chloride	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Bromomethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Chloroethane	ND	10	EPA 8260D	11-19-21	11-19-21	
Trichlorofluoromethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Acetone	520	50	EPA 8260D	11-19-21	11-19-21	
Iodomethane	ND	13	EPA 8260D	11-19-21	11-19-21	
Carbon Disulfide	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Methylene Chloride	ND	10	EPA 8260D	11-19-21	11-19-21	
(trans) 1,2-Dichloroethene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Methyl t-Butyl Ether	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Vinyl Acetate	ND	10	EPA 8260D	11-19-21	11-19-21	
2,2-Dichloropropane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
(cis) 1,2-Dichloroethene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
2-Butanone	98	50	EPA 8260D	11-19-21	11-19-21	
Bromochloromethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Chloroform	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,1,1-Trichloroethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Carbon Tetrachloride	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloropropene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Benzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloroethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Trichloroethene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloropropane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Dibromomethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Bromodichloromethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Methyl Isobutyl Ketone	ND	20	EPA 8260D	11-19-21	11-19-21	
Toluene	ND	10	EPA 8260D	11-19-21	11-19-21	
(trans) 1,3-Dichloropropene	ND	2.0	EPA 8260D	11-19-21	11-19-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: LGAC-MID-111621						
Laboratory ID: 11-180-02						
1,1,2-Trichloroethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Tetrachloroethene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,3-Dichloropropane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
2-Hexanone	ND	20	EPA 8260D	11-19-21	11-19-21	
Dibromochloromethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromoethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Chlorobenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Ethylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
m,p-Xylene	ND	4.0	EPA 8260D	11-19-21	11-19-21	
o-Xylene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Styrene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Bromoform	ND	10	EPA 8260D	11-19-21	11-19-21	
Isopropylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Bromobenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichloropropane	ND	2.0	EPA 8260D	11-19-21	11-19-21	
n-Propylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
2-Chlorotoluene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
4-Chlorotoluene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,3,5-Trimethylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
tert-Butylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trimethylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
sec-Butylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,3-Dichlorobenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
p-Isopropyltoluene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,4-Dichlorobenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dichlorobenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
n-Butylbenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromo-3-chloropropane	ND	10	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Hexachlorobutadiene	ND	10	EPA 8260D	11-19-21	11-19-21	
Naphthalene	ND	10	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichlorobenzene	ND	2.0	EPA 8260D	11-19-21	11-19-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>78-125</i>				



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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: LGAC-INF-111621						
Laboratory ID: 11-180-03						
Dichlorodifluoromethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Chloromethane	ND	40	EPA 8260D	11-19-21	11-19-21	
Vinyl Chloride	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Bromomethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Chloroethane	ND	40	EPA 8260D	11-19-21	11-19-21	
Trichlorofluoromethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Acetone	3100	200	EPA 8260D	11-19-21	11-19-21	
Iodomethane	ND	52	EPA 8260D	11-19-21	11-19-21	
Carbon Disulfide	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Methylene Chloride	ND	40	EPA 8260D	11-19-21	11-19-21	
(trans) 1,2-Dichloroethene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Methyl t-Butyl Ether	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Vinyl Acetate	ND	40	EPA 8260D	11-19-21	11-19-21	
2,2-Dichloropropane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
(cis) 1,2-Dichloroethene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
2-Butanone	390	200	EPA 8260D	11-19-21	11-19-21	
Bromochloromethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Chloroform	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,1,1-Trichloroethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Carbon Tetrachloride	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloropropene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Benzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloroethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Trichloroethene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloropropane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Dibromomethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Bromodichloromethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
(cis) 1,3-Dichloropropene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Methyl Isobutyl Ketone	ND	80	EPA 8260D	11-19-21	11-19-21	
Toluene	ND	40	EPA 8260D	11-19-21	11-19-21	
(trans) 1,3-Dichloropropene	ND	8.0	EPA 8260D	11-19-21	11-19-21	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: LGAC-INF-111621						
Laboratory ID: 11-180-03						
1,1,2-Trichloroethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Tetrachloroethene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,3-Dichloropropane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
2-Hexanone	ND	80	EPA 8260D	11-19-21	11-19-21	
Dibromochloromethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromoethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Chlorobenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,1,1,2-Tetrachloroethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Ethylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
m,p-Xylene	ND	16	EPA 8260D	11-19-21	11-19-21	
o-Xylene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Styrene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Bromoform	ND	40	EPA 8260D	11-19-21	11-19-21	
Isopropylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Bromobenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,1,2,2-Tetrachloroethane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichloropropane	ND	8.0	EPA 8260D	11-19-21	11-19-21	
n-Propylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
2-Chlorotoluene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
4-Chlorotoluene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,3,5-Trimethylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
tert-Butylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trimethylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
sec-Butylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,3-Dichlorobenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
p-Isopropyltoluene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,4-Dichlorobenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dichlorobenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
n-Butylbenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromo-3-chloropropane	ND	40	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trichlorobenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
Hexachlorobutadiene	ND	40	EPA 8260D	11-19-21	11-19-21	
Naphthalene	130	40	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichlorobenzene	ND	8.0	EPA 8260D	11-19-21	11-19-21	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	99	75-127				
<i>Toluene-d8</i>	102	80-127				
<i>4-Bromofluorobenzene</i>	101	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: November 23, 2021
 Samples Submitted: November 17, 2021
 Laboratory Reference: 2111-180
 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:	MB1119W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Chloromethane	ND	1.0	EPA 8260D	11-19-21	11-19-21	
Vinyl Chloride	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Bromomethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Chloroethane	ND	1.0	EPA 8260D	11-19-21	11-19-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Acetone	ND	5.0	EPA 8260D	11-19-21	11-19-21	
Iodomethane	ND	1.3	EPA 8260D	11-19-21	11-19-21	
Carbon Disulfide	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Methylene Chloride	ND	1.0	EPA 8260D	11-19-21	11-19-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Vinyl Acetate	ND	1.0	EPA 8260D	11-19-21	11-19-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
2-Butanone	ND	5.0	EPA 8260D	11-19-21	11-19-21	
Bromochloromethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Chloroform	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Benzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Trichloroethene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Dibromomethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Bromodichloromethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Toluene	ND	1.0	EPA 8260D	11-19-21	11-19-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	11-19-21	11-19-21	



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 Project: 060172

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1119W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Tetrachloroethene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
2-Hexanone	ND	2.0	EPA 8260D	11-19-21	11-19-21	
Dibromochloromethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Chlorobenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Ethylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
m,p-Xylene	ND	0.40	EPA 8260D	11-19-21	11-19-21	
o-Xylene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Styrene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Bromoform	ND	1.0	EPA 8260D	11-19-21	11-19-21	
Isopropylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Bromobenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	11-19-21	11-19-21	
n-Propylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
n-Butylbenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	11-19-21	11-19-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	11-19-21	11-19-21	
Naphthalene	ND	1.0	EPA 8260D	11-19-21	11-19-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	11-19-21	11-19-21	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	95	75-127				
Toluene-d8	98	80-127				
4-Bromofluorobenzene	98	78-125				



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Date of Report: November 23, 2021
 Samples Submitted: November 17, 2021
 Laboratory Reference: 2111-180
 Project: 060172

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Water

Units: ug/L

Analyte	Result		Spike Level		Percent		Recovery		RPD	
					Recovery		Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1119W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	9.45	9.21	10.0	10.0	95	92	78-125	3	19	
Benzene	9.14	9.02	10.0	10.0	91	90	80-119	1	16	
Trichloroethene	9.51	9.40	10.0	10.0	95	94	80-121	1	18	
Toluene	9.16	9.04	10.0	10.0	92	90	80-117	1	18	
Chlorobenzene	9.46	9.46	10.0	10.0	95	95	80-117	0	17	
Surrogate:										
Dibromofluoromethane					95	95	75-127			
Toluene-d8					98	98	80-127			
4-Bromofluorobenzene					102	102	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 _____.
- 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





**Onsite
Environmental Inc.**

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Days ☐ 3 Days

☒ Standard (7 Days)

☐ (other) _____

Laboratory Number:

11-180

Company: Aspect Consulting
Project Number: 060172
Project Name: Spic'N Span
Project Manager: Jeremy Porter
Sampled by: David Beck

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	LSAC- EST -111621	11/16/21	1400	water	4
2	LSAC-MID-111621	↓	1405	↓	↓
3	LSAC-INF-111621	↓	1410	↓	↓

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (☐ Acid / SG Clean-up)	
Volatiles 8260D	X
Halogenated Volatiles 8260D	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270E/SIM (with low-level PAHs)	
PAHs 8270E/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270E/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
% Moisture	

Signature	Company	Date	Time	Comments/Special Instructions
<u>[Signature]</u>	<u>Aspect Consulting</u>	<u>11/17/21</u>	<u>1425</u>	
<u>[Signature]</u>	<u>Aspect Consulting</u>	<u>11/17/21</u>	<u>1425</u>	
<u>[Signature]</u>	<u>Aspect Consulting</u>	<u>11/17/21</u>	<u>3:05</u>	
<u>[Signature]</u>	<u>Aspect Consulting</u>	<u>11/17/21</u>	<u>1505</u>	

Relinquished	
Received	
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Relinquished	
Received	
Relinquished	
Received	
Reviewed/Date	Reviewed/Date

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐