

# Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com  
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

**Client:** Washington State Department of Ecology  
**Address:** 4601 N Monroe St  
Spokane, WA 99205  
**Attn:** Department of Ecology

**Work Order:** YDL0544  
**Project:** VOC/TPH  
**Reported:** 1/18/2024 08:38

## Analytical Results Report

**Sample Location:** Town Pump-12202023-W1  
**Lab/Sample Number:** YDL0544-01      **Collect Date:** 12/20/23 14:50  
**Date Received:** 12/21/23 13:50      **Collected By:** Jennifer Lind  
**Matrix:** Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	1/9/24 14:49	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	1/9/24 14:49	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	

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Sample Location: Town Pump-12202023-W1  
 Lab/Sample Number: YDL0544-01 Collect Date: 12/20/23 14:50  
 Date Received: 12/21/23 13:50 Collected By: Jennifer Lind  
 Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
<b>Volatiles (Continued)</b>							
cis-1,2-dichloroethene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	1/9/24 14:49	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	1/9/24 14:49	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	1/9/24 14:49	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	1/9/24 14:49	BKP	EPA 8260D	
<hr/>							
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>100%</i>		<i>70-130</i>	<i>1/9/24 14:49</i>	<i>BKP</i>	<i>EPA 8260D</i>	
<hr/>							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.5%</i>		<i>70-130</i>	<i>1/9/24 14:49</i>	<i>BKP</i>	<i>EPA 8260D</i>	
<hr/>							
<i>Surrogate: Toluene-d8</i>	<i>98.0%</i>		<i>70-130</i>	<i>1/9/24 14:49</i>	<i>BKP</i>	<i>EPA 8260D</i>	

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Sample Location: TownPump-12202023-S6  
Lab/Sample Number: YDL0544-02 Collect Date: 12/20/23 15:15  
Date Received: 12/21/23 13:50 Collected By: Jennifer Lind  
Matrix: Solid

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
<b>Inorganics</b>							
% Solids	89.3	%	0.100	1/4/24 14:47	KAS	SM 2540 G	
<b>Hydrocarbons</b>							
Diesel	ND	mg/kg dry	25.3	1/16/24 23:19	EMG	NWTPH-Dx	
Lube Oil	ND	mg/kg dry	101	1/16/24 23:19	EMG	NWTPH-Dx	
Mineral Oil	ND	mg/kg dry	25.3	1/16/24 23:19	EMG	NWTPH-Dx	
<i>Surrogate: n-Hexacosane</i>	<i>92.7%</i>		<i>50-150</i>	<i>1/16/24 23:19</i>	<i>EMG</i>	<i>NWTPH-Dx</i>	
<b>Volatiles</b>							
Gasoline	ND	mg/kg dry	8.70	12/31/23 3:38	BKP	EPA 8015D	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.1%</i>		<i>70-130</i>	<i>12/31/23 3:38</i>	<i>BKP</i>	<i>EPA 8015D</i>	

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Sample Location: TownPump-12202023-S5  
Lab/Sample Number: YDL0544-03      Collect Date: 12/20/23 14:30  
Date Received: 12/21/23 13:50      Collected By: Jennifer Lind  
Matrix: Solid

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
<b>Inorganics</b>							
% Solids	84.5	%	0.100	1/4/24 14:47	KAS	SM 2540 G	
<b>Hydrocarbons</b>							
Diesel	ND	mg/kg dry	28.9	1/17/24 0:14	EMG	NWTPH-Dx	
Lube Oil	ND	mg/kg dry	116	1/17/24 0:14	EMG	NWTPH-Dx	
Mineral Oil	ND	mg/kg dry	28.9	1/17/24 0:14	EMG	NWTPH-Dx	
<i>Surrogate: n-Hexacosane</i>	<i>78.9%</i>		<i>50-150</i>	<i>1/17/24 0:14</i>	<i>EMG</i>	<i>NWTPH-Dx</i>	
<b>Volatiles</b>							
Gasoline	ND	mg/kg dry	7.67	12/31/23 4:10	BKP	EPA 8015D	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.7%</i>		<i>70-130</i>	<i>12/31/23 4:10</i>	<i>BKP</i>	<i>EPA 8015D</i>	

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Sample Location: TownPump-12202023-S4  
Lab/Sample Number: YDL0544-04 Collect Date: 12/20/23 13:50  
Date Received: 12/21/23 13:50 Collected By: Jennifer Lind  
Matrix: Solid

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
<b>Inorganics</b>							
% Solids	86.0	%	0.100	1/4/24 14:47	KAS	SM 2540 G	
<b>Hydrocarbons</b>							
Diesel	ND	mg/kg dry	25.6	1/17/24 1:09	EMG	NWTPH-Dx	
Lube Oil	ND	mg/kg dry	103	1/17/24 1:09	EMG	NWTPH-Dx	
Mineral Oil	ND	mg/kg dry	25.6	1/17/24 1:09	EMG	NWTPH-Dx	
<i>Surrogate: n-Hexacosane</i>	<i>90.8%</i>		<i>50-150</i>	<i>1/17/24 1:09</i>	<i>EMG</i>	<i>NWTPH-Dx</i>	
<b>Volatiles</b>							
Gasoline	ND	mg/kg dry	6.79	12/31/23 4:43	BKP	EPA 8015D	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.7%</i>		<i>70-130</i>	<i>12/31/23 4:43</i>	<i>BKP</i>	<i>EPA 8015D</i>	

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Sample Location: TownPump-12202023-S3  
Lab/Sample Number: YDL0544-05 Collect Date: 12/20/23 13:20  
Date Received: 12/21/23 13:50 Collected By: Jennifer Lind  
Matrix: Solid

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
<b>Inorganics</b>							
% Solids	82.1	%	0.100	1/4/24 14:47	KAS	SM 2540 G	
<b>Hydrocarbons</b>							
Diesel	ND	mg/kg dry	28.8	1/17/24 2:04	EMG	NWTPH-Dx	
Lube Oil	ND	mg/kg dry	115	1/17/24 2:04	EMG	NWTPH-Dx	
Mineral Oil	ND	mg/kg dry	28.8	1/17/24 2:04	EMG	NWTPH-Dx	
<i>Surrogate: n-Hexacosane</i>	<i>57.0%</i>		<i>50-150</i>	<i>1/17/24 2:04</i>	<i>EMG</i>	<i>NWTPH-Dx</i>	
<b>Volatiles</b>							
Gasoline	ND	mg/kg dry	8.56	12/31/23 5:15	BKP	EPA 8015D	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.0%</i>		<i>70-130</i>	<i>12/31/23 5:15</i>	<i>BKP</i>	<i>EPA 8015D</i>	

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Sample Location: TownPump-12202023-S1  
Lab/Sample Number: YDL0544-06 Collect Date: 12/20/23 11:33  
Date Received: 12/21/23 13:50 Collected By: Jennifer Lind  
Matrix: Solid

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
<b>Inorganics</b>							
% Solids	79.5	%	0.100	1/4/24 14:47	KAS	SM 2540 G	
<b>Hydrocarbons</b>							
Diesel	ND	mg/kg dry	27.4	1/17/24 2:59	EMG	NWTPH-Dx	
Lube Oil	ND	mg/kg dry	109	1/17/24 2:59	EMG	NWTPH-Dx	
Mineral Oil	ND	mg/kg dry	27.4	1/17/24 2:59	EMG	NWTPH-Dx	
<i>Surrogate: n-Hexacosane</i>	<i>64.1%</i>		<i>50-150</i>	<i>1/17/24 2:59</i>	<i>EMG</i>	<i>NWTPH-Dx</i>	
<b>Volatiles</b>							
Gasoline	ND	mg/kg dry	6.79	12/31/23 5:47	BKP	EPA 8015D	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.1%</i>		<i>70-130</i>	<i>12/31/23 5:47</i>	<i>BKP</i>	<i>EPA 8015D</i>	

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Sample Location: TownPump-12202023-S2  
Lab/Sample Number: YDL0544-07 Collect Date: 12/20/23 12:50  
Date Received: 12/21/23 13:50 Collected By: Jennifer Lind  
Matrix: Solid

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
<b>Inorganics</b>							
% Solids	85.8	%	0.100	1/4/24 14:47	KAS	SM 2540 G	
<b>Hydrocarbons</b>							
Diesel	ND	mg/kg dry	26.5	1/17/24 3:53	EMG	NWTPH-Dx	
Lube Oil	ND	mg/kg dry	106	1/17/24 3:53	EMG	NWTPH-Dx	
Mineral Oil	ND	mg/kg dry	26.5	1/17/24 3:53	EMG	NWTPH-Dx	
<i>Surrogate: n-Hexacosane</i>	<i>54.0%</i>		<i>50-150</i>	<i>1/17/24 3:53</i>	<i>EMG</i>	<i>NWTPH-Dx</i>	
<b>Volatiles</b>							
Gasoline	ND	mg/kg dry	8.64	12/31/23 6:19	BKP	EPA 8015D	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.8%</i>		<i>70-130</i>	<i>12/31/23 6:19</i>	<i>BKP</i>	<i>EPA 8015D</i>	



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Sample Location: Town Pump-12202023-W1 Trip Blank  
Lab/Sample Number: YDL0544-08 Collect Date: 12/20/23 00:01  
Date Received: 12/21/23 13:50 Collected By:  
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.200	1/9/24 15:21	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
2-Chloroethyl vinyl ether	ND	ug/L	2.50	1/9/24 15:21	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	1/9/24 15:21	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Acetone	48.5	ug/L	2.50	1/9/24 15:21	BKP	EPA 8260D	
Acrolein	ND	ug/L	2.50	1/9/24 15:21	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	2.50	1/9/24 15:21	BKP	EPA 8260D	
Benzene	ND	ug/L	0.200	1/9/24 15:21	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.200	1/9/24 15:21	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	2.50	1/9/24 15:21	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.200	1/9/24 15:21	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.200	1/9/24 15:21	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.200	1/9/24 15:21	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	

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Sample Location: Town Pump-12202023-W1 Trip Blank  
 Lab/Sample Number: YDL0544-08 Collect Date: 12/20/23 00:01  
 Date Received: 12/21/23 13:50 Collected By:  
 Matrix: Water

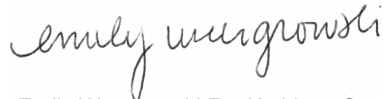
Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
<b>Volatiles (Continued)</b>							
m+p-Xylene	ND	ug/L	1.00	1/9/24 15:21	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	1/9/24 15:21	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	1/9/24 15:21	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Total Xylene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.200	1/9/24 15:21	BKP	EPA 8260D	
trans-1-4-Dichloro-2-butene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Vinyl acetate	ND	ug/L	0.500	1/9/24 15:21	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.200	1/9/24 15:21	BKP	EPA 8260D	
<hr/>							
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	1/9/24 15:21	BKP	EPA 8260D	
<hr/>							
Surrogate: 4-Bromofluorobenzene	98.9%		70-130	1/9/24 15:21	BKP	EPA 8260D	
<hr/>							
Surrogate: Toluene-d8	97.6%		70-130	1/9/24 15:21	BKP	EPA 8260D	

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Authorized Signature,



Emily Wengrowski For Kathleen Sattler, Laboratory Manager

PQL        Practical Quantitation Limit  
ND         Not Detected  
MCL        EPA's Maximum Contaminant Level  
Dry         Sample results reported on a dry weight basis  
\*            Not a state-certified analyte

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The results reported related only to the samples indicated.

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## Quality Control Data

### Hydrocarbons

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch: BEA0028 - W TPH-Dx</b>										
<b>Blank (BEA0028-BLK1)</b>										
Prepared: 1/2/2024 Analyzed: 1/16/2024										
Diesel	ND		25.0	mg/kg wet						
Lube Oil	ND		99.8	mg/kg wet						
Mineral Oil	ND		25.0	mg/kg wet						
Surrogate: n-Hexacosane			40.7	ppm	50.1		81.2	50-150		
<b>LCS (BEA0028-BS1)</b>										
Prepared: 1/2/2024 Analyzed: 1/16/2024										
Diesel	37.2		25.0	mg/kg wet	52.0		71.6	70-130		
Lube Oil	ND		100	mg/kg wet				70-130		
Surrogate: n-Hexacosane			43.4	ppm	50.1		86.7	50-150		
<b>Duplicate (BEA0028-DUP1)</b>										
Source: YDL0544-03 Prepared: 1/2/2024 Analyzed: 1/16/2024										
Diesel	ND		28.5	mg/kg dry		ND				20
Lube Oil	ND		114	mg/kg dry		ND				20
Mineral Oil	ND		28.5	mg/kg dry		ND				20
Surrogate: n-Hexacosane			36.1	ppm	50.1		72.0	50-150		

## Quality Control Data

### Volatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch: BDL1185 - VOC</b>										
<b>Blank (BDL1185-BLK1)</b>										
Prepared: 12/29/2023 Analyzed: 12/31/2023										
Gasoline	ND		5.00	mg/kg wet						
Surrogate: 4-Bromofluorobenzene			0.959	mg/kg wet	1.00		95.9	70-130		
<b>LCS (BDL1185-BS1)</b>										
Prepared: 12/29/2023 Analyzed: 12/31/2023										
Gasoline	55.5		5.00	mg/kg wet	50.0		111	80-120		
Surrogate: 4-Bromofluorobenzene			0.972	mg/kg wet	1.00		97.2	70-130		

### Batch: BEA0459 - VOC

<b>Blank (BEA0459-BLK1)</b>										
Prepared & Analyzed: 1/9/2024										
Dibromochloromethane	ND		0.500	ug/L						
cis-1,3-Dichloropropene	ND		0.500	ug/L						
cis-1,2-Dichloroethylene	ND		0.500	ug/L						
Chloromethane	ND		0.500	ug/L						
Chloroform	ND		0.500	ug/L						
Chloroethane	ND		0.500	ug/L						
Chlorobenzene (Monochlorobenzene)	ND		0.500	ug/L						
Carbon Tetrachloride	ND		0.500	ug/L						
Bromodichloromethane	ND		0.500	ug/L						
Bromomethane	ND		0.500	ug/L						
Bromoform	ND		0.500	ug/L						
Dibromomethane	ND		0.500	ug/L						
Methylene Chloride (Dichloromethane)	ND		2.50	ug/L						
Carbon disulfide	ND		0.500	ug/L						
Dichlorodifluoromethane	ND		0.500	ug/L						
Ethylbenzene	ND		0.500	ug/L						

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## Quality Control Data (Continued)

### Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch: BEA0459 - VOC (Continued)</b>										
<b>Blank (BEA0459-BLK1)</b>					Prepared & Analyzed: 1/9/2024					
Hexachlorobutadiene	ND		0.500	ug/L						
Isopropylbenzene	ND		0.500	ug/L						
m/p Xylenes (MCL for total)	ND		0.500	ug/L						
Bromochloromethane	ND		0.500	ug/L						
Methyl isobutyl ketone (MIBK)	ND		2.50	ug/L						
2,2-Dichloropropane	ND		0.500	ug/L						
methyl-t-butyl ether (MTBE)	ND		0.500	ug/L						
Naphthalene	ND		0.500	ug/L						
n-Butylbenzene	ND		0.500	ug/L						
n-Propylbenzene	ND		0.500	ug/L						
o-Xylene (MCL for total)	ND		0.500	ug/L						
p-isopropyltoluene	ND		0.500	ug/L						
Methyl ethyl ketone (MEK)	ND		2.50	ug/L						
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L						
1,1,1-Trichloroethane	ND		0.500	ug/L						
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L						
1,1,2-Trichloroethane	ND		0.500	ug/L						
1,1-Dichloroethane	ND		0.500	ug/L						
1,1-Dichloroethylene	ND		0.500	ug/L						
1,1-Dichloropropene	ND		0.500	ug/L						
1,2,3-Trichlorobenzene	ND		0.500	ug/L						
1,2,3-Trichloropropane	ND		0.500	ug/L						
1,2,4-Trichlorobenzene	ND		0.500	ug/L						
1,2,4-Trimethylbenzene	ND		0.500	ug/L						
DBCP (screening)	ND		0.500	ug/L						
2-hexanone	ND		2.50	ug/L						
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND		0.500	ug/L						
Bromobenzene	ND		0.500	ug/L						
1,2-Dichloroethane	ND		0.500	ug/L						
1,2-Dichloropropane	ND		0.500	ug/L						
1,3,5-Trimethylbenzene	ND		0.500	ug/L						
m-Dichlorobenzene	ND		0.500	ug/L						
1,3-Dichloropropane	ND		0.500	ug/L						
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND		0.500	ug/L						
tert-Butylbenzene	ND		0.500	ug/L						
o-Chlorotoluene	ND		0.500	ug/L						
p-Chlorotoluene	ND		0.500	ug/L						
Acetone	ND		2.50	ug/L						
Acrylonitrile	ND		0.500	ug/L						
Benzene	ND		0.500	ug/L						
EDB (screening)	ND		0.500	ug/L						
sec-Butylbenzene	ND		0.500	ug/L						
Styrene	ND		0.500	ug/L						
Vinyl Chloride	ND		0.500	ug/L						
Trichlorofluoromethane	ND		0.500	ug/L						
Trichloroethene	ND		0.500	ug/L						
trans-1,3-Dichloropropene	ND		0.500	ug/L						
Toluene	ND		0.500	ug/L						
Tetrachloroethylene	ND		0.500	ug/L						
trans-1,2 Dichloroethylene	ND		0.500	ug/L						

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## Quality Control Data (Continued)

### Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch: BEA0459 - VOC (Continued)</b>										
<b>Blank (BEA0459-BLK1)</b>										
					Prepared & Analyzed: 1/9/2024					
Surrogate: 4-Bromofluorobenzene			19.6	ug/L	20.0		97.8	70-130		
Surrogate: Toluene-d8			19.3	ug/L	20.0		96.5	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			20.0	ug/L	20.0		100	70-130		
<b>LCS (BEA0459-BS1)</b>										
					Prepared & Analyzed: 1/9/2024					
cis-1,2-Dichloroethylene	9.08		0.500	ug/L	10.0		90.8	80-120		
Methyl ethyl ketone (MEK)	9.38		2.50	ug/L	10.0		93.8	55-154		
m/p Xylenes (MCL for total)	20.0		0.500	ug/L	20.0		100	80-120		
Isopropylbenzene	10.1		0.500	ug/L	10.0		101	80-120		
Hexachlorobutadiene	10.0		0.500	ug/L	10.0		100	80-120		
Ethylbenzene	9.69		0.500	ug/L	10.0		96.9	80-120		
Dichlorodifluoromethane	9.20		0.500	ug/L	10.0		92.0	57-130		
Dibromomethane	8.49		0.500	ug/L	10.0		84.9	80-120		
Chloroform	9.36		0.500	ug/L	10.0		93.6	80-120		
cis-1,3-Dichloropropene	8.91		0.500	ug/L	10.0		89.1	79-123		
Methyl isobutyl ketone (MIBK)	7.27		2.50	ug/L	10.0		72.7	70-136		
Chlorobenzene (Monochlorobenzene)	9.16		0.500	ug/L	10.0		91.6	80-120		
o-Xylene (MCL for total)	9.98		0.500	ug/L	10.0		99.8	80-120		
Chloroethane	8.92		0.500	ug/L	10.0		89.2	78-120		
Dibromochloromethane	9.24		0.500	ug/L	10.0		92.4	80-121		
Styrene	10.4		0.500	ug/L	10.0		104	80-120		
Trichlorofluoromethane	9.91		0.500	ug/L	10.0		99.1	61-140		
Trichloroethene	8.92		0.500	ug/L	10.0		89.2	80-120		
trans-1,3-Dichloropropene	9.20		0.500	ug/L	10.0		92.0	69-130		
trans-1,2 Dichloroethylene	9.41		0.500	ug/L	10.0		94.1	80-120		
Toluene	9.29		0.500	ug/L	10.0		92.9	80-120		
n-Butylbenzene	10.5		0.500	ug/L	10.0		105	74-122		
tert-Butylbenzene	10.5		0.500	ug/L	10.0		105	80-120		
methyl-t-butyl ether (MTBE)	8.61		0.500	ug/L	10.0		86.1	71-130		
sec-Butylbenzene	10.5		0.500	ug/L	10.0		105	80-120		
p-isopropyltoluene	10.1		0.500	ug/L	10.0		101	80-120		
Acrylonitrile	8.23		0.500	ug/L	10.0		82.3	73-131		
n-Propylbenzene	10.2		0.500	ug/L	10.0		102	80-120		
Carbon Tetrachloride	9.43		0.500	ug/L	10.0		94.3	80-120		
Naphthalene	7.71		0.500	ug/L	10.0		77.1	66-133		
Tetrachloroethylene	9.25		0.500	ug/L	10.0		92.5	80-120		
1,1-Dichloroethylene	9.44		0.500	ug/L	10.0		94.4	70-129		
EDB (screening)	8.62		0.500	ug/L	10.0		86.2	70-130		
DBCP (screening)	7.13		0.500	ug/L	10.0		71.3	71-128		
1,2,4-Trimethylbenzene	10.6		0.500	ug/L	10.0		106	80-120		
1,2,4-Trichlorobenzene	9.16		0.500	ug/L	10.0		91.6	80-120		
1,2,3-Trichloropropane	8.08		0.500	ug/L	10.0		80.8	80-120		
Bromobenzene	9.04		0.500	ug/L	10.0		90.4	80-120		
1,1-Dichloropropene	9.82		0.500	ug/L	10.0		98.2	80-120		
1,2-Dichloroethane	9.08		0.500	ug/L	10.0		90.8	80-120		
1,1-Dichloroethane	9.42		0.500	ug/L	10.0		94.2	80-120		
1,1,2-Trichloroethane	8.92		0.500	ug/L	10.0		89.2	80-120		
1,1,2,2-Tetrachloroethane	8.13		0.500	ug/L	10.0		81.3	77-123		
1,1,1-Trichloroethane	9.69		0.500	ug/L	10.0		96.9	80-120		
1,1,1,2-Tetrachloroethane	9.37		0.500	ug/L	10.0		93.7	80-120		

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## Quality Control Data (Continued)

### Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch: BEA0459 - VOC (Continued)</b>										
<b>LCS (BEA0459-BS1)</b>										
					Prepared & Analyzed: 1/9/2024					
Vinyl Chloride	9.13		0.500	ug/L	10.0		91.3	75-120		
1,2,3-Trichlorobenzene	8.86		0.500	ug/L	10.0		88.6	78-120		
2,2-Dichloropropane	9.66		0.500	ug/L	10.0		96.6	80-120		
Bromoform	9.39		0.500	ug/L	10.0		93.9	68-133		
Bromodichloromethane	9.55		0.500	ug/L	10.0		95.5	80-120		
Bromochloromethane	9.04		0.500	ug/L	10.0		90.4	80-120		
Benzene	9.26		0.500	ug/L	10.0		92.6	80-120		
p-Chlorotoluene	10.3		0.500	ug/L	10.0		103	80-124		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.10		0.500	ug/L	10.0		91.0	80-120		
o-Chlorotoluene	9.84		0.500	ug/L	10.0		98.4	80-120		
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.23		0.500	ug/L	10.0		92.3	80-120		
1,3-Dichloropropane	9.04		0.500	ug/L	10.0		90.4	80-120		
m-Dichlorobenzene	9.49		0.500	ug/L	10.0		94.9	80-120		
1,3,5-Trimethylbenzene	10.4		0.500	ug/L	10.0		104	80-121		
1,2-Dichloropropane	9.33		0.500	ug/L	10.0		93.3	80-120		
Carbon disulfide	9.59		0.500	ug/L	10.0		95.9	80-120		
2-hexanone	7.75		2.50	ug/L	10.0		77.5	65-140		
<i>Surrogate: Toluene-d8</i>			<i>19.9</i>	<i>ug/L</i>	<i>20.0</i>		<i>99.4</i>	<i>70-130</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>			<i>20.7</i>	<i>ug/L</i>	<i>20.0</i>		<i>104</i>	<i>70-130</i>		
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			<i>20.0</i>	<i>ug/L</i>	<i>20.0</i>		<i>100</i>	<i>70-130</i>		



# Chain of Custody Record

1282 Altura  
504 E Sprague  
3019 Gs Center  
1008 W Ahtah

YDL0544



Due: 01/05/24

Company Name: Department of Ecology - U.G.	Project Manager: Jennifer Lind
Address: 1250 W. Alder St.	Project Name & #: Town Pump - White Salmon
City: Union Gap, WA State: WA Zip: 98903	Purchase Order #:
Phone: (509) 406-0270	Sampler Name & Phone: Jennifer Lind (509) 406-0270
Email Address(es): jeli46@ecy.wa.gov	

Normal  
 Next Day\*  
 2nd Day\*  
 Other\*

Phone \_\_\_\_\_  
 Email \_\_\_\_\_

\*All rush order requests must have prior approval

				List Analyses Requested						Note Special Instructions/Comments	
Lab ID	Sample Identification	Sampling Date/Time	Matrix	Preservative:							
				# of Containers	Sample Volume	VOC	NwTPH <sub>Dx</sub>	NwTPH <sub>Gx</sub>			
	Town Pump-12202023-82	12/20/23-12:50pm	Soil	2	8260		X	X			644mL - HCL - 2300439 X 4
	Town Pump-12202023-81	12/20/23-11:33am	Soil	2			X	X			
	Town Pump-12202023-83	12/20/23-1:20	Soil	2			X	X			
	Town Pump-12202023-84	12/20/23-1:50p	Soil	2			X	X			
	Town Pump-12202023-85	12/20/23-2:30p	Soil	2			X	X			
	Town Pump-12202023-86	12/20/23-3:15	Soil	2			X	X			
	Town Pump-12202023-W1	12/20/23-2:50	Water	3		X					

Inspection Checklist		
Received Intact?	(Y)	N
Labels & Chains Agree?	(Y)	N
Containers Sealed?	(Y)	N
No VOC Head Space?	(Y)	N
Cooler?	(Y)	N
Ice/Ice Packs Present?	(Y)	N

Printed Name	Signature	Company	Date	Time
Relinquished by: Jennifer Lind	<i>Jennifer Lind</i>	Ecology	12/21/23	13:50
Received by: Richard H.	<i>Richard H.</i>	Anatek	12-21-23	13:50
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Temperature (°C): 0.0° obs / -1.0° corr DE Si-16  
 Number of Containers: 12x 6 125mL, 4x 644mL HCL  
 Shipped Via: Hand  
 Preservative: HCL : 2300439  
 Date & Time: 12-21-23 13:50  
 Inspected By: *[Signature]*

Samples submitted to Anatek Labs may be subcontracted to other accredited labs if necessary. This message serves as notice of this possibility. Subcontracted analyses will be clearly noted on the analytical report.