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November 1, 2016
1197-02

Seekins Ford-Lincoln, Inc.
1625 Seekins Ford Drive
Fairbanks, Alaska 99701

Attention: Paul Austin
Parts and Service Director

Re: 2016 Annual Groundwater Monitoring Report, File No. 100.26.131

Dear Mr. Austin:

Travis/Peterson Environmental Consulting, Inc. (TPECI) is pleased to present our letter report summarizing data obtained from the groundwater sampling event conducted on August 23, 2016 at Seekins Ford – Lincoln, Inc. (Figure 1, attached).

On August 23, 2016 monitoring wells MW-1, MW-2, MW-3, MW-6 and MW-7 were sampled. The sample labeled MW-4 is a duplicate of MW-3. The samples were submitted to SGS North America Inc. for analysis by the following methods:

- Gasoline range organics (GRO) by Method AK101
- Diesel range organics (DRO) by Method AK102; and
- Volatile organic compounds (VOCs) by EPA Method 8260B.

Field Measurements
Depth to groundwater and well depths were measured from the top of each well casing prior to sampling (Table 1). All of the wells sampled were flush mount wells so measurements below top of casing are considered to be below ground surface. The analytical results from this sampling event appear in Table 2. The laboratory analytical report and quality assurance checklist are attached.

Table 1. Well Measurement Data

Well	Depth to Water (ft)	Total Depth (ft)	Casing Height(ft)
MW-1	11.60	24.59	flush mount
MW-2	12.05	24.48	flush mount
MW-3	11.01	22.60	flush mount
MW-6	11.69	22.12	flush mount
MW-7	12.06	21.18	flush mount

Table 2. 2016 Analytical Results

Sample	DRO (mg/L)	GRO (mg/L)	VOCs (µg/L)			
MW-1	0.901	**4.90**	benzene:	0.650	1,3,5-trimethylbenzene:	54.6
			toluene:	15.6	chloromethane:	0.59J
			ethylbenzene:	610	4-isopropyltoluene:	1.35
			xylenes (total):	2,250	1,2,4-trimethylbenzene:	362
			isopropylbenzene(cumen	22.7	naphthalene:	15.9
			e): n-propylbenzene:	43.5		
MW-2	0.354J	0.0334J	1,2,4-trimethylbenzene:	0.55J	p&m xylene:	0.76J
			1,2-dichloroethane:	0.25J	tetrachloroethene:	0.47J
			chloromethane:	0.73J		
MW-3	0.412J	0.0325J	tetrachloroethene:	0.76J	1,2-dichlorobenzene:	5.00
			4-isopropyltoluene:	1.93	1,2,4-trimethylbenzene:	1.84
			chloromethane:	0.54J	1,3,5-trimethylbenzene:	0.66J
			o-Xylene:	0.35J	1,4-dichlorobenzene:	0.27J
MW-4 duplicate	0.511J	0.0332J	tetrachloroethene:	1.39	1,2-dichlorobenzene:	8.49
			4-isopropyltoluene:	3.08	1,2,4-trimethylbenzene:	3.01
			chloromethane:	0.95J	1,3,5-trimethylbenzene:	1.08
			o-Xylene:	0.54J	1,4-dichlorobenzene:	0.47J
			p&m-xylene:	0.76J	1,2-dichloroethane:	0.23J
			Xylenes(total):	1.30J	n-propylbenzene:	0.42J
MW-6	ND	ND	trichlorofluoromethane:	3.93	tetrachloroethene:	2.17
			Xylenes(total):	2.17J	chloromethane:	0.960J
MW-7	0.474J	ND	trichlorofluoromethane:	0.750J	chloromethane:	1.44
			1,2-dichlorobenzene:	0.80J		
Cleanup Level[a]	1.5	2.2	trichlorofluoromethane:	11,000	4-chlorotoluene:	n/a
			benzene	5.0	tert-butylbenzene:	370
			toluene:	1,000	sec-butylbenzene:	370
			tetrachloroethene:	5.0	4-isopropyltoluene:	n/a
			ethylbenzene:	700	n-butylbenzene:	370
			xylenes (total):	10,000	1,4-dichlorobenzene:	75
			Isopropylbenzene:	3,700	1,2,4-trimethylbenzene:	1,800
			n-propylbenzene:	370	naphthalene:	730
			1,3,5-trimethylbenzene:	1,800	1, 2- dichloroethane:	5

[a]18 AAC 75 Table C: Groundwater Cleanup Levels. Only detected VOCs are listed in the table. Measurements exceeding DEC Cleanup Levels are indicated in bold type. n/a – cleanup standard not available.

Sampling Discussion

Historic results for all wells sampled are attached for further reference.

Detections in MW-1

The following analytes were detected in MW-1. All analytes were below DEC Cleanup Levels and trending down from the 2015 sampling event:

- DRO;
- GRO;
- 1,24-Trimethylbenzene;
- 1,3,5-Trimethylbenzene;
- 4-Isopropyltoluene;
- Benzene;

- Chloromethane;
- Ethylbenzene;
- Isopropylbenzene;
- Napthalene;
- n-Propylbenzene;
- o-Xylene;
- P&M-Xylene; and
- Toluene.

In the 2015 sampling event, GRO and ethylbenzene were detected above DEC Cleanup Levels. GRO was detected above the Cleanup Levels in the 2016 sampling event, however ethylbenzene was not.

Detections in MW-2

The following analytes were detected in MW-2, all below DEC Cleanup Levels:

- DRO;
- GRO;
- 1,2,4-Trimethylbenzene;
- 1,2-Dichloroethane;
- Chloromethane;
- P&M Xylene; and
- Tetrachlorethene.

The above analytes were J-flagged meaning the results were estimated, however it does appear to be an increase in contamination found in MW-2 from the 2015 sampling event.

Detections in MW-3

The following analytes were detected in MW-3, all below DEC Cleanup Levels:

- DRO;
- GRO;
- 1,2,4-Trimethylbenzene;
- 1,2-Dichlorobenzene;
- 1,3,5-Trimethylbenzene;
- 1,4-Dichlorobenzene;
- 4-Isopropyltoluene;
- Chloromethane;
- o-Xylene; and
- Tetrachloroethene.

The contamination detected in MW-3 is consistent with historical contamination found within the monitoring well. For a complete historical list of contamination see the historical data table attached to this letter.

Detections in MW-6

The following analytes were detected in MW-6, all below DEC Cleanup Levels:

- Chloromethane;
- Tetrachloroethene;
- Trichlorofluoromethane; and
- Xylenes (total).

DRO has not been detected in MW-6 in the past three consecutive sampling events. GRO has not been detected in the past two consecutive sampling events.

Detections in MW-7
The following analytes were detected in MW-7, all below the DEC Cleanup Levels:

- DRO;
- 1,2-Dichlorobenzene;
- Chloromethane; and
- Trichlorofluoromethane.

DEC Laboratory Report Checklist Discussion
Laboratory analyses of the samples were performed by SGS North America Inc. TPECI employee Michaela Hale completed the DEC Laboratory Data Review Checklist for the analytical report; a copy of the completed DEC Laboratory Data Review Checklist is attached to this letter.

SGS North America Inc. Data Review Checklist
The data review checklist revealed a few QC failures with the laboratory data. LCSD recovery for chloromethane was outside of the QC criteria. This will affect the data by detecting the analyte chloromethane biased high. MS/MSD RPD was outside of the QC critera for chloromethane. The analyte was not detected above the LOQ in the associated samples. This QC failure again will affect the data by detecting the analyte chloromethane biased high in the samples. Chloromethane was detected in the trip blank, which could result in our data being biased high for chloromethane.

While comparing the field duplicates, two of the analytes were outside the RPD% recommended by DEC. However, the range was within 15% of the recommended value, so the effect on data quality should be minimal.

Conclusions
No contaminants were detected above DEC groundwater cleanup levels in, MW-2, MW-3, MW-6, and MW-7. The following wells have also experienced three consecutive annual sampling events with no detected analytes above ADEC groundwater cleanup levels MW-2, MW-3, MW-6 and MW-7.

The sampling of MW-1 in 2016 detected GRO as the only contaminant above DEC groundwater cleanup levels. In the previous sampling events multiple contaminants were present above applicable DEC groundwater cleanup levels. The levels detected in 2016 appear consistent with historic results, indicating stabilization in the contaminant concentrations.

A review of the data, using the DEC laboratory data review checklists identified minor problems in the laboratory reports. It was determined that none of these problems adversely affected the data obtained.

Based on the analytical results, TPECI recommends the continuation of groundwater monitoring on the subject property, at a reduced rate of one sampling event every three years for MW-2, MW-3, MW-6 and MW-7. TPECI recommends the annual groundwater monitoring of MW-1 until which time there is three consecutive years of analytical sampling below DEC Cleanup levels.

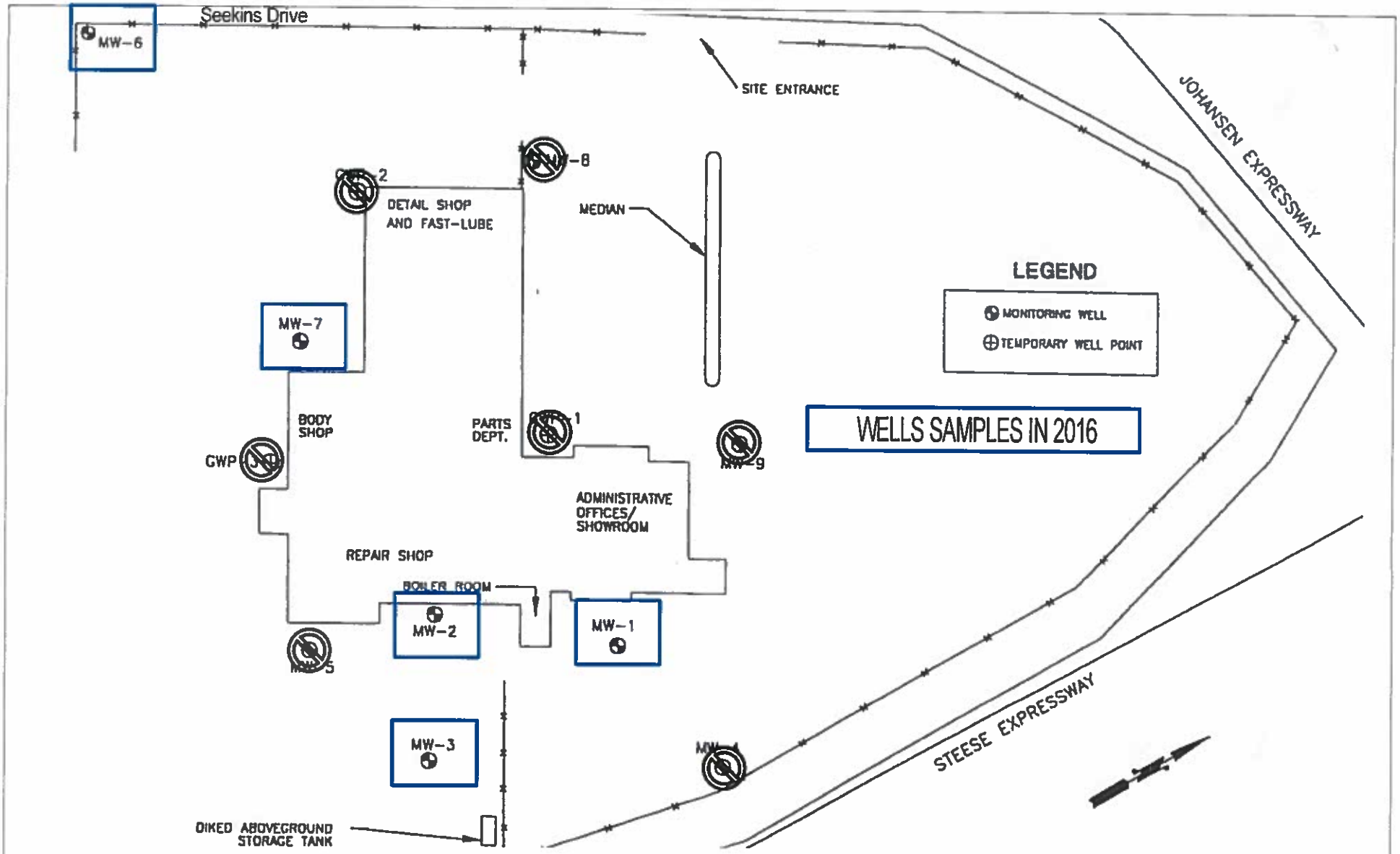
If you have any questions regarding this report please contact me at (907) 455-7225.

Sincerely,

Michaela Hale
Environmental Scientist

cc: Mr. Jim Fish, State of Alaska, Department of Environmental Conservation.

Attachments: Figure 1
Historical Groundwater Data Table
Laboratory Data Reports and DEC Laboratory Data Review Checklist
Field Notes



TRAVIS/PETERSON ENVIRONMENTAL CONSULTING, INC. 329 2ND STREET FAIRBANKS, ALASKA 99701		SEEKINS FORD-LINCOLN-MERCURY	FIGURE 1 SITE PLAN
PROJECT No: 1197-02	FILE: S:\Projects\1197\02\2015\Figure 1-Site Plan.SKF	DATE: 09/26/2016	SCALE: AS SHOWN

Well Number	Date	Depth to Water (Feet)	GRO (µg/L)	DRO (µg/L)	Acetone (µg/L)	Benzene (µg/L)	MEK (µg/L)	n-Butylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	Carbon Tetrachloride (µg/L)	Carbon disulfide (µg/L)	4-chlorotoluene (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	1,2-DCB (µg/L)
ADEC MCL (ug/L)			2,200	1,500	3,650	5.0	#####	370	370	N/A	5.0	3,650	N/A	100	**	600
MW-1	7/21/1995	14.2	180	5.4	--	12,000	--	--	--	ND	--	ND		--	--	--
	5/1/1996	15.7	240	6.2	ND	7,500	ND	ND	ND	ND	ND	ND		ND	ND	ND
	8/7/1996	15.28	250	11	--	8,500	--	--	--	ND	--	ND		--	--	--
	11/21/1996	15.57	330	9.6	--	11,000	--	--	--	ND	--	ND		--	--	--
	5/25/2005	14.64	1,120	0.363	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	7/17/2006	14.62	9,810	0.843	ND	ND	ND	ND	245	ND	ND	ND		ND	ND	ND
	9/13/2007	14.74	47,600	3,620	--	25.6	ND	10.1	9.71	ND	ND	ND		ND	ND	ND
	9/16/2008	12.65	15,500	1,680	ND	6.3	84.4	ND	ND	ND	ND	ND		ND	ND	ND
	11/8/2010	--	--	--	--	--	--	--	--	--	--	--		--	--	--
	2011	--	--	--	--	--	--	--	--	--	--	--		--	--	--
	9/4/2012	14.93	75,300	670	20.5	4.7	ND	15.3	7.5	--	ND	--		ND	ND	ND
	8/14/2013	9.8	59,200	582	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Duplicate	8/14/2013	9.8	57,900	594	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	8/27/2014	10.82	25,900	362	ND	1.65	ND	ND	8.04	ND	ND	ND	ND	ND	ND	ND
Duplicate	8/27/2014	10.82	24,700	355	ND	1.74	ND	ND	8.03	1.1	ND	ND	22.6	ND	ND	ND
	9/28/2015	13.64	25,300	260	ND	1.45	ND	13.4	6.89	ND	ND	ND	ND	ND	ND	ND
Duplicate	9/28/2015	13.64	24,700	258	ND	1.40	ND	13.2	6.86	ND	ND	ND	ND	ND	ND	ND
	8/23/2016	11.61	4,900	901	ND	0.65	ND	ND	ND	ND	ND	ND	ND	ND	0.590J	ND
MW-2	7/21/1995	14.64	0.15	0.35	ND	ND	ND	--	--	ND	8.2	ND		ND	ND	ND
	5/1/1996	16.13	0.26	0.74	ND	2	ND	ND	ND	ND	ND	ND		ND	ND	ND
	8/7/1996	15.72	0.16	3.4	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	11/21/1996	16.02	0.105	2.1	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	5/25/2005	15.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	7/17/2006	Well was obstructed.														
	9/13/2007	15.18	ND	950	--	ND	ND	ND	ND	ND	ND	ND		ND	9.5	ND
	9/16/2008	--	--	--	--	--	--	--	--	--	--	--		--	--	--
	11/8/2010	16.49	ND	232	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	9/5/2012	15.38	0.0566J	0.144	ND	ND	ND	ND	ND	--	ND	--		ND	ND	ND
Duplicate	9/5/2012	15.38	0.0374J	0.127J	ND	ND	ND	ND	ND	--	ND	--		ND	ND	ND
	8/14/2013	14.8	ND	0.217	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	8/27/2014	11.29	19.2J	30.7J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/28/2015	14.06	31.2J	24.0J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/23/2016	12.06	33.4J	354J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.730J	ND
MW-3	7/21/1995	13.7	2.8	13	ND	8	ND	--	--	ND	ND	ND		ND	ND	90
	5/1/1996	15.18	0.99	5.4	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	86
	8/7/1996	14.78	0.27	3.6	25	ND	ND	ND	ND	ND	ND	ND		ND	1.6	39
	11/21/1996	14.29	0.16	5.4	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	36.6
	5/25/2005	14.12	117	1.05	16.4	ND	ND	1.18	1.04	1.09	ND	ND		ND	ND	31.8
	7/17/2006	14.13	ND	0.583	ND	ND	ND	ND	ND	ND	ND	1.72		ND	ND	5.1
	9/13/2007	14.22	ND	995	--	ND	ND	ND	ND	ND	ND	ND		ND	ND	13.4
Duplicate	9/13/2007	N/A	ND	1,760	--	ND	ND	ND	ND	ND	ND	ND		ND	2.32	12.2
	9/16/2008	--	--	--	--	--	--	--	--	--	--	--		--	--	--
	11/8/2010	15.49	13.9J	227J	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	8.9
	9/5/2012	14.35	0.0408J	0.172	ND	ND	ND	ND	ND	--	ND	--		ND	ND	4.8
	8/14/2013	13.1	0.0657J	0.219	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	8.0
	8/27/2014	10.24	34.4J	118J	ND	ND	ND	1.32	ND	ND	ND	ND	ND	ND	ND	7.9
	9/28/2015	13.05	21.5J	120J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.31
	8/23/2016	11.01	32.5J	412J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.540J	5.00
Duplicate	8/23/2016	11.01	33.2J	511J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.950J	8.49
MW-4	7/21/1995	12.93	ND	ND	ND	ND	ND	--	--	ND	ND	ND		5.5	ND	ND
	5/1/1996	14.43	ND	0.24	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	8/7/1996	14.02	ND	0.23	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	11/21/1996	14.29	ND	0.24	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	5/25/2005	13.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	7/18/2006	13.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.33		ND	ND	ND
	9/13/2007	13.5	ND	ND	--	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
MW-5	5/1/1996	15.68	0.17	1.1	ND	2.49	ND	ND	2.68	ND	ND	ND		ND	ND	2.71
	8/7/1996	15.27	ND	0.99	20	1.24	ND	ND	ND	ND	ND	ND		ND	ND	3.3
	11/21/1996	15.61	ND	1	ND	1.05	ND	ND	ND	ND	ND	ND		ND	ND	1.45
	Well Decomissioned 10/28/2005															
MW-6	5/1/1996	15.78	0.12	0.94	27.2	ND	ND	11	4.73	ND	ND	ND		1.01	ND	ND
	8/7/1996	15.35	ND	0.56	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	11/21/1996	15.61	ND	0.59	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	5/25/2005	14.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	7/14/2005	13.39	--	--	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	7/17/2006	14.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	9/13/2007	14.8	ND	348	--	ND	ND	ND	ND	ND	ND	ND		ND	3.85	ND
	9/16/2008	12.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Duplicate	9/16/2008	12.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	11/8/2010	16.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	9/4/2012	15.00	0.347J	0.0180J	ND	ND	ND	ND	ND	--	ND	--		ND	ND	ND
	8/14/2013	13.30	ND	0.0836J	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	8/27/2014	10.95	10.8J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/28/2015	13.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/23/2016	11.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.960J	ND
MW-7	5/1/1996	16.29	0.26	0.47	ND	ND	ND	2.42	1.33	ND	ND	ND		ND	ND	ND
	8/7/1996	15.86	ND	0.3	287	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	11/21/1996	16.14	ND	0.2	451	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	5/25/2005	15.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	7/17/2006	Well was frozen at 6 ft bgs.														
	9/13/2007	15.35	ND	326	--	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	9/16/2008	--	--	--	--	--	--	--	--	--	--	--		--	--	--
	11/8/2010	16.67	ND	3.9J	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Duplicate	11/8/2010	16.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	9/5/2012	15.59	0.026J	ND	ND	ND	ND	ND	ND	--	ND	--		ND	ND	ND
	8/14/2013	13.3	ND	0.0529	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	8/27/2014	11.26	20.1J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/28/2015	14.05	ND	24.5J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/23/2016	12.08	ND	474J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.750J	0.800J
MW-8	5/1/1996	16.49	0.35	0.69	38.2	8.39	18	5.06	2.84	ND	ND	ND		ND	ND	ND
	8/7/1996	16.04	ND	0.38	ND	1.36	ND	ND	ND	ND	ND	ND		ND	ND	ND
	11/21/1996	16.33	ND	0.15	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	5/25/2005	15.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	Well Decomissioned 10/28/2005															
MW-9	5/1/1996	15.95	0.06	0.84	ND	ND	ND	3.72	1.67	ND	ND	ND		ND	ND	ND
	8/7/1996	15.53	ND	0.64	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	11/21/1996	15.64	ND	0.68	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	5/25/2005	15.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
	Well Decomissioned 10/28/2005															

HISTORIC GROUNDWATER ANALYTICAL DATA FOR SEEKINS FORD-LINCOLN-MERCURY MONITORING WELLS

Well Number	Date	Depth to Water (Feet)	GRO (µg/L)	DRO (µg/L)	Acetone (µg/L)	Benzene (µg/L)	MEK (µg/L)	n-Butylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	Carbon Tetrachloride (µg/L)	Carbon disulfide (µg/L)	4-chlorotoluene (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	1,2-DCB (µg/L)	1,4-DCB (µg/L)	1,1-DCE (µg/L)	1,2-DCE (µg/L)	1,2-Dichloropropane (µg/L)	Dichlorodifluoromethane (µg/L)	Ethylbenzene (µg/L)	Isopropyl Benzene (µg/L)	Methyl-t-butyl-ether (µg/L)	4-Isopropyltoluene (µg/L)	p-Isopropyltoluene (µg/L)	Naphthalene (µg/L)	n-Propylbenzene (µg/L)	Styrene (µg/L)	PCE (µg/L)	Toluene (µg/L)	1,2,3-TCB (µg/L)	Total BTEX (µg/L)	1,2,4-TCB (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichlorofluoromethane (µg/L)	TCE (µg/L)	1,2,3-Trichloropropane (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	Total Xylenes (µg/L)	Fluorene (µg/L)	Phenanthrene (µg/L)	Fluoranthene (µg/L)	Pyrene (µg/L)	Acenaphthylene (µg/L)
GWP-1	7/21/1995	14.62	4	0.19	--	1,500	--	--	--	ND	--	ND		--	--	--	--	--	--		--	ND	--	ND	--	--	--	--		ND		1,722	ND	--	--	--	--	--	--	ND	--	--	--	--	--
	5/1/1996	16.11	0.34	0.48	ND	117	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		3.63	ND	ND	ND	--	--	--	--		ND		134.3	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	8/7/1996	15.69	0.84	0.72	--	230	--	--	--	ND	--	ND		--	--	--	--	--	--		--	ND	--	ND	--	--	--	--		ND		240.3	ND	--	--	--	--	--	--	ND	--	--	--	--	--
	11/21/1996	15.97	0.499	0.29	--	160	--	--	--	ND	--	ND		--	--	--	--	--	--		--	ND	--	ND	--	--	--	--		ND		185.62	ND	--	--	--	--	--	--	ND	--	--	--	--	--
	5/25/2005	15.03	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND		ND	ND	2.03	5.65	ND	--	ND	ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Well Decommissioned 10/28/2005																																														
GWP-2	7/21/1995	15.02	ND	ND	--	ND	--	--	--	ND	--	ND		--	--	--	--	--	--		--	ND	--	ND	--	--	--	--		ND		ND	ND	--	--	--	--	--	--	ND	--	--	--	--	--
	5/1/1996	16.54	ND	0.35	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		3.87	ND	ND	ND	ND	--	--	--		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	8/7/1996	16.1	ND	0.18	--	ND	--	--	--	ND	--	ND		--	--	--	--	--	--		--	ND	--	ND	--	--	--	--		ND		ND	ND	--	--	--	--	--	--	ND	--	--	--	--	--
	11/21/1996	16.4	ND	0.11	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	--	--	--		ND		ND	ND	ND	ND	44.3	ND	ND	ND	ND	--	--	--	--	--
	5/25/2005	15.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	--	ND	ND		ND		ND	ND	ND	ND	9.99	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/18/2008	13.53	53	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		--	1.82	ND	ND	ND	--	ND	ND		ND		ND	ND	ND	ND	5.14	ND	ND	ND	ND	9.54	--	--	--	--
GWP-3	7/21/1995	14.18	ND	ND	--	ND	--	--	--	ND	--	ND		--	--	--	--	--	--		--	ND	--	ND	--	--	--	--		ND		NT	ND	--	--	--	--	--	--	ND	--	--	--	--	--
	5/1/1996	15.71	ND	0.17	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		4.91	ND	ND	ND	ND	--	ND	ND		ND		ND	ND	ND	ND	2.22	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/7/1996	15.31	ND	0.29	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	--	ND	ND		ND		ND	ND	0.7	1.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/1996	15.58	ND	0.17	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	--	ND	ND		ND		ND	ND	0.69	2.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/25/2005	15.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	--	ND	ND		ND		ND	ND	ND	1.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/17/2006	14.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	--	ND	ND		ND		ND	ND	ND	1.45	ND	ND	5.83	1.12	43.3	--	--	--	--	--
	9/13/2007	14.8	ND	491	--	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		--	6.15	ND	ND	ND	--	5.89	ND		ND		22.7	72.15	ND	ND	1.45	ND	ND	5.83	1.12	43.3	--	--	--	--	--
DUP-1	5/1/1996	N/A	220	5.6	ND	10,000	ND	--	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	--	--	410		ND	ND		124,600	ND	ND	ND	ND	ND	3,100	780	ND	--	--	--	--	--
	8/7/1996	N/A	250	9.4	ND	9,700	ND	--	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		630	ND	ND	ND	ND	--	--	ND		ND	ND		110,000	ND	ND	ND	ND	ND	2,300	710	ND	--	--	--	--	--
	11/21/1996	N/A	0.231	4.8	--	ND	--	--	--	ND	--	ND		--	--	--	--	--	--		--	ND	--	ND	--	--	--	ND		ND	ND		49.85	ND	--	--	--	--	--	--	ND	--	--	--	--	--
	5/25/2005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	--	ND	ND		ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/5/2005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	--	ND	ND		ND	ND		ND	ND	ND	1.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/17/2006	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	--	ND	ND		6.49	ND		ND	ND	ND	4.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES

GRO	gasoline range organics
DRO	diesel range organics
MEK	2-butanone
µg/L	microgram per liter
DCB	dichlorobenzene
DCE	dichloroethene
DCA	dichloroethane
PCE	tetrachloroethene
TCB	trichlorobenzene
TCE	trichloroethene
TMB	trimethylbenzene
MCL	maximum contaminant level
Bold	analyte detected above MCL
ND	analyte not detected at respective reporting limit
--	analysis not performed
*	Indicates the EPA established MCL goal for this compound. Found at: http://www.epa.gov/safewater/contaminants/index.html#organic
**	No established MCL could be identified for this compound. TPECI personnel have consulted with ADEC personnel on 9/12/08 but to date have not received a response on whether an MCL exists for this compound.
	2016 Results

Laboratory Data Review Checklist

Completed by:	Michaela Hale		
Title:	Environmental Scientist	Date:	09/26/2016
CS Report Name:	Seekins Ford 1197-02	Report Date:	09/13/2016
Consultant Firm:	Travis/Peterson Environmental Consulting, Inc.		
Laboratory Name:	SGS North America Inc.	Laboratory Report Number:	1168461
ADEC File Number:	100.26.131	ADEC RecKey Number:	

1. Laboratory

a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?

(•) Yes ( ) No ( ) NA (Please explain.) Comments:

b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?

( ) Yes ( ) No (•) NA (Please explain) Comments:

Not Transferred.

2. Chain of Custody (COC)

a. COC information completed, signed, and dated (including released/received by)?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

b. Correct analyses requested?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

3. Laboratory Sample Receipt Documentation

a. Sample/cooler temperature documented and within range at receipt (4° ± 2° C)?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

b. Sample preservation acceptable - acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

c. Sample condition documented - broken, leaking (Methanol), zero headspace (VOC vials)?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

d. If there were any discrepancies, were they documented? - For example, incorrect sample containers/ preservation, sample temperature outside of acceptance range, insufficient or missing samples, etc.?

( ) Yes (•) No ( ) NA (Please explain) Comments:

No discrepancies.

e. Data quality or usability affected? (Please explain)

Comments:

None.

4. Case Narrative

a. Present and understandable?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

b. Discrepancies, errors or QC failures identified by the lab?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

LCSD for HBN MS/MSD does not meet QC Criteria for chloromethane. The analyte was detected above the LOQ. LCSD recovery for chloromethane was outside of QC criteria at 141%.

c. Were all corrective actions documented?

( ) Yes ( ) No (•) NA (Please explain) Comments:

No corrective actions.

d. What is the effect on data quality/usability according to the case narrative?

Comments:

The analyte chloromethane will be biased high in the samples.

5. Samples Results

a. Correct analyses performed/reported as requested on COC?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

b. All applicable holding times met?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

c. All soils reported on a dry weight basis?

( ) Yes ( ) No (•) NA (Please explain) Comments:

No soil samples.

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

e. Data quality or usability affected? (Please explain)

Comments:

None.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

ii. All method blank results less than PQL?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

iii. If above PQL, what samples are affected? Comments:

None

iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

v. Data quality or usability affected? (Please explain) Comments:

None.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics - One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

(•) Yes ( ) No ( ) NA (Please explain) Comments:

ii. Metals/Inorganics - One LCS and one sample duplicate reported per matrix, analysis and 20 samples?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

iii. Accuracy - All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

(•) Yes ( ) No ( ) NA (Please explain) Comments:

iv. Precision - All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/DMSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

( ) Yes (•) No ( ) NA (Please explain) Comments:

The analyte chloromethane was at 141%.

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

The analyte chloromethane will be biased high in the samples.

vi. Do the affected samples(s) have data flags? If so, are the data flags clearly defined?

○ Yes ◉ No ○ NA (Please explain) Comments:

vii. Data quality or usability affected? (Please explain) Comments:

The analyte chloromethane is biased high in the samples.

c. Surrogates - Organics Only

i. Are surrogate recoveries reported for organic analyses - field, QC and laboratory samples?

◉ Yes ○ No ○ NA (Please explain) Comments:

ii. Accuracy - All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

◉ Yes ○ No ○ NA (Please explain) Comments:

iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

○ Yes ○ No ◉ NA (Please explain) Comments:

no failed surrogates

iv. Data quality or usability affected? (Use the comment box to explain.). Comments:

None.

d. Trip Blank - Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

◉ Yes ○ No ○ NA (Please explain.) Comments:

Chloromethane was found in the trip blank

ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

○ Yes ◉ No ○ NA (Please explain.) Comments:

One cooler for all samples.

iii. All results less than PQL?

(•) Yes ( ) No ( ) NA (Please explain.) Comments:

iv. If above PQL, what samples are affected?

Comments:

None

v. Data quality or usability affected? (Please explain.)

Comments:

chloromethane being identified in the trip blank also identifies that the anaylte is biased high in all samples.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

ii. Submitted blind to lab?

(•) Yes ( ) No ( ) NA (Please explain.) Comments:

iii. Precision - All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$RPD\ (\%) = \text{Absolute Value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

( ) Yes (•) No ( ) NA (Please explain) Comments:

See Attached

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

( ) Yes (•) No ( ) NA (Please explain) Comments:

The precision is just outside the recommended 30% the affect on data quality is minimal.

f. Decontamination or Equipment Blank (if applicable)

○ Yes ◉ No ○ NA (Please explain) Comments:

No equipment blank

i. All results less than PQL?

○ Yes ○ No ◉ NA (Please explain) Comments:

No equipment blank

ii. If above PQL, what samples are affected?

Comments:

None

iii. Data quality or usability affected? (Please explain.)

Comments:

None

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

○ Yes ○ No ◉ NA (Please explain) Comments:

None

Reset Form

Field Duplicate Precision

Analyte	Sample MW-3		Sample MW-4		RPD
	Results	Units	Results	Units	
Diesel Range Organics	0.412	mg/L	0.511	mg/L	21.45178765
Casoline Range Organics	0.0325	mg/L	0.0332	mg/L	2.130898021
1,2,4-Trimethylbenzene	1.84	ug/L	3.01	ug/L	**48.24742268**
1,2-Dichlorobenzene	5	ug/L	8.49	ug/L	**51.74203113**
1,3,5-Trimethylbenzene	0.66	ug/L	1.08	ug/L	12.06896552
1,4-Dichlorobenzene	0.27	ug/L	0.47	ug/L	13.51351351
4-Isopropyltoluene	1.93	ug/L	3.08	ug/L	11.47704591
Chloromethane	0.54	ug/L	0.95	ug/L	13.75838926
o-Xylene	0.35	ug/L	0.54	ug/L	10.6741573
Tetrachloroethene	0.76	ug/L	1.39	ug/L	14.65116279

BOLD= Outside of the recommended precision

SGS

Laboratory Report of Analysis

To: Travis/Peterson (TPECI)
329 2nd Street
Fairbanks, AK 99701
(907)455-7225

Report Number: **1168461**

Client Project: **Seekins Ford 1197-02**

Dear Eddie Packee,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of ten years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of fourteen (14) days from the date of this report unless other archiving requirements were included in the quote.

If there are any questions about the report or services performed during this project, please call Jennifer at (907) 562-2343. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Stephen C. Ede
Alaska Division Technical Director

Stephen Ede
2016.09.13
16:03:56 -08'00'

Jennifer Dawkins
Project Manager

Date

Print Date 09/13/2016 3 22 05PM

Case Narrative

SGS Client: **Travis/Peterson (TPECI)**
SGS Project: **1168461**
Project Name/Site: **Seekins Ford 1197-02**
Project Contact: **Eddie Packee**

Refer to sample receipt form for information on sample condition.

LCSD for HBN 1742201 [VXX/2942 (1347926) LCSD

8260B - LCSD recovery for chloromethane (141%) was outside of QC criteria. This analyte was not detected above the LOQ in the associated samples.
8260B - MS/MSD LCSD RPD was outside of QC criteria for chloromethane. This analyte was not detected above the LOQ in the associated samples.

LCSD for HBN 1742355 [VXX/2945 (1348651) LCSD

8260B - MS/MSD RPD does not meet QC criteria for chloromethane does not meet QC criteria. This analyte was not detected above the LOQ in the associated samples.

*QC comments may be associated with the field samples found in this report. When applicable, comments will be applied to associated field samples.

SGS North America Inc.
200 West Potter Drive, Anchorage, AK 99518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Report of Manual Integrations

Laboratory ID	Client Sample ID	Analytical Batch	Analyte	Reason
SW8260B				
1168461001	MW-1	VMS16107	4-Isopropyltoluene	SP
1168461006	MW-7	VMS16121	Chloromethane	SP

Manual Integration Reason Code Descriptions

Code	Description
O	Original Chromatogram
M	Modified Chromatogram
SS	Skimmed surrogate
BLG	Closed baseline gap
RP	Reassign peak name
PIR	Pattern integration required
IT	Included tail
SP	Split peak
RSP	Removed split peak
FPS	Forced peak start/stop
BLC	Baseline correction
PNF	Peak not found by software

All DRO/RRO analysis are integrated per SOP.

Laboratory Qualifiers

Enclosed are the analytical results associated with the above work order. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indenmification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the context or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS maintains a formal Quality Assurance/Quality Control (QA/QC) program. A copy of our Quality Assurance Plan (QAP), which outlines this program, is available at your request. The laboratory certification numbers are AK00971 (DW Chemistry & Microbiology) & UST-005 (CS) for ADEC and 2944.01 for DOD ELAP/ISO17025 (RCRA methods: 1020B, 1311, 3010A, 3050B, 3520C, 3550C, 5030B, 5035A, 6020A, 7470A, 7471B, 8021B, 8082A, 8260B, 8270D, 8270D-SIM, 9040C, 9045D, 9056A, 9060A, AK101 and AK102/103). Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP and, when applicable, other regulatory authorities.

The following descriptors or qualifiers may be found in your report:

*	The analyte has exceeded allowable regulatory or control limits.
!	Surrogate out of control limits.
B	Indicates the analyte is found in a blank associated with the sample.
CCV/CVA/CVB	Continuing Calibration Verification
CCCV/CVC/CVCA/CVCB	Closing Continuing Calibration Verification
CL	Control Limit
D	The analyte concentration is the result of a dilution.
DF	Dilution Factor
DL	Detection Limit (i.e., maximum method detection limit)
E	The analyte result is above the calibrated range.
F	Indicates value that is greater than or equal to the DL
GT	Greater Than
IB	Instrument Blank
ICV	Initial Calibration Verification
J	The quantitation is an estimation.
JL	The analyte was positively identified, but the quantitation is a low estimation.
LCS(D)	Laboratory Control Spike (Duplicate)
LOD	Limit of Detection (i.e., 1/2 of the LOQ)
LOQ	Limit of Quantitation (i.e., reporting or practical quantitation limit)
LT	Less Than
M	A matrix effect was present.
MB	Method Blank
MS(D)	Matrix Spike (Duplicate)
ND	Indicates the analyte is not detected.
Q	QC parameter out of acceptance range.
R	Rejected
RPD	Relative Percent Difference
U	Indicates the analyte was analyzed for but not detected.

Note: Sample summaries which include a result for "Total Solids" have already been adjusted for moisture content. All DRO/RRO analyses are integrated per SOP.

Print Date 09/13/2016 3 22 08PM

Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	Matrix
MW-1	1168461001	08/23/2016	08/24/2016	Water (Surface, Eff., Ground)
MW-2	1168461002	08/23/2016	08/24/2016	Water (Surface, Eff., Ground)
MW-3	1168461003	08/23/2016	08/24/2016	Water (Surface, Eff., Ground)
MW-4	1168461004	08/23/2016	08/24/2016	Water (Surface, Eff., Ground)
MW-6	1168461005	08/23/2016	08/24/2016	Water (Surface, Eff., Ground)
MW-7	1168461006	08/23/2016	08/24/2016	Water (Surface, Eff., Ground)
Trip Blank	1168461007	08/23/2016	08/24/2016	Water (Surface, Eff., Ground)

Method	Method Description
AK102	DRO Low Volume (W)
AK101	Gasoline Range Organics (W)
SW8260B	Volatile Organic Compounds (W) FULL

SGS North America Inc.
200 West Potter Drive, Anchorage, AK 99518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Detectable Results Summary

Client Sample ID: **MW-1**
Lab Sample ID: 1168461001
Semivolatile Organic Fuels
Volatile Fuels
Volatile GC/MS

Parameter	Result	Units
Diesel Range Organics	0.901	mg/L
Gasoline Range Organics	4.90	mg/L
1,2,4-Trimethylbenzene	362	ug/L
1,3,5-Trimethylbenzene	54.6	ug/L
4-Isopropyltoluene	1.35	ug/L
Benzene	0.650	ug/L
Chloromethane	0.590J	ug/L
Ethylbenzene	610	ug/L
Isopropylbenzene (Cumene)	22.7	ug/L
Naphthalene	15.9	ug/L
n-Propylbenzene	43.5	ug/L
o-Xylene	678	ug/L
P & M -Xylene	1580	ug/L
Toluene	15.6	ug/L
Xylenes (total)	2250	ug/L

Client Sample ID: **MW-2**
Lab Sample ID: 1168461002
Semivolatile Organic Fuels
Volatile Fuels
Volatile GC/MS

Parameter	Result	Units
Diesel Range Organics	0.354J	mg/L
Gasoline Range Organics	0.0334J	mg/L
1,2,4-Trimethylbenzene	0.550J	ug/L
1,2-Dichloroethane	0.250J	ug/L
Chloromethane	0.730J	ug/L
P & M -Xylene	0.760J	ug/L
Tetrachloroethene	0.470J	ug/L

Client Sample ID: **MW-3**
Lab Sample ID: 1168461003
Semivolatile Organic Fuels
Volatile Fuels
Volatile GC/MS

Parameter	Result	Units
Diesel Range Organics	0.412J	mg/L
Gasoline Range Organics	0.0325J	mg/L
1,2,4-Trimethylbenzene	1.84	ug/L
1,2-Dichlorobenzene	5.00	ug/L
1,3,5-Trimethylbenzene	0.660J	ug/L
1,4-Dichlorobenzene	0.270J	ug/L
4-Isopropyltoluene	1.93	ug/L
Chloromethane	0.540J	ug/L
o-Xylene	0.350J	ug/L
Tetrachloroethene	0.760J	ug/L

Detectable Results Summary

Client Sample ID: **MW-4**
Lab Sample ID: 1168461004
Semivolatile Organic Fuels
Volatile Fuels
Volatile GC/MS

Parameter	Result	Units
Diesel Range Organics	0.511J	mg/L
Gasoline Range Organics	0.0332J	mg/L
1,2,4-Trimethylbenzene	3.01	ug/L
1,2-Dichlorobenzene	8.49	ug/L
1,2-Dichloroethane	0.230J	ug/L
1,3,5-Trimethylbenzene	1.08	ug/L
1,4-Dichlorobenzene	0.470J	ug/L
4-Isopropyltoluene	3.08	ug/L
Chloromethane	0.950J	ug/L
n-Propylbenzene	0.420J	ug/L
o-Xylene	0.540J	ug/L
P & M -Xylene	0.760J	ug/L
Tetrachloroethene	1.39	ug/L
Xylenes (total)	1.30J	ug/L

Client Sample ID: **MW-6**
Lab Sample ID: 1168461005
Volatile GC/MS

Parameter	Result	Units
Chloromethane	0.960J	ug/L
Tetrachloroethene	2.17	ug/L
Trichlorofluoromethane	3.93	ug/L
Xylenes (total)	2.17J	ug/L

Client Sample ID: **MW-7**
Lab Sample ID: 1168461006
Semivolatile Organic Fuels
Volatile GC/MS

Parameter	Result	Units
Diesel Range Organics	0.474J	mg/L
1,2-Dichlorobenzene	0.800J	ug/L
Chloromethane	0.750J	ug/L
Trichlorofluoromethane	1.44	ug/L

Client Sample ID: **Trip Blank**
Lab Sample ID: 1168461007
Volatile GC/MS

Parameter	Result	Units
Chloromethane	0.530J	ug/L

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200 West Potter Drive, Anchorage, AK 99518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Results of MW-1

Client Sample ID: **MW-1**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461001
Lab Project ID: 1168461

Collection Date: 08/23/16 09:40
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Semivolatile Organic Fuels

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	0.901		0.588	0.176	mg/L	1		09/03/16 20:31
Surrogates								
5a Androstane (surr)	91		50-150		%	1		09/03/16 20:31

Batch Information

Analytical Batch: XFC12777
Analytical Method: AK102
Analyst: CRA
Analytical Date/Time: 09/03/16 20:31
Container ID: 1168461001-D

Prep Batch: XXX36196
Prep Method: SW3520C
Prep Date/Time: 09/01/16 15:52
Prep Initial Wt./Vol.: 255 mL
Prep Extract Vol: 1 mL

Results of MW-1

Client Sample ID: **MW-1**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461001
Lab Project ID: 1168461

Collection Date: 08/23/16 09:40
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile Fuels

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	4.90		1.00	0.310	mg/L	10		09/02/16 21:03
Surrogates								
4-Bromofluorobenzene (surr)	105		50-150		%	10		09/02/16 21:03

Batch Information

Analytical Batch: VFC13273
Analytical Method: AK101
Analyst: ST
Analytical Date/Time: 09/02/16 21:03
Container ID: 1168461001-A

Prep Batch: VXX29488
Prep Method: SW5030B
Prep Date/Time: 09/02/16 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

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Results of **MW-1**

Client Sample ID: **MW-1**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461001
Lab Project ID: 1168461

Collection Date: 08/23/16 09:40
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:05
1,1,1-Trichloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
1,1,2,2-Tetrachloroethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:05
1,1,2-Trichloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
1,1-Dichloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
1,1-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
1,1-Dichloropropene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
1,2,3-Trichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
1,2,3-Trichloropropane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
1,2,4-Trichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
1,2,4-Trimethylbenzene	362		10.0	3.10	ug/L	10		09/01/16 18:21
1,2-Dibromo-3-chloropropane	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:05
1,2-Dibromoethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
1,2-Dichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
1,2-Dichloroethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:05
1,2-Dichloropropane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
1,3,5-Trimethylbenzene	54.6		1.00	0.310	ug/L	1		08/24/16 21:05
1,3-Dichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
1,3-Dichloropropane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:05
1,4-Dichlorobenzene	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:05
2,2-Dichloropropane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
2-Butanone (MEK)	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:05
2-Chlorotoluene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
2-Hexanone	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:05
4-Chlorotoluene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
4-Isopropyltoluene	1.35		1.00	0.310	ug/L	1		08/24/16 21:05
4-Methyl-2-pentanone (MIBK)	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:05
Benzene	0.650		0.400	0.120	ug/L	1		08/24/16 21:05
Bromobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
Bromochloromethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
Bromodichloromethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:05
Bromoform	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
Bromomethane	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:05
Carbon disulfide	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:05
Carbon tetrachloride	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
Chlorobenzene	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:05
Chloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05

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Results of **MW-1**

Client Sample ID: **MW-1**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461001
Lab Project ID: 1168461

Collection Date: 08/23/16 09:40
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Chloroform	0.500	U	1.00	0.300	ug/L	1		08/24/16 21:05
Chloromethane	0.590	J	1.00	0.310	ug/L	1		08/24/16 21:05
cis-1,2-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
cis-1,3-Dichloropropene	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:05
Dibromochloromethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:05
Dibromomethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
Dichlorodifluoromethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
Ethylbenzene	610		10.0	3.10	ug/L	10		09/01/16 18:21
Freon-113	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:05
Hexachlorobutadiene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
Isopropylbenzene (Cumene)	22.7		1.00	0.310	ug/L	1		08/24/16 21:05
Methylene chloride	2.50	U	5.00	1.00	ug/L	1		08/24/16 21:05
Methyl-t-butyl ether	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:05
Naphthalene	15.9		10.0	3.10	ug/L	1		08/24/16 21:05
n-Butylbenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
n-Propylbenzene	43.5		1.00	0.310	ug/L	1		08/24/16 21:05
o-Xylene	678		10.0	3.10	ug/L	10		09/01/16 18:21
P & M -Xylene	1580		200	62.0	ug/L	100		09/01/16 16:59
sec-Butylbenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
Styrene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
tert-Butylbenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
Tetrachloroethene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
Toluene	15.6		1.00	0.310	ug/L	1		08/24/16 21:05
trans-1,2-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
trans-1,3-Dichloropropene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
Trichloroethene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
Trichlorofluoromethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
Vinyl acetate	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:05
Vinyl chloride	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:05
Xylenes (total)	2250		300	100	ug/L	100		09/01/16 16:59
Surrogates								
1,2-Dichloroethane-D4 (surr)	100		81-118		%	10		09/01/16 18:21
1,2-Dichloroethane-D4 (surr)	88.3		81-118		%	1		08/24/16 21:05
4-Bromofluorobenzene (surr)	95.3		85-114		%	1		08/24/16 21:05
4-Bromofluorobenzene (surr)	99.2		85-114		%	10		09/01/16 18:21
Toluene-d8 (surr)	101		89-112		%	10		09/01/16 18:21
Toluene-d8 (surr)	102		89-112		%	1		08/24/16 21:05

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Results of MW-1

Client Sample ID: **MW-1**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461001
Lab Project ID: 1168461

Collection Date: 08/23/16 09:40
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile GC/MS

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed

Batch Information

Analytical Batch: VMS16107
Analytical Method: SW8260B
Analyst: TJT
Analytical Date/Time: 08/24/16 21:05
Container ID: 1168461001-F

Prep Batch: VXX29422
Prep Method: SW5030B
Prep Date/Time: 08/24/16 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Analytical Batch: VMS16135
Analytical Method: SW8260B
Analyst: TJT
Analytical Date/Time: 09/01/16 18:21
Container ID: 1168461001-C

Prep Batch: VXX29480
Prep Method: SW5030B
Prep Date/Time: 09/01/16 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Results of MW-2

Client Sample ID: **MW-2**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461002
Lab Project ID: 1168461

Collection Date: 08/23/16 10:35
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Semivolatile Organic Fuels

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	0.354	J	0.612	0.184	mg/L	1		09/03/16 20:41
Surrogates								
5a Androstane (surr)	97.5		50-150		%	1		09/03/16 20:41

Batch Information

Analytical Batch: XFC12777
Analytical Method: AK102
Analyst: CRA
Analytical Date/Time: 09/03/16 20:41
Container ID: 1168461002-D

Prep Batch: XXX36196
Prep Method: SW3520C
Prep Date/Time: 09/01/16 15:52
Prep Initial Wt./Vol.: 245 mL
Prep Extract Vol: 1 mL

Results of MW-2

Client Sample ID: **MW-2**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461002
Lab Project ID: 1168461

Collection Date: 08/23/16 10:35
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile Fuels

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	0.0334	J	0.100	0.0310	mg/L	1		09/01/16 22:08
Surrogates								
4-Bromofluorobenzene (surr)	91.8		50-150		%	1		09/01/16 22:08

Batch Information

Analytical Batch: VFC13270
Analytical Method: AK101
Analyst: ST
Analytical Date/Time: 09/01/16 22:08
Container ID: 1168461002-A

Prep Batch: VXX29474
Prep Method: SW5030B
Prep Date/Time: 09/01/16 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

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Results of **MW-2**

Client Sample ID: **MW-2**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461002
Lab Project ID: 1168461

Collection Date: 08/23/16 10:35
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:21
1,1,1-Trichloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
1,1,2,2-Tetrachloroethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:21
1,1,2-Trichloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
1,1-Dichloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
1,1-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
1,1-Dichloropropene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
1,2,3-Trichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
1,2,3-Trichloropropane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
1,2,4-Trichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
1,2,4-Trimethylbenzene	0.550	J	1.00	0.310	ug/L	1		08/24/16 21:21
1,2-Dibromo-3-chloropropane	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:21
1,2-Dibromoethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
1,2-Dichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
1,2-Dichloroethane	0.250	J	0.500	0.150	ug/L	1		08/24/16 21:21
1,2-Dichloropropane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
1,3,5-Trimethylbenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
1,3-Dichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
1,3-Dichloropropane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:21
1,4-Dichlorobenzene	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:21
2,2-Dichloropropane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
2-Butanone (MEK)	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:21
2-Chlorotoluene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
2-Hexanone	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:21
4-Chlorotoluene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
4-Isopropyltoluene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
4-Methyl-2-pentanone (MIBK)	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:21
Benzene	0.200	U	0.400	0.120	ug/L	1		08/24/16 21:21
Bromobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
Bromochloromethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
Bromodichloromethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:21
Bromoform	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
Bromomethane	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:21
Carbon disulfide	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:21
Carbon tetrachloride	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
Chlorobenzene	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:21
Chloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21

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Results of **MW-2**

Client Sample ID: **MW-2**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461002
Lab Project ID: 1168461

Collection Date: 08/23/16 10:35
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Chloroform	0.500	U	1.00	0.300	ug/L	1		08/24/16 21:21
Chloromethane	0.730	J	1.00	0.310	ug/L	1		08/24/16 21:21
cis-1,2-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
cis-1,3-Dichloropropene	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:21
Dibromochloromethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:21
Dibromomethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
Dichlorodifluoromethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
Ethylbenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
Freon-113	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:21
Hexachlorobutadiene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
Isopropylbenzene (Cumene)	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
Methylene chloride	2.50	U	5.00	1.00	ug/L	1		08/24/16 21:21
Methyl-t-butyl ether	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:21
Naphthalene	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:21
n-Butylbenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
n-Propylbenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
o-Xylene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
P & M -Xylene	0.760	J	2.00	0.620	ug/L	1		08/24/16 21:21
sec-Butylbenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
Styrene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
tert-Butylbenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
Tetrachloroethene	0.470	J	1.00	0.310	ug/L	1		08/24/16 21:21
Toluene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
trans-1,2-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
trans-1,3-Dichloropropene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
Trichloroethene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
Trichlorofluoromethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
Vinyl acetate	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:21
Vinyl chloride	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:21
Xylenes (total)	1.50	U	3.00	1.00	ug/L	1		08/24/16 21:21
Surrogates								
1,2-Dichloroethane-D4 (surr)	98.1		81-118		%	1		08/24/16 21:21
4-Bromofluorobenzene (surr)	101		85-114		%	1		08/24/16 21:21
Toluene-d8 (surr)	97.5		89-112		%	1		08/24/16 21:21

Results of MW-2

Client Sample ID: **MW-2**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461002
Lab Project ID: 1168461

Collection Date: 08/23/16 10:35
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile GC/MS

Batch Information

Analytical Batch: VMS16107
Analytical Method: SW8260B
Analyst: TJT
Analytical Date/Time: 08/24/16 21:21
Container ID: 1168461002-F

Prep Batch: VXX29422
Prep Method: SW5030B
Prep Date/Time: 08/24/16 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Results of MW-3

Client Sample ID: **MW-3**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461003
Lab Project ID: 1168461

Collection Date: 08/23/16 08:37
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Semivolatile Organic Fuels

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	0.412	J	0.556	0.167	mg/L	1		09/03/16 20:52
Surrogates								
5a Androstane (surr)	83.5		50-150		%	1		09/03/16 20:52

Batch Information

Analytical Batch: XFC12777
Analytical Method: AK102
Analyst: CRA
Analytical Date/Time: 09/03/16 20:52
Container ID: 1168461003-D

Prep Batch: XXX36196
Prep Method: SW3520C
Prep Date/Time: 09/01/16 15:52
Prep Initial Wt./Vol.: 270 mL
Prep Extract Vol: 1 mL

Results of MW-3

Client Sample ID: **MW-3**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461003
Lab Project ID: 1168461

Collection Date: 08/23/16 08:37
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile Fuels

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	0.0325	J	0.100	0.0310	mg/L	1		09/01/16 22:27
Surrogates								
4-Bromofluorobenzene (surr)	92		50-150		%	1		09/01/16 22:27

Batch Information

Analytical Batch: VFC13270
Analytical Method: AK101
Analyst: ST
Analytical Date/Time: 09/01/16 22:27
Container ID: 1168461003-A

Prep Batch: VXX29474
Prep Method: SW5030B
Prep Date/Time: 09/01/16 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

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Results of **MW-3**

Client Sample ID: **MW-3**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461003
Lab Project ID: 1168461

Collection Date: 08/23/16 08:37
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:37
1,1,1-Trichloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
1,1,2,2-Tetrachloroethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:37
1,1,2-Trichloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
1,1-Dichloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
1,1-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
1,1-Dichloropropene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
1,2,3-Trichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
1,2,3-Trichloropropane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
1,2,4-Trichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
1,2,4-Trimethylbenzene	1.84		1.00	0.310	ug/L	1		08/24/16 21:37
1,2-Dibromo-3-chloropropane	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:37
1,2-Dibromoethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
1,2-Dichlorobenzene	5.00		1.00	0.310	ug/L	1		08/24/16 21:37
1,2-Dichloroethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:37
1,2-Dichloropropane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
1,3,5-Trimethylbenzene	0.660	J	1.00	0.310	ug/L	1		08/24/16 21:37
1,3-Dichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
1,3-Dichloropropane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:37
1,4-Dichlorobenzene	0.270	J	0.500	0.150	ug/L	1		08/24/16 21:37
2,2-Dichloropropane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
2-Butanone (MEK)	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:37
2-Chlorotoluene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
2-Hexanone	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:37
4-Chlorotoluene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
4-Isopropyltoluene	1.93		1.00	0.310	ug/L	1		08/24/16 21:37
4-Methyl-2-pentanone (MIBK)	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:37
Benzene	0.200	U	0.400	0.120	ug/L	1		08/24/16 21:37
Bromobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
Bromochloromethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
Bromodichloromethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:37
Bromoform	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
Bromomethane	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:37
Carbon disulfide	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:37
Carbon tetrachloride	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37
Chlorobenzene	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:37
Chloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:37

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Results of MW-3

Client Sample ID: **MW-3**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461003
Lab Project ID: 1168461

Collection Date: 08/23/16 08:37
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile GC/MS

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Chloroform	0.500 U		1.00	0.300	ug/L	1		08/24/16 21:37
Chloromethane	0.540 J		1.00	0.310	ug/L	1		08/24/16 21:37
cis-1,2-Dichloroethene	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
cis-1,3-Dichloropropene	0.250 U		0.500	0.150	ug/L	1		08/24/16 21:37
Dibromochloromethane	0.250 U		0.500	0.150	ug/L	1		08/24/16 21:37
Dibromomethane	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
Dichlorodifluoromethane	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
Ethylbenzene	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
Freon-113	5.00 U		10.0	3.10	ug/L	1		08/24/16 21:37
Hexachlorobutadiene	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
Isopropylbenzene (Cumene)	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
Methylene chloride	2.50 U		5.00	1.00	ug/L	1		08/24/16 21:37
Methyl-t-butyl ether	5.00 U		10.0	3.10	ug/L	1		08/24/16 21:37
Naphthalene	5.00 U		10.0	3.10	ug/L	1		08/24/16 21:37
n-Butylbenzene	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
n-Propylbenzene	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
o-Xylene	0.350 J		1.00	0.310	ug/L	1		08/24/16 21:37
P & M -Xylene	1.00 U		2.00	0.620	ug/L	1		08/24/16 21:37
sec-Butylbenzene	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
Styrene	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
tert-Butylbenzene	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
Tetrachloroethene	0.760 J		1.00	0.310	ug/L	1		08/24/16 21:37
Toluene	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
trans-1,2-Dichloroethene	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
trans-1,3-Dichloropropene	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
Trichloroethene	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
Trichlorofluoromethane	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
Vinyl acetate	5.00 U		10.0	3.10	ug/L	1		08/24/16 21:37
Vinyl chloride	0.500 U		1.00	0.310	ug/L	1		08/24/16 21:37
Xylenes (total)	1.50 U		3.00	1.00	ug/L	1		08/24/16 21:37
Surrogates								
1,2-Dichloroethane-D4 (surr)	94.3		81-118		%	1		08/24/16 21:37
4-Bromofluorobenzene (surr)	103		85-114		%	1		08/24/16 21:37
Toluene-d8 (surr)	98.4		89-112		%	1		08/24/16 21:37

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Results of MW-3

Client Sample ID: **MW-3**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461003
Lab Project ID: 1168461

Collection Date: 08/23/16 08:37
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile GC/MS

Batch Information

Analytical Batch: VMS16107
Analytical Method: SW8260B
Analyst: TJT
Analytical Date/Time: 08/24/16 21:37
Container ID: 1168461003-F

Prep Batch: VXX29422
Prep Method: SW5030B
Prep Date/Time: 08/24/16 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

SGS North America Inc
200 West Potter Drive Anchorage, AK 95518
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Results of MW-4

Client Sample ID: **MW-4**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461004
Lab Project ID: 1168461

Collection Date: 08/23/16 08:45
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Semivolatile Organic Fuels

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	0.511	J	0.556	0.167	mg/L	1		09/03/16 21:02
Surrogates								
5a Androstane (surr)	78.3		50-150		%	1		09/03/16 21:02

Batch Information

Analytical Batch: XFC12777
Analytical Method: AK102
Analyst: CRA
Analytical Date/Time: 09/03/16 21:02
Container ID: 1168461004-D

Prep Batch: XXX36196
Prep Method: SW3520C
Prep Date/Time: 09/01/16 15:52
Prep Initial Wt./Vol.: 270 mL
Prep Extract Vol: 1 mL

Results of MW-4

Client Sample ID: **MW-4**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461004
Lab Project ID: 1168461

Collection Date: 08/23/16 08:45
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile Fuels

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	0.0332	J	0.100	0.0310	mg/L	1		09/01/16 22:46
Surrogates								
4-Bromofluorobenzene (surr)	90.9		50-150		%	1		09/01/16 22:46

Batch Information

Analytical Batch: VFC13270
Analytical Method: AK101
Analyst: ST
Analytical Date/Time: 09/01/16 22:46
Container ID: 1168461004-A

Prep Batch: VXX29474
Prep Method: SW5030B
Prep Date/Time: 09/01/16 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

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Results of **MW-4**

Client Sample ID: **MW-4**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461004
Lab Project ID: 1168461

Collection Date: 08/23/16 08:45
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:54
1,1,1-Trichloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
1,1,2,2-Tetrachloroethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:54
1,1,2-Trichloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
1,1-Dichloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
1,1-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
1,1-Dichloropropene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
1,2,3-Trichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
1,2,3-Trichloropropane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
1,2,4-Trichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
1,2,4-Trimethylbenzene	3.01		1.00	0.310	ug/L	1		08/24/16 21:54
1,2-Dibromo-3-chloropropane	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:54
1,2-Dibromoethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
1,2-Dichlorobenzene	8.49		1.00	0.310	ug/L	1		08/24/16 21:54
1,2-Dichloroethane	0.230	J	0.500	0.150	ug/L	1		08/24/16 21:54
1,2-Dichloropropane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
1,3,5-Trimethylbenzene	1.08		1.00	0.310	ug/L	1		08/24/16 21:54
1,3-Dichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
1,3-Dichloropropane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:54
1,4-Dichlorobenzene	0.470	J	0.500	0.150	ug/L	1		08/24/16 21:54
2,2-Dichloropropane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
2-Butanone (MEK)	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:54
2-Chlorotoluene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
2-Hexanone	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:54
4-Chlorotoluene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
4-Isopropyltoluene	3.08		1.00	0.310	ug/L	1		08/24/16 21:54
4-Methyl-2-pentanone (MIBK)	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:54
Benzene	0.200	U	0.400	0.120	ug/L	1		08/24/16 21:54
Bromobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
Bromochloromethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
Bromodichloromethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:54
Bromoform	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
Bromomethane	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:54
Carbon disulfide	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:54
Carbon tetrachloride	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
Chlorobenzene	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:54
Chloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54

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Results of **MW-4**

Client Sample ID: **MW-4**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461004
Lab Project ID: 1168461

Collection Date: 08/23/16 08:45
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Chloroform	0.500	U	1.00	0.300	ug/L	1		08/24/16 21:54
Chloromethane	0.950	J	1.00	0.310	ug/L	1		08/24/16 21:54
cis-1,2-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
cis-1,3-Dichloropropene	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:54
Dibromochloromethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 21:54
Dibromomethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
Dichlorodifluoromethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
Ethylbenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
Freon-113	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:54
Hexachlorobutadiene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
Isopropylbenzene (Cumene)	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
Methylene chloride	2.50	U	5.00	1.00	ug/L	1		08/24/16 21:54
Methyl-t-butyl ether	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:54
Naphthalene	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:54
n-Butylbenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
n-Propylbenzene	0.420	J	1.00	0.310	ug/L	1		08/24/16 21:54
o-Xylene	0.540	J	1.00	0.310	ug/L	1		08/24/16 21:54
P & M -Xylene	0.760	J	2.00	0.620	ug/L	1		08/24/16 21:54
sec-Butylbenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
Styrene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
tert-Butylbenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
Tetrachloroethene	1.39		1.00	0.310	ug/L	1		08/24/16 21:54
Toluene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
trans-1,2-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
trans-1,3-Dichloropropene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
Trichloroethene	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
Trichlorofluoromethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
Vinyl acetate	5.00	U	10.0	3.10	ug/L	1		08/24/16 21:54
Vinyl chloride	0.500	U	1.00	0.310	ug/L	1		08/24/16 21:54
Xylenes (total)	1.30	J	3.00	1.00	ug/L	1		08/24/16 21:54
Surrogates								
1,2-Dichloroethane-D4 (surr)	105		81-118		%	1		08/24/16 21:54
4-Bromofluorobenzene (surr)	102		85-114		%	1		08/24/16 21:54
Toluene-d8 (surr)	100		89-112		%	1		08/24/16 21:54

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Results of MW-4

Client Sample ID: **MW-4**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461004
Lab Project ID: 1168461

Collection Date: 08/23/16 08:45
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile GC/MS

Batch Information

Analytical Batch: VMS16107
Analytical Method: SW8260B
Analyst: TJT
Analytical Date/Time: 08/24/16 21:54
Container ID: 1168461004-F

Prep Batch: VXX29422
Prep Method: SW5030B
Prep Date/Time: 08/24/16 06:00
Prep Initial Wt /Vol: 5 mL
Prep Extract Vol: 5 mL

Results of MW-6

Client Sample ID: **MW-6**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461005
Lab Project ID: 1168461

Collection Date: 08/23/16 11:58
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Semivolatile Organic Fuels

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	0.313	U	0.625	0.188	mg/L	1		09/03/16 21:12
Surrogates								
5a Androstane (surr)	92.3		50-150		%	1		09/03/16 21:12

Batch Information

Analytical Batch: XFC12777
Analytical Method: AK102
Analyst: CRA
Analytical Date/Time: 09/03/16 21:12
Container ID: 1168461005-D

Prep Batch: XXX36196
Prep Method: SW3520C
Prep Date/Time: 09/01/16 15:52
Prep Initial Wt./Vol.: 240 mL
Prep Extract Vol: 1 mL

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Results of MW-6

Client Sample ID: **MW-6**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461005
Lab Project ID: 1168461

Collection Date: 08/23/16 11:58
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile Fuels

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	0.0500	U	0.100	0.0310	mg/L	1		09/01/16 23:05
Surrogates								
4-Bromofluorobenzene (surr)	89.3		50-150		%	1		09/01/16 23:05

Batch Information

Analytical Batch: VFC13270
Analytical Method: AK101
Analyst: ST
Analytical Date/Time: 09/01/16 23:05
Container ID: 1168461005-A

Prep Batch: VXX29474
Prep Method: SW5030B
Prep Date/Time: 09/01/16 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

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Results of **MW-6**

Client Sample ID: **MW-6**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461005
Lab Project ID: 1168461

Collection Date: 08/23/16 11:58
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	0.250	U	0.500	0.150	ug/L	1		08/26/16 22:49
1,1,1-Trichloroethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
1,1,2,2-Tetrachloroethane	0.250	U	0.500	0.150	ug/L	1		08/26/16 22:49
1,1,2-Trichloroethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
1,1-Dichloroethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
1,1-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
1,1-Dichloropropene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
1,2,3-Trichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
1,2,3-Trichloropropane	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
1,2,4-Trichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
1,2,4-Trimethylbenzene	0.500	U	1.00	0.310	ug/L	1		09/01/16 00:43
1,2-Dibromo-3-chloropropane	5.00	U	10.0	3.10	ug/L	1		08/26/16 22:49
1,2-Dibromoethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
1,2-Dichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
1,2-Dichloroethane	0.250	U	0.500	0.150	ug/L	1		08/26/16 22:49
1,2-Dichloropropane	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
1,3,5-Trimethylbenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
1,3-Dichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
1,3-Dichloropropane	0.250	U	0.500	0.150	ug/L	1		08/26/16 22:49
1,4-Dichlorobenzene	0.250	U	0.500	0.150	ug/L	1		08/26/16 22:49
2,2-Dichloropropane	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
2-Butanone (MEK)	5.00	U	10.0	3.10	ug/L	1		08/26/16 22:49
2-Chlorotoluene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
2-Hexanone	5.00	U	10.0	3.10	ug/L	1		08/26/16 22:49
4-Chlorotoluene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
4-Isopropyltoluene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
4-Methyl-2-pentanone (MIBK)	5.00	U	10.0	3.10	ug/L	1		08/26/16 22:49
Benzene	0.200	U	0.400	0.120	ug/L	1		08/26/16 22:49
Bromobenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
Bromochloromethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
Bromodichloromethane	0.250	U	0.500	0.150	ug/L	1		08/26/16 22:49
Bromoform	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
Bromomethane	5.00	U	10.0	3.10	ug/L	1		08/26/16 22:49
Carbon disulfide	5.00	U	10.0	3.10	ug/L	1		08/26/16 22:49
Carbon tetrachloride	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
Chlorobenzene	0.250	U	0.500	0.150	ug/L	1		08/26/16 22:49
Chloroethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49

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Results of MW-6

Client Sample ID: **MW-6**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461005
Lab Project ID: 1168461

Collection Date: 08/23/16 11:58
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile GC/MS

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Chloroform	0.500	U	1.00	0.300	ug/L	1		08/26/16 22:49
Chloromethane	0.960	J	1.00	0.310	ug/L	1		08/26/16 22:49
cis-1,2-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
cis-1,3-Dichloropropene	0.250	U	0.500	0.150	ug/L	1		08/26/16 22:49
Dibromochloromethane	0.250	U	0.500	0.150	ug/L	1		08/26/16 22:49
Dibromomethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
Dichlorodifluoromethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
Ethylbenzene	0.500	U	1.00	0.310	ug/L	1		09/01/16 00:43
Freon-113	5.00	U	10.0	3.10	ug/L	1		08/26/16 22:49
Hexachlorobutadiene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
Isopropylbenzene (Cumene)	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
Methylene chloride	2.50	U	5.00	1.00	ug/L	1		08/26/16 22:49
Methyl-t-butyl ether	5.00	U	10.0	3.10	ug/L	1		08/26/16 22:49
Naphthalene	5.00	U	10.0	3.10	ug/L	1		08/26/16 22:49
n-Butylbenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
n-Propylbenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
o-Xylene	0.500	U	1.00	0.310	ug/L	1		09/01/16 00:43
P & M -Xylene	1.00	U	2.00	0.620	ug/L	1		09/01/16 00:43
sec-Butylbenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
Styrene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
tert-Butylbenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
Tetrachloroethene	2.17		1.00	0.310	ug/L	1		08/26/16 22:49
Toluene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
trans-1,2-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
trans-1,3-Dichloropropene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
Trichloroethene	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
Trichlorofluoromethane	3.93		1.00	0.310	ug/L	1		08/26/16 22:49
Vinyl acetate	5.00	U	10.0	3.10	ug/L	1		08/26/16 22:49
Vinyl chloride	0.500	U	1.00	0.310	ug/L	1		08/26/16 22:49
Xylenes (total)	2.17	J	3.00	1.00	ug/L	1		08/26/16 22:49
Surrogates								
1,2-Dichloroethane-D4 (surr)	103		81-118		%	1		08/26/16 22:49
4-Bromofluorobenzene (surr)	101		85-114		%	1		08/26/16 22:49
Toluene-d8 (surr)	104		89-112		%	1		08/26/16 22:49

Results of MW-6

Client Sample ID: **MW-6**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461005
Lab Project ID: 1168461

Collection Date: 08/23/16 11:58
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile GC/MS

Batch Information

Analytical Batch: VMS16121
Analytical Method: SW8260B
Analyst: TJT
Analytical Date/Time: 08/26/16 22:49
Container ID: 1168461005-G

Prep Batch: VXX29454
Prep Method: SW5030B
Prep Date/Time: 08/26/16 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Analytical Batch: VMS16133
Analytical Method: SW8260B
Analyst: TJT
Analytical Date/Time: 09/01/16 00:43
Container ID: 1168461005-C

Prep Batch: VXX29473
Prep Method: SW5030B
Prep Date/Time: 08/31/16 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Results of MW-7

Client Sample ID: **MW-7**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461006
Lab Project ID: 1168461

Collection Date: 08/23/16 11:07
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Semivolatile Organic Fuels

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	0.474	J	0.545	0.164	mg/L	1		09/07/16 02:44
Surrogates								
5a Androstane (surr)	79		50-150		%	1		09/07/16 02:44

Batch Information

Analytical Batch: XFC12805
Analytical Method: AK102
Analyst: NRO
Analytical Date/Time: 09/07/16 02:44
Container ID: 1168461006-D

Prep Batch: XXX36207
Prep Method: SW3520C
Prep Date/Time: 09/02/16 16:31
Prep Initial Wt./Vol.: 275 mL
Prep Extract Vol: 1 mL

Results of MW-7

Client Sample ID: **MW-7**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461006
Lab Project ID: 1168461

Collection Date: 08/23/16 11:07
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile Fuels

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	0.0500	U	0.100	0.0310	mg/L	1		09/01/16 23:24
Surrogates								
4-Bromofluorobenzene (surr)	90.6		50-150		%	1		09/01/16 23:24

Batch Information

Analytical Batch: VFC13270
Analytical Method: AK101
Analyst: ST
Analytical Date/Time: 09/01/16 23:24
Container ID: 1168461006-A

Prep Batch: VXX29474
Prep Method: SW5030B
Prep Date/Time: 09/01/16 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

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Results of **MW-7**

Client Sample ID: **MW-7**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461006
Lab Project ID: 1168461

Collection Date: 08/23/16 11:07
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	0.250	U	0.500	0.150	ug/L	1		08/26/16 23:06
1,1,1-Trichloroethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
1,1,2,2-Tetrachloroethane	0.250	U	0.500	0.150	ug/L	1		08/26/16 23:06
1,1,2-Trichloroethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
1,1-Dichloroethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
1,1-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
1,1-Dichloropropene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
1,2,3-Trichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
1,2,3-Trichloropropane	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
1,2,4-Trichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
1,2,4-Trimethylbenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
1,2-Dibromo-3-chloropropane	5.00	U	10.0	3.10	ug/L	1		08/26/16 23:06
1,2-Dibromoethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
1,2-Dichlorobenzene	0.800	J	1.00	0.310	ug/L	1		08/26/16 23:06
1,2-Dichloroethane	0.250	U	0.500	0.150	ug/L	1		08/26/16 23:06
1,2-Dichloropropane	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
1,3,5-Trimethylbenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
1,3-Dichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
1,3-Dichloropropane	0.250	U	0.500	0.150	ug/L	1		08/26/16 23:06
1,4-Dichlorobenzene	0.250	U	0.500	0.150	ug/L	1		08/26/16 23:06
2,2-Dichloropropane	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
2-Butanone (MEK)	5.00	U	10.0	3.10	ug/L	1		08/26/16 23:06
2-Chlorotoluene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
2-Hexanone	5.00	U	10.0	3.10	ug/L	1		08/26/16 23:06
4-Chlorotoluene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
4-Isopropyltoluene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
4-Methyl-2-pentanone (MIBK)	5.00	U	10.0	3.10	ug/L	1		08/26/16 23:06
Benzene	0.200	U	0.400	0.120	ug/L	1		08/26/16 23:06
Bromobenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
Bromochloromethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
Bromodichloromethane	0.250	U	0.500	0.150	ug/L	1		08/26/16 23:06
Bromoform	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
Bromomethane	5.00	U	10.0	3.10	ug/L	1		08/26/16 23:06
Carbon disulfide	5.00	U	10.0	3.10	ug/L	1		08/26/16 23:06
Carbon tetrachloride	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
Chlorobenzene	0.250	U	0.500	0.150	ug/L	1		08/26/16 23:06
Chloroethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06

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Results of MW-7

Client Sample ID: **MW-7**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461006
Lab Project ID: 1168461

Collection Date: 08/23/16 11:07
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile GC/MS

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Chloroform	0.500	U	1.00	0.300	ug/L	1		08/26/16 23:06
Chloromethane	0.750	J	1.00	0.310	ug/L	1		08/26/16 23:06
cis-1,2-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
cis-1,3-Dichloropropene	0.250	U	0.500	0.150	ug/L	1		08/26/16 23:06
Dibromochloromethane	0.250	U	0.500	0.150	ug/L	1		08/26/16 23:06
Dibromomethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
Dichlorodifluoromethane	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
Ethylbenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
Freon-113	5.00	U	10.0	3.10	ug/L	1		08/26/16 23:06
Hexachlorobutadiene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
Isopropylbenzene (Cumene)	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
Methylene chloride	2.50	U	5.00	1.00	ug/L	1		08/26/16 23:06
Methyl-t-butyl ether	5.00	U	10.0	3.10	ug/L	1		08/26/16 23:06
Naphthalene	5.00	U	10.0	3.10	ug/L	1		08/26/16 23:06
n-Butylbenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
n-Propylbenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
o-Xylene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
P & M -Xylene	1.00	U	2.00	0.620	ug/L	1		08/26/16 23:06
sec-Butylbenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
Styrene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
tert-Butylbenzene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
Tetrachloroethene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
Toluene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
trans-1,2-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
trans-1,3-Dichloropropene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
Trichloroethene	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
Trichlorofluoromethane	1.44		1.00	0.310	ug/L	1		08/26/16 23:06
Vinyl acetate	5.00	U	10.0	3.10	ug/L	1		08/26/16 23:06
Vinyl chloride	0.500	U	1.00	0.310	ug/L	1		08/26/16 23:06
Xylenes (total)	1.50	U	3.00	1.00	ug/L	1		08/26/16 23:06
Surrogates								
1,2-Dichloroethane-D4 (surr)	98.4		81-118		%	1		08/26/16 23:06
4-Bromofluorobenzene (surr)	101		85-114		%	1		08/26/16 23:06
Toluene-d8 (surr)	102		89-112		%	1		08/26/16 23:06

Results of MW-7

Client Sample ID: **MW-7**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461006
Lab Project ID: 1168461

Collection Date: 08/23/16 11:07
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile GC/MS

Batch Information

Analytical Batch: VMS16121
Analytical Method: SW8260B
Analyst: TJT
Analytical Date/Time: 08/26/16 23:06
Container ID: 1168461006-G

Prep Batch: VXX29454
Prep Method: SW5030B
Prep Date/Time: 08/26/16 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Results of **Trip Blank**

Client Sample ID: **Trip Blank**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461007
Lab Project ID: 1168461

Collection Date: 08/23/16 08:37
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile Fuels

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	0.0500	U	0.100	0.0310	mg/L	1		09/02/16 00:41
Surrogates								
4-Bromofluorobenzene (surr)	88.4		50-150		%	1		09/02/16 00:41

Batch Information

Analytical Batch: VFC13270
Analytical Method: AK101
Analyst: ST
Analytical Date/Time: 09/02/16 00:41
Container ID: 1168461007-A

Prep Batch: VXX29475
Prep Method: SW5030B
Prep Date/Time: 09/01/16 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

SGS

Results of **Trip Blank**

Client Sample ID: **Trip Blank**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461007
Lab Project ID: 1168461

Collection Date: 08/23/16 08:37
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 18:04
1,1,1-Trichloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
1,1,2,2-Tetrachloroethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 18:04
1,1,2-Trichloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
1,1-Dichloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
1,1-Dichloroethene	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
1,1-Dichloropropene	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
1,2,3-Trichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
1,2,3-Trichloropropane	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
1,2,4-Trichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
1,2,4-Trimethylbenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
1,2-Dibromo-3-chloropropane	5.00	U	10.0	3.10	ug/L	1		08/24/16 18:04
1,2-Dibromoethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
1,2-Dichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
1,2-Dichloroethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 18:04
1,2-Dichloropropane	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
1,3,5-Trimethylbenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
1,3-Dichlorobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
1,3-Dichloropropane	0.250	U	0.500	0.150	ug/L	1		08/24/16 18:04
1,4-Dichlorobenzene	0.250	U	0.500	0.150	ug/L	1		08/24/16 18:04
2,2-Dichloropropane	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
2-Butanone (MEK)	5.00	U	10.0	3.10	ug/L	1		08/24/16 18:04
2-Chlorotoluene	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
2-Hexanone	5.00	U	10.0	3.10	ug/L	1		08/24/16 18:04
4-Chlorotoluene	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
4-Isopropyltoluene	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
4-Methyl-2-pentanone (MIBK)	5.00	U	10.0	3.10	ug/L	1		08/24/16 18:04
Benzene	0.200	U	0.400	0.120	ug/L	1		08/24/16 18:04
Bromobenzene	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
Bromochloromethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
Bromodichloromethane	0.250	U	0.500	0.150	ug/L	1		08/24/16 18:04
Bromoform	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
Bromomethane	5.00	U	10.0	3.10	ug/L	1		08/24/16 18:04
Carbon disulfide	5.00	U	10.0	3.10	ug/L	1		08/24/16 18:04
Carbon tetrachloride	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04
Chlorobenzene	0.250	U	0.500	0.150	ug/L	1		08/24/16 18:04
Chloroethane	0.500	U	1.00	0.310	ug/L	1		08/24/16 18:04

Print Date 09/13/2016 3 22 12PM

J flagging is activated

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Results of **Trip Blank**

Client Sample ID: **Trip Blank**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461007
Lab Project ID: 1168461

Collection Date: 08/23/16 08:37
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Chloroform	0.500 U		1.00	0.300	ug/L	1		08/24/16 18:04
Chloromethane	0.530 J		1.00	0.310	ug/L	1		08/24/16 18:04
cis-1,2-Dichloroethene	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
cis-1,3-Dichloropropene	0.250 U		0.500	0.150	ug/L	1		08/24/16 18:04
Dibromochloromethane	0.250 U		0.500	0.150	ug/L	1		08/24/16 18:04
Dibromomethane	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
Dichlorodifluoromethane	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
Ethylbenzene	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
Freon-113	5.00 U		10.0	3.10	ug/L	1		08/24/16 18:04
Hexachlorobutadiene	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
Isopropylbenzene (Cumene)	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
Methylene chloride	2.50 U		5.00	1.00	ug/L	1		08/24/16 18:04
Methyl-t-butyl ether	5.00 U		10.0	3.10	ug/L	1		08/24/16 18:04
Naphthalene	5.00 U		10.0	3.10	ug/L	1		08/24/16 18:04
n-Butylbenzene	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
n-Propylbenzene	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
o-Xylene	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
P & M -Xylene	1.00 U		2.00	0.620	ug/L	1		08/24/16 18:04
sec-Butylbenzene	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
Styrene	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
tert-Butylbenzene	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
Tetrachloroethene	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
Toluene	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
trans-1,2-Dichloroethene	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
trans-1,3-Dichloropropene	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
Trichloroethene	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
Trichlorofluoromethane	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
Vinyl acetate	5.00 U		10.0	3.10	ug/L	1		08/24/16 18:04
Vinyl chloride	0.500 U		1.00	0.310	ug/L	1		08/24/16 18:04
Xylenes (total)	1.50 U		3.00	1.00	ug/L	1		08/24/16 18:04
Surrogates								
1,2-Dichloroethane-D4 (surr)	104		81-118		%	1		08/24/16 18:04
4-Bromofluorobenzene (surr)	102		85-114		%	1		08/24/16 18:04
Toluene-d8 (surr)	102		89-112		%	1		08/24/16 18:04

Results of Trip Blank

Client Sample ID: **Trip Blank**
Client Project ID: **Seekins Ford 1197-02**
Lab Sample ID: 1168461007
Lab Project ID: 1168461

Collection Date: 08/23/16 08:37
Received Date: 08/24/16 09:18
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Volatile GC/MS

Batch Information

Analytical Batch: VMS16107
Analytical Method: SW8260B
Analyst: TJT
Analytical Date/Time: 08/24/16 18:04
Container ID: 1168461007-C

Prep Batch: VXX29422
Prep Method: SW5030B
Prep Date/Time: 08/24/16 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Method Blank

Blank ID: MB for HBN 1742201 [VXX/29422]
Blank Lab ID: 1347924

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1168461001, 1168461002, 1168461003, 1168461004, 1168461007

Results by SW8260B

Parameter	Results	LOQ/CL	DL	Units
1,1,1,2-Tetrachloroethane	0.250U	0.500	0.150	ug/L
1,1,1-Trichloroethane	0.500U	1.00	0.310	ug/L
1,1,2,2-Tetrachloroethane	0.250U	0.500	0.150	ug/L
1,1,2-Trichloroethane	0.500U	1.00	0.310	ug/L
1,1-Dichloroethane	0.500U	1.00	0.310	ug/L
1,1-Dichloroethene	0.500U	1.00	0.310	ug/L
1,1-Dichloropropene	0.500U	1.00	0.310	ug/L
1,2,3-Trichlorobenzene	0.500U	1.00	0.310	ug/L
1,2,3-Trichloropropane	0.500U	1.00	0.310	ug/L
1,2,4-Trichlorobenzene	0.500U	1.00	0.310	ug/L
1,2,4-Trimethylbenzene	0.500U	1.00	0.310	ug/L
1,2-Dibromo-3-chloropropane	5.00U	10.0	3.10	ug/L
1,2-Dibromoethane	0.500U	1.00	0.310	ug/L
1,2-Dichlorobenzene	0.500U	1.00	0.310	ug/L
1,2-Dichloroethane	0.250U	0.500	0.150	ug/L
1,2-Dichloropropane	0.500U	1.00	0.310	ug/L
1,3,5-Trimethylbenzene	0.500U	1.00	0.310	ug/L
1,3-Dichlorobenzene	0.500U	1.00	0.310	ug/L
1,3-Dichloropropane	0.250U	0.500	0.150	ug/L
1,4-Dichlorobenzene	0.250U	0.500	0.150	ug/L
2,2-Dichloropropane	0.500U	1.00	0.310	ug/L
2-Butanone (MEK)	5.00U	10.0	3.10	ug/L
2-Chlorotoluene	0.500U	1.00	0.310	ug/L
2-Hexanone	5.00U	10.0	3.10	ug/L
4-Chlorotoluene	0.500U	1.00	0.310	ug/L
4-Isopropyltoluene	0.500U	1.00	0.310	ug/L
4-Methyl-2-pentanone (MIBK)	5.00U	10.0	3.10	ug/L
Benzene	0.200U	0.400	0.120	ug/L
Bromobenzene	0.500U	1.00	0.310	ug/L
Bromochloromethane	0.500U	1.00	0.310	ug/L
Bromodichloromethane	0.250U	0.500	0.150	ug/L
Bromoform	0.500U	1.00	0.310	ug/L
Bromomethane	5.00U	10.0	3.10	ug/L
Carbon disulfide	5.00U	10.0	3.10	ug/L
Carbon tetrachloride	0.500U	1.00	0.310	ug/L
Chlorobenzene	0.250U	0.500	0.150	ug/L
Chloroethane	0.500U	1.00	0.310	ug/L
Chloroform	0.500U	1.00	0.300	ug/L

Method Blank

Blank ID: MB for HBN 1742201 [VXX/29422]
Blank Lab ID: 1347924

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1168461001, 1168461002, 1168461003, 1168461004, 1168461007

Results by SW8260B

Parameter	Results	LOQ/CL	DL	Units
Chloromethane	0.330J	1.00	0.310	ug/L
cis-1,2-Dichloroethene	0.500U	1.00	0.310	ug/L
cis-1,3-Dichloropropene	0.250U	0.500	0.150	ug/L
Dibromochloromethane	0.250U	0.500	0.150	ug/L
Dibromomethane	0.500U	1.00	0.310	ug/L
Dichlorodifluoromethane	0.500U	1.00	0.310	ug/L
Ethylbenzene	0.500U	1.00	0.310	ug/L
Freon-113	5.00U	10.0	3.10	ug/L
Hexachlorobutadiene	0.500U	1.00	0.310	ug/L
Isopropylbenzene (Cumene)	0.500U	1.00	0.310	ug/L
Methylene chloride	2.50U	5.00	1.00	ug/L
Methyl-t-butyl ether	5.00U	10.0	3.10	ug/L
Naphthalene	5.00U	10.0	3.10	ug/L
n-Butylbenzene	0.500U	1.00	0.310	ug/L
n-Propylbenzene	0.500U	1.00	0.310	ug/L
o-Xylene	0.500U	1.00	0.310	ug/L
P & M -Xylene	1.00U	2.00	0.620	ug/L
sec-Butylbenzene	0.500U	1.00	0.310	ug/L
Styrene	0.500U	1.00	0.310	ug/L
tert-Butylbenzene	0.500U	1.00	0.310	ug/L
Tetrachloroethene	0.500U	1.00	0.310	ug/L
Toluene	0.500U	1.00	0.310	ug/L
trans-1,2-Dichloroethene	0.500U	1.00	0.310	ug/L
trans-1,3-Dichloropropene	0.500U	1.00	0.310	ug/L
Trichloroethene	0.500U	1.00	0.310	ug/L
Trichlorofluoromethane	0.500U	1.00	0.310	ug/L
Vinyl acetate	5.00U	10.0	3.10	ug/L
Vinyl chloride	0.500U	1.00	0.310	ug/L
Xylenes (total)	1.50U	3.00	1.00	ug/L
Surrogates				
1,2-Dichloroethane-D4 (surr)	104	81-118		%
4-Bromofluorobenzene (surr)	102	85-114		%
Toluene-d8 (surr)	101	89-112		%

Method Blank

Blank ID: MB for HBN 1742201 [VXX/29422]
Blank Lab ID: 1347924

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1168461001, 1168461002, 1168461003, 1168461004, 1168461007

Results by SW8260B

Parameter	Results	LOQ/CL	DL	Units

Batch Information

Analytical Batch: VMS16107
Analytical Method: SW8260B
Instrument: VPA 780/5975 GC/MS
Analyst: TJT
Analytical Date/Time: 8/24/2016 1:46:00PM

Prep Batch: VXX29422
Prep Method: SW5030B
Prep Date/Time: 8/24/2016 6:00:00AM
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

SGS North America Inc.
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Blank Spike Summary

Blank Spike ID: LCS for HBN 1168461 [VXX29422]
Blank Spike Lab ID: 1347925
Date Analyzed: 08/24/2016 14:02

Spike Duplicate ID: LCSD for HBN 1168461 [VXX29422]
Spike Duplicate Lab ID: 1347926
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1168461001, 1168461002, 1168461003, 1168461004, 1168461007

Results by SW8260B

	Blank Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
1,1,1,2-Tetrachloroethane	30	31.2	104	30	31.1	104	(78-124)	0.35	(< 20)
1,1,1-Trichloroethane	30	34.5	115	30	35.9	120	(74-131)	4.20	(< 20)
1,1,2,2-Tetrachloroethane	30	30.9	103	30	31.9	106	(71-121)	3.20	(< 20)
1,1,2-Trichloroethane	30	29.6	99	30	29.9	100	(80-119)	0.74	(< 20)
1,1-Dichloroethane	30	32.1	107	30	33.2	111	(77-125)	3.60	(< 20)
1,1-Dichloroethene	30	28.4	95	30	30.5	102	(71-131)	7.20	(< 20)
1,1-Dichloropropene	30	31.6	105	30	33.0	110	(79-125)	4.20	(< 20)
1,2,3-Trichlorobenzene	30	32.7	109	30	34.4	115	(69-129)	5.10	(< 20)
1,2,3-Trichloropropane	30	30.5	102	30	31.2	104	(73-122)	2.10	(< 20)
1,2,4-Trichlorobenzene	30	32.2	107	30	33.9	113	(69-130)	5.10	(< 20)
1,2,4-Trimethylbenzene	30	32.0	107	30	33.4	111	(79-124)	4.30	(< 20)
1,2-Dibromo-3-chloropropane	30	32.5	108	30	33.6	112	(62-128)	3.30	(< 20)
1,2-Dibromoethane	30	31.2	104	30	31.1	104	(77-121)	0.16	(< 20)
1,2-Dichlorobenzene	30	30.2	101	30	31.2	104	(80-119)	3.30	(< 20)
1,2-Dichloroethane	30	30.8	103	30	31.5	105	(73-128)	2.40	(< 20)
1,2-Dichloropropane	30	34.8	116	30	35.8	119	(78-122)	3.00	(< 20)
1,3,5-Trimethylbenzene	30	32.4	108	30	33.2	111	(75-124)	2.40	(< 20)
1,3-Dichlorobenzene	30	30.5	102	30	31.9	106	(80-119)	4.50	(< 20)
1,3-Dichloropropane	30	29.7	99	30	29.8	99	(80-119)	0.44	(< 20)
1,4-Dichlorobenzene	30	31.0	103	30	32.2	107	(79-118)	3.80	(< 20)
2,2-Dichloropropane	30	31.4	105	30	32.8	109	(60-139)	4.20	(< 20)
2-Butanone (MEK)	90	103	114	90	105	117	(56-143)	2.70	(< 20)
2-Chlorotoluene	30	31.4	105	30	32.5	108	(79-122)	3.40	(< 20)
2-Hexanone	90	97.6	108	90	100	111	(57-139)	2.50	(< 20)
4-Chlorotoluene	30	32.4	108	30	33.1	110	(78-122)	2.20	(< 20)
4-Isopropyltoluene	30	30.0	100	30	31.1	104	(77-127)	3.50	(< 20)
4-Methyl-2-pentanone (MIBK)	90	96.1	107	90	99.4	110	(67-130)	3.30	(< 20)
Benzene	30	33.8	113	30	34.9	116	(79-120)	3.40	(< 20)
Bromobenzene	30	30.5	102	30	31.3	104	(80-120)	2.70	(< 20)
Bromochloromethane	30	32.4	108	30	33.3	111	(78-123)	2.60	(< 20)
Bromodichloromethane	30	35.4	118	30	35.9	120	(79-125)	1.60	(< 20)
Bromoform	30	30.9	103	30	30.1	100	(66-130)	2.50	(< 20)
Bromomethane	30	31.7	106	30	36.3	121	(53-141)	13.70	(< 20)
Carbon disulfide	45	42.8	95	45	45.7	101	(64-133)	6.60	(< 20)

Blank Spike Summary

Blank Spike ID: LCS for HBN 1168461 [VXX29422]
Blank Spike Lab ID: 1347925
Date Analyzed: 08/24/2016 14:02

Spike Duplicate ID: LCSD for HBN 1168461 [VXX29422]
Spike Duplicate Lab ID: 1347926
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1168461001, 1168461002, 1168461003, 1168461004, 1168461007

Results by SW8260B

	Blank Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Carbon tetrachloride	30	31.8	106	30	33.3	111	(72-136)	4.50	(< 20)
Chlorobenzene	30	30.5	102	30	31.5	105	(82-118)	3.20	(< 20)
Chloroethane	30	26.7	89	30	28.7	96	(60-138)	7.10	(< 20)
Chloroform	30	30.3	101	30	31.2	104	(79-124)	2.90	(< 20)
Chloromethane	30	32.4	108	30	42.3	141	* (50-139)	26.40	* (< 20)
cis-1,2-Dichloroethene	30	32.1	107	30	33.1	110	(78-123)	2.90	(< 20)
cis-1,3-Dichloropropene	30	32.4	108	30	33.3	111	(75-124)	2.90	(< 20)
Dibromochloromethane	30	30.8	103	30	30.7	102	(74-126)	0.46	(< 20)
Dibromomethane	30	33.1	110	30	33.9	113	(79-123)	2.60	(< 20)
Dichlorodifluoromethane	30	32.7	109	30	35.7	119	(32-152)	8.70	(< 20)
Ethylbenzene	30	32.7	109	30	33.3	111	(79-121)	1.80	(< 20)
Freon-113	45	46.1	103	45	48.8	108	(70-136)	5.60	(< 20)
Hexachlorobutadiene	30	32.1	107	30	34.5	115	(66-134)	7.20	(< 20)
Isopropylbenzene (Cumene)	30	30.2	101	30	31.2	104	(72-131)	3.20	(< 20)
Methylene chloride	30	30.9	103	30	32.3	108	(74-124)	4.40	(< 20)
Methyl-t-butyl ether	45	46.6	104	45	48.0	107	(71-124)	2.80	(< 20)
Naphthalene	30	29.9	100	30	31.7	106	(61-128)	6.00	(< 20)
n-Butylbenzene	30	30.8	103	30	31.8	106	(75-128)	3.30	(< 20)
n-Propylbenzene	30	32.0	107	30	33.3	111	(76-126)	3.90	(< 20)
o-Xylene	30	32.5	108	30	33.3	111	(78-122)	2.60	(< 20)
P & M -Xylene	60	64.9	108	60	66.9	111	(80-121)	3.00	(< 20)
sec-Butylbenzene	30	33.1	110	30	34.6	115	(77-126)	4.70	(< 20)
Styrene	30	30.0	100	30	30.6	102	(78-123)	2.10	(< 20)
tert-Butylbenzene	30	32.6	109	30	34.0	113	(78-124)	4.40	(< 20)
Tetrachloroethene	30	29.5	98	30	30.1	100	(74-129)	2.00	(< 20)
Toluene	30	28.7	96	30	29.4	98	(80-121)	2.50	(< 20)
trans-1,2-Dichloroethene	30	31.8	106	30	33.4	111	(75-124)	4.90	(< 20)
trans-1,3-Dichloropropene	30	30.9	103	30	30.6	102	(73-127)	0.88	(< 20)
Trichloroethene	30	34.7	116	30	35.9	120	(79-123)	3.30	(< 20)
Trichlorofluoromethane	30	32.7	109	30	35.2	117	(65-141)	7.20	(< 20)
Vinyl acetate	30	34.3	114	30	35.0	117	(54-146)	2.20	(< 20)
Vinyl chloride	30	34.6	115	30	38.8	129	(58-137)	11.30	(< 20)
Xylenes (total)	90	97.4	108	90	100	111	(79-121)	2.90	(< 20)

Blank Spike Summary

Blank Spike ID: LCS for HBN 1168461 [VXX29422]
Blank Spike Lab ID: 1347925
Date Analyzed: 08/24/2016 14:02

Spike Duplicate ID: LCSD for HBN 1168461 [VXX29422]
Spike Duplicate Lab ID: 1347926
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1168461001, 1168461002, 1168461003, 1168461004, 1168461007

Results by SW8260B

	Blank Spike (%)			Spike Duplicate (%)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Surrogates									
1,2-Dichloroethane-D4 (surr)	30	101	101	30	102	102	(81-118)	1.10	
4-Bromofluorobenzene (surr)	30	98.4	98	30	100	100	(85-114)	2.00	
Toluene-d8 (surr)	30	92.9	93	30	93.4	93	(89-112)	0.57	

Batch Information

Analytical Batch: **VMS16107**
Analytical Method: **SW8260B**
Instrument: **VPA 780/5975 GC/MS**
Analyst: **TJT**

Prep Batch: **VXX29422**
Prep Method: **SW5030B**
Prep Date/Time: **08/24/2016 06:00**
Spike Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL
Dupe Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL

Method Blank

Blank ID: MB for HBN 1742355 [VXX/29454]
Blank Lab ID: 1348649

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1168461005, 1168461006

Results by SW8260B

Parameter	Results	LOQ/CL	DL	Units
1,1,1,2-Tetrachloroethane	0.250U	0.500	0.150	ug/L
1,1,1-Trichloroethane	0.500U	1.00	0.310	ug/L
1,1,2,2-Tetrachloroethane	0.250U	0.500	0.150	ug/L
1,1,2-Trichloroethane	0.500U	1.00	0.310	ug/L
1,1-Dichloroethane	0.500U	1.00	0.310	ug/L
1,1-Dichloroethene	0.500U	1.00	0.310	ug/L
1,1-Dichloropropene	0.500U	1.00	0.310	ug/L
1,2,3-Trichlorobenzene	0.500U	1.00	0.310	ug/L
1,2,3-Trichloropropane	0.500U	1.00	0.310	ug/L
1,2,4-Trichlorobenzene	0.500U	1.00	0.310	ug/L
1,2,4-Trimethylbenzene	0.500U	1.00	0.310	ug/L
1,2-Dibromo-3-chloropropane	5.00U	10.0	3.10	ug/L
1,2-Dibromoethane	0.500U	1.00	0.310	ug/L
1,2-Dichlorobenzene	0.500U	1.00	0.310	ug/L
1,2-Dichloroethane	0.250U	0.500	0.150	ug/L
1,2-Dichloropropane	0.500U	1.00	0.310	ug/L
1,3,5-Trimethylbenzene	0.500U	1.00	0.310	ug/L
1,3-Dichlorobenzene	0.500U	1.00	0.310	ug/L
1,3-Dichloropropane	0.250U	0.500	0.150	ug/L
1,4-Dichlorobenzene	0.250U	0.500	0.150	ug/L
2,2-Dichloropropane	0.500U	1.00	0.310	ug/L
2-Butanone (MEK)	5.00U	10.0	3.10	ug/L
2-Chlorotoluene	0.500U	1.00	0.310	ug/L
2-Hexanone	5.00U	10.0	3.10	ug/L
4-Chlorotoluene	0.500U	1.00	0.310	ug/L
4-Isopropyltoluene	0.500U	1.00	0.310	ug/L
4-Methyl-2-pentanone (MIBK)	5.00U	10.0	3.10	ug/L
Benzene	0.200U	0.400	0.120	ug/L
Bromobenzene	0.500U	1.00	0.310	ug/L
Bromochloromethane	0.500U	1.00	0.310	ug/L
Bromodichloromethane	0.250U	0.500	0.150	ug/L
Bromoform	0.500U	1.00	0.310	ug/L
Bromomethane	5.00U	10.0	3.10	ug/L
Carbon disulfide	5.00U	10.0	3.10	ug/L
Carbon tetrachloride	0.500U	1.00	0.310	ug/L
Chlorobenzene	0.250U	0.500	0.150	ug/L
Chloroethane	0.500U	1.00	0.310	ug/L
Chloroform	0.500U	1.00	0.300	ug/L

Method Blank

Blank ID: MB for HBN 1742355 [VXX/29454]
Blank Lab ID: 1348649

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1168461005, 1168461006

Results by SW8260B

Parameter	Results	LOQ/CL	DL	Units
Chloromethane	0.340J	1.00	0.310	ug/L
cis-1,2-Dichloroethene	0.500U	1.00	0.310	ug/L
cis-1,3-Dichloropropene	0.250U	0.500	0.150	ug/L
Dibromochloromethane	0.250U	0.500	0.150	ug/L
Dibromomethane	0.500U	1.00	0.310	ug/L
Dichlorodifluoromethane	0.500U	1.00	0.310	ug/L
Ethylbenzene	0.500U	1.00	0.310	ug/L
Freon-113	5.00U	10.0	3.10	ug/L
Hexachlorobutadiene	0.500U	1.00	0.310	ug/L
Isopropylbenzene (Cumene)	0.500U	1.00	0.310	ug/L
Methylene chloride	2.50U	5.00	1.00	ug/L
Methyl-t-butyl ether	5.00U	10.0	3.10	ug/L
Naphthalene	5.00U	10.0	3.10	ug/L
n-Butylbenzene	0.500U	1.00	0.310	ug/L
n-Propylbenzene	0.500U	1.00	0.310	ug/L
o-Xylene	0.500U	1.00	0.310	ug/L
P & M -Xylene	1.00U	2.00	0.620	ug/L
sec-Butylbenzene	0.500U	1.00	0.310	ug/L
Styrene	0.500U	1.00	0.310	ug/L
tert-Butylbenzene	0.500U	1.00	0.310	ug/L
Tetrachloroethene	0.500U	1.00	0.310	ug/L
Toluene	0.500U	1.00	0.310	ug/L
trans-1,2-Dichloroethene	0.500U	1.00	0.310	ug/L
trans-1,3-Dichloropropene	0.500U	1.00	0.310	ug/L
Trichloroethene	0.500U	1.00	0.310	ug/L
Trichlorofluoromethane	0.500U	1.00	0.310	ug/L
Vinyl acetate	5.00U	10.0	3.10	ug/L
Vinyl chloride	0.500U	1.00	0.310	ug/L
Xylenes (total)	1.50U	3.00	1.00	ug/L
Surrogates				
1,2-Dichloroethane-D4 (surr)	96.9	81-118		%
4-Bromofluorobenzene (surr)	103	85-114		%
Toluene-d8 (surr)	106	89-112		%

Method Blank

Blank ID: MB for HBN 1742355 [VXX/29454]
Blank Lab ID: 1348649

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1168461005, 1168461006

Results by SW8260B

Parameter	Results	LOQ/CL	DL	Units

Batch Information

Analytical Batch: VMS16121
Analytical Method: SW8260B
Instrument: VPA 780/5975 GC/MS
Analyst: TJT
Analytical Date/Time: 8/26/2016 2:04:00PM

Prep Batch: VXX29454
Prep Method: SW5030B
Prep Date/Time: 8/26/2016 6:00:00AM
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1168461 [VXX29454]
Blank Spike Lab ID: 1348650
Date Analyzed: 08/26/2016 14:21

Spike Duplicate ID: LCSD for HBN 1168461 [VXX29454]
Spike Duplicate Lab ID: 1348651
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1168461005, 1168461006

Results by SW8260B

	Blank Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
1,1,1,2-Tetrachloroethane	30	30.1	100	30	30.6	102	(78-124)	1.70	(< 20)
1,1,1-Trichloroethane	30	33.2	111	30	33.4	111	(74-131)	0.51	(< 20)
1,1,2,2-Tetrachloroethane	30	31.5	105	30	31.2	104	(71-121)	1.20	(< 20)
1,1,2-Trichloroethane	30	28.9	96	30	30.0	100	(80-119)	3.50	(< 20)
1,1-Dichloroethane	30	31.3	104	30	31.2	104	(77-125)	0.35	(< 20)
1,1-Dichloroethene	30	29.5	99	30	30.1	100	(71-131)	1.70	(< 20)
1,1-Dichloropropene	30	30.5	102	30	30.8	103	(79-125)	1.00	(< 20)
1,2,3-Trichlorobenzene	30	33.8	113	30	34.0	113	(69-129)	0.53	(< 20)
1,2,3-Trichloropropane	30	31.5	105	30	31.1	104	(73-122)	1.30	(< 20)
1,2,4-Trichlorobenzene	30	33.8	113	30	33.8	113	(69-130)	0.03	(< 20)
1,2,4-Trimethylbenzene	30	33.2	111	30	33.5	112	(79-124)	0.66	(< 20)
1,2-Dibromo-3-chloropropane	30	33.2	111	30	33.9	113	(62-128)	2.20	(< 20)
1,2-Dibromoethane	30	30.7	102	30	31.5	105	(77-121)	2.50	(< 20)
1,2-Dichlorobenzene	30	30.4	101	30	30.8	103	(80-119)	1.20	(< 20)
1,2-Dichloroethane	30	29.7	99	30	29.1	97	(73-128)	1.80	(< 20)
1,2-Dichloropropane	30	33.3	111	30	33.1	110	(78-122)	0.72	(< 20)
1,3,5-Trimethylbenzene	30	32.8	109	30	33.6	112	(75-124)	2.40	(< 20)
1,3-Dichlorobenzene	30	31.2	104	30	31.8	106	(80-119)	1.80	(< 20)
1,3-Dichloropropane	30	29.1	97	30	29.9	100	(80-119)	2.50	(< 20)
1,4-Dichlorobenzene	30	31.6	105	30	31.7	106	(79-118)	0.19	(< 20)
2,2-Dichloropropane	30	30.6	102	30	30.8	103	(60-139)	0.65	(< 20)
2-Butanone (MEK)	90	102	113	90	101	112	(56-143)	0.71	(< 20)
2-Chlorotoluene	30	31.9	106	30	32.4	108	(79-122)	1.30	(< 20)
2-Hexanone	90	99.5	111	90	99.6	111	(57-139)	0.11	(< 20)
4-Chlorotoluene	30	32.6	109	30	33.3	111	(78-122)	2.20	(< 20)
4-Isopropyltoluene	30	30.9	103	30	31.2	104	(77-127)	0.74	(< 20)
4-Methyl-2-pentanone (MIBK)	90	94.4	105	90	93.4	104	(67-130)	1.00	(< 20)
Benzene	30	32.4	108	30	32.8	109	(79-120)	1.20	(< 20)
Bromobenzene	30	31.7	106	30	31.4	105	(80-120)	0.98	(< 20)
Bromochloromethane	30	31.3	104	30	30.9	103	(78-123)	1.40	(< 20)
Bromodichloromethane	30	33.4	111	30	33.0	110	(79-125)	1.40	(< 20)
Bromoform	30	29.7	99	30	30.3	101	(66-130)	2.00	(< 20)
Bromomethane	30	31.7	106	30	34.1	114	(53-141)	7.30	(< 20)
Carbon disulfide	45	44.4	99	45	45.4	101	(64-133)	2.20	(< 20)

Blank Spike Summary

Blank Spike ID: LCS for HBN 1168461 [VXX29454]
Blank Spike Lab ID: 1348650
Date Analyzed: 08/26/2016 14:21

Spike Duplicate ID: LCSD for HBN 1168461 [VXX29454]
Spike Duplicate Lab ID: 1348651
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1168461005, 1168461006

Results by SW8260B

	Blank Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Carbon tetrachloride	30	30.3	101	30	30.5	102	(72-136)	0.76	(< 20)
Chlorobenzene	30	30.6	102	30	31.0	103	(82-118)	1.50	(< 20)
Chloroethane	30	25.4	85	30	26.2	87	(60-138)	2.90	(< 20)
Chloroform	30	29.1	97	30	28.9	96	(79-124)	0.72	(< 20)
Chloromethane	30	29.3	98	30	37.6	125	(50-139)	24.80	* (< 20)
cis-1,2-Dichloroethene	30	32.1	107	30	31.8	106	(78-123)	1.20	(< 20)
cis-1,3-Dichloropropene	30	30.9	103	30	31.1	104	(75-124)	0.48	(< 20)
Dibromochloromethane	30	29.5	98	30	30.3	101	(74-126)	2.70	(< 20)
Dibromomethane	30	32.4	108	30	31.3	104	(79-123)	3.60	(< 20)
Dichlorodifluoromethane	30	28.0	93	30	29.0	97	(32-152)	3.60	(< 20)
Ethylbenzene	30	32.4	108	30	33.2	111	(79-121)	2.30	(< 20)
Freon-113	45	47.1	105	45	47.8	106	(70-136)	1.50	(< 20)
Hexachlorobutadiene	30	34.4	115	30	35.1	117	(66-134)	2.00	(< 20)
Isopropylbenzene (Cumene)	30	30.2	101	30	31.0	103	(72-131)	2.70	(< 20)
Methylene chloride	30	30.6	102	30	30.7	102	(74-124)	0.39	(< 20)
Methyl-t-butyl ether	45	46.1	102	45	45.7	102	(71-124)	0.85	(< 20)
Naphthalene	30	31.2	104	30	31.5	105	(61-128)	0.86	(< 20)
n-Butylbenzene	30	31.1	104	30	31.9	106	(75-128)	2.60	(< 20)
n-Propylbenzene	30	32.6	109	30	33.3	111	(76-126)	2.20	(< 20)
o-Xylene	30	32.6	109	30	33.6	112	(78-122)	3.00	(< 20)
P & M -Xylene	60	65.2	109	60	67.2	112	(80-121)	2.90	(< 20)
sec-Butylbenzene	30	34.1	114	30	34.7	116	(77-126)	1.80	(< 20)
Styrene	30	29.9	100	30	30.3	101	(78-123)	1.40	(< 20)
tert-Butylbenzene	30	33.5	112	30	34.1	114	(78-124)	1.80	(< 20)
Tetrachloroethene	30	29.6	99	30	30.4	101	(74-129)	2.70	(< 20)
Toluene	30	29.0	97	30	29.6	99	(80-121)	2.00	(< 20)
trans-1,2-Dichloroethene	30	31.7	106	30	31.8	106	(75-124)	0.25	(< 20)
trans-1,3-Dichloropropene	30	30.0	100	30	30.6	102	(73-127)	2.00	(< 20)
Trichloroethene	30	32.8	109	30	33.3	111	(79-123)	1.50	(< 20)
Trichlorofluoromethane	30	30.5	102	30	30.8	103	(65-141)	1.10	(< 20)
Vinyl acetate	30	32.7	109	30	32.7	109	(54-146)	0.03	(< 20)
Vinyl chloride	30	32.0	107	30	33.8	113	(58-137)	5.30	(< 20)
Xylenes (total)	90	97.8	109	90	101	112	(79-121)	3.00	(< 20)

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1168461 [VXX29454]
Blank Spike Lab ID: 1348650
Date Analyzed: 08/26/2016 14:21

Spike Duplicate ID: LCSD for HBN 1168461 [VXX29454]
Spike Duplicate Lab ID: 1348651
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1168461005, 1168461006

Results by SW8260B

	Blank Spike (%)			Spike Duplicate (%)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Surrogates									
1,2-Dichloroethane-D4 (surr)	30	102	102	30	98.6	99	(81-118)	3.40	
4-Bromofluorobenzene (surr)	30	102	102	30	99.2	99	(85-114)	2.50	
Toluene-d8 (surr)	30	95.7	96	30	96	96	(89-112)	0.35	

Batch Information

Analytical Batch: **VMS16121**
Analytical Method: **SW8260B**
Instrument: **VPA 780/5975 GC/MS**
Analyst: **TJT**

Prep Batch: **VXX29454**
Prep Method: **SW5030B**
Prep Date/Time: **08/26/2016 06:00**
Spike Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL
Dupe Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL

Method Blank

Blank ID: MB for HBN 1742542 [VXX/29473]
Blank Lab ID: 1349499

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1168461005

Results by SW8260B

Parameter	Results	LOQ/CL	DL	Units
1,2,4-Trimethylbenzene	0.500U	1.00	0.310	ug/L
Ethylbenzene	0.500U	1.00	0.310	ug/L
o-Xylene	0.500U	1.00	0.310	ug/L
P & M -Xylene	1.00U	2.00	0.620	ug/L
Surrogates				
1,2-Dichloroethane-D4 (surr)	102	81-118		%
4-Bromofluorobenzene (surr)	102	85-114		%
Toluene-d8 (surr)	100	89-112		%

Batch Information

Analytical Batch: VMS16133
Analytical Method: SW8260B
Instrument: VSA Agilent GC/MS 7890B/5977A
Analyst: TJT
Analytical Date/Time: 8/31/2016 5:27:00PM

Prep Batch: VXX29473
Prep Method: SW5030B
Prep Date/Time: 8/31/2016 6:00:00AM
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1168461 [VXX29473]
Blank Spike Lab ID: 1349500
Date Analyzed: 08/31/2016 18:45

Spike Duplicate ID: LCSD for HBN 1168461 [VXX29473]
Spike Duplicate Lab ID: 1349501
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1168461005

Results by SW8260B

	Blank Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
1,2,4-Trimethylbenzene	30	30.7	102	30	31.1	104	(79-124)	1.60	(< 20)
Ethylbenzene	30	33.2	111	30	33.2	111	(79-121)	0.21	(< 20)
o-Xylene	30	33.7	112	30	33.7	112	(78-122)	0.06	(< 20)
P & M -Xylene	60	66.4	111	60	67.4	112	(80-121)	1.50	(< 20)
Surrogates									
1,2-Dichloroethane-D4 (surr)	30	99	99	30	98.2	98	(81-118)	0.85	
4-Bromofluorobenzene (surr)	30	98.5	99	30	97.3	97	(85-114)	1.30	
Toluene-d8 (surr)	30	99.1	99	30	98.5	99	(89-112)	0.64	

Batch Information

Analytical Batch: **VMS16133**
Analytical Method: **SW8260B**
Instrument: **VSA Agilent GC/MS 7890B/5977A**
Analyst: **TJT**

Prep Batch: **VXX29473**
Prep Method: **SW5030B**
Prep Date/Time: **08/31/2016 06:00**
Spike Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL
Dupe Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL

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Method Blank

Blank ID: MB for HBN 1742562 [VXX/29474]
Blank Lab ID: 1349577

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1168461002, 1168461003, 1168461004, 1168461005, 1168461006

Results by AK101

Parameter	Results	LOQ/CL	DL	Units
Gasoline Range Organics	0.0500U	0.100	0.0310	mg/L
Surrogates				
4-Bromofluorobenzene (surr)	91.8	50-150		%

Batch Information

Analytical Batch: VFC13270
Analytical Method: AK101
Instrument: Agilent 7890 PID/FID
Analyst: ST
Analytical Date/Time: 9/1/2016 12:28:00PM

Prep Batch: VXX29474
Prep Method: SW5030B
Prep Date/Time: 9/1/2016 6:00:00AM
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1168461 [VXX29474]
Blank Spike Lab ID: 1349578
Date Analyzed: 09/01/2016 13:25

Spike Duplicate ID: LCSD for HBN 1168461 [VXX29474]
Spike Duplicate Lab ID: 1349579
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1168461002, 1168461003, 1168461004, 1168461005, 1168461006

Results by AK101

	Blank Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Gasoline Range Organics	1.00	0.890	89	1.00	0.917	92	(60-120)	3.00	(< 20)
Surrogates									
4-Bromofluorobenzene (surr)	0.0500	102	102	0.0500	103	103	(50-150)	0.51	

Batch Information

Analytical Batch: **VFC13270**
Analytical Method: **AK101**
Instrument: **Agilent 7890 PID/FID**
Analyst: **ST**

Prep Batch: **VXX29474**
Prep Method: **SW5030B**
Prep Date/Time: **09/01/2016 06:00**
Spike Init Wt./Vol.: 1.00 mg/L Extract Vol: 5 mL
Dupe Init Wt./Vol.: 1.00 mg/L Extract Vol: 5 mL

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Method Blank

Blank ID: MB for HBN 1742567 [VXX/29475]
Blank Lab ID: 1349592

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1168461007

Results by AK101

Parameter	Results	LOQ/CL	DL	Units
Gasoline Range Organics	0.0500U	0.100	0.0310	mg/L
Surrogates				
4-Bromofluorobenzene (surr)	93.2	50-150		%

Batch Information

Analytical Batch: VFC13270
Analytical Method: AK101
Instrument: Agilent 7890 PID/FID
Analyst: ST
Analytical Date/Time: 9/2/2016 12:22:00AM

Prep Batch: VXX29475
Prep Method: SW5030B
Prep Date/Time: 9/1/2016 6:00:00AM
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1168461 [VXX29475]
Blank Spike Lab ID: 1349593
Date Analyzed: 09/01/2016 23:43

Spike Duplicate ID: LCSD for HBN 1168461 [VXX29475]
Spike Duplicate Lab ID: 1349594
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1168461007

Results by AK101

	Blank Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Gasoline Range Organics	1.00	0.856	86	1.00	0.930	93	(60-120)	8.20	(< 20)
Surrogates									
4-Bromofluorobenzene (surr)	0.0500	93.5	94	0.0500	101	101	(50-150)	7.40	

Batch Information

Analytical Batch: **VFC13270**
Analytical Method: **AK101**
Instrument: **Agilent 7890 PID/FID**
Analyst: **ST**

Prep Batch: **VXX29475**
Prep Method: **SW5030B**
Prep Date/Time: **09/01/2016 06:00**
Spike Init Wt./Vol.: 1.00 mg/L Extract Vol: 5 mL
Dupe Init Wt./Vol.: 1.00 mg/L Extract Vol: 5 mL

Method Blank

Blank ID: MB for HBN 1742602 [VXX/29480]
Blank Lab ID: 1349733

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1168461001

Results by SW8260B

Parameter	Results	LOQ/CL	DL	Units
1,2,4-Trimethylbenzene	0.500U	1.00	0.310	ug/L
Ethylbenzene	0.500U	1.00	0.310	ug/L
o-Xylene	0.500U	1.00	0.310	ug/L
P & M -Xylene	1.00U	2.00	0.620	ug/L
Xylenes (total)	1.50U	3.00	1.00	ug/L
Surrogates				
1,2-Dichloroethane-D4 (surr)	102	81-118		%
4-Bromofluorobenzene (surr)	103	85-114		%
Toluene-d8 (surr)	101	89-112		%

Batch Information

Analytical Batch: VMS16135
Analytical Method: SW8260B
Instrument: VSA Agilent GC/MS 7890B/5977A
Analyst: TJT
Analytical Date/Time: 9/1/2016 7:32:00AM

Prep Batch: VXX29480
Prep Method: SW5030B
Prep Date/Time: 9/1/2016 6:00:00AM
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1168461 [VXX29480]
Blank Spike Lab ID: 1349734
Date Analyzed: 09/01/2016 07:49

Spike Duplicate ID: LCSD for HBN 1168461 [VXX29480]
Spike Duplicate Lab ID: 1349735
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1168461001

Results by SW8260B

	Blank Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
1,2,4-Trimethylbenzene	30	29.5	98	30	30.4	101	(79-124)	2.90	(< 20)
Ethylbenzene	30	32.8	109	30	33.5	112	(79-121)	2.10	(< 20)
o-Xylene	30	33.4	111	30	33.8	113	(78-122)	1.20	(< 20)
P & M -Xylene	60	66.4	111	60	67.2	112	(80-121)	1.30	(< 20)
Xylenes (total)	90	99.7	111	90	101	112	(79-121)	1.30	(< 20)
Surrogates									
1,2-Dichloroethane-D4 (surr)	30	99.3	99	30	98.5	99	(81-118)	0.81	
4-Bromofluorobenzene (surr)	30	95.5	96	30	97.2	97	(85-114)	1.70	
Toluene-d8 (surr)	30	99.7	100	30	101	101	(89-112)	0.90	

Batch Information

Analytical Batch: **VMS16135**
Analytical Method: **SW8260B**
Instrument: **VSA Agilent GC/MS 7890B/5977A**
Analyst: **TJT**

Prep Batch: **VXX29480**
Prep Method: **SW5030B**
Prep Date/Time: **09/01/2016 06:00**
Spike Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL
Dupe Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL

Method Blank

Blank ID: MB for HBN 1742634 [VXX/29488]
Blank Lab ID: 1349868

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1168461001

Results by AK101

Parameter	Results	LOQ/CL	DL	Units
Gasoline Range Organics	0.0500U	0.100	0.0310	mg/L
Surrogates				
4-Bromofluorobenzene (surr)	89.8	50-150		%

Batch Information

Analytical Batch: VFC13273
Analytical Method: AK101
Instrument: Agilent 7890 PID/FID
Analyst: ST
Analytical Date/Time: 9/2/2016 7:47:00PM

Prep Batch: VXX29488
Prep Method: SW5030B
Prep Date/Time: 9/2/2016 6:00:00AM
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1168461 [VXX29488]
Blank Spike Lab ID: 1349869
Date Analyzed: 09/02/2016 19:09

Spike Duplicate ID: LCSD for HBN 1168461 [VXX29488]
Spike Duplicate Lab ID: 1349870
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1168461001

Results by AK101

	Blank Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Gasoline Range Organics	1.00	1.02	102	1.00	0.988	99	(60-120)	2.80	(< 20)
Surrogates									
4-Bromofluorobenzene (surr)	0.0500	99.4	99	0.0500	97.8	98	(50-150)	1.60	

Batch Information

Analytical Batch: **VFC13273**
Analytical Method: **AK101**
Instrument: **Agilent 7890 PID/FID**
Analyst: **ST**

Prep Batch: **VXX29488**
Prep Method: **SW5030B**
Prep Date/Time: **09/02/2016 06:00**
Spike Init Wt./Vol.: 1.00 mg/L Extract Vol: 5 mL
Dupe Init Wt./Vol.: 1.00 mg/L Extract Vol: 5 mL

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Method Blank

Blank ID: MB for HBN 1742528 [XXX/36196]
Blank Lab ID: 1349417

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1168461001, 1168461002, 1168461003, 1168461004, 1168461005

Results by AK102

Parameter	Results	LOQ/CL	DL	Units
Diesel Range Organics	0.300U	0.600	0.180	mg/L
Surrogates				
5a Androstane (surr)	92.3	60-120		%

Batch Information

Analytical Batch: XFC12777
Analytical Method: AK102
Instrument: Agilent 7890B R
Analyst: CRA
Analytical Date/Time: 9/3/2016 7:28:00PM

Prep Batch: XXX36196
Prep Method: SW3520C
Prep Date/Time: 9/1/2016 3:52:58PM
Prep Initial Wt./Vol.: 250 mL
Prep Extract Vol: 1 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1168461 [XXX36196]
Blank Spike Lab ID: 1349418
Date Analyzed: 09/03/2016 19:38

Spike Duplicate ID: LCSD for HBN 1168461 [XXX36196]
Spike Duplicate Lab ID: 1349419
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1168461001, 1168461002, 1168461003, 1168461004, 1168461005

Results by AK102

	Blank Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Diesel Range Organics	20	21.4	107	20	18.9	94	(75-125)	12.90	(< 20)
Surrogates									
5a Androstane (surr)	0.4	101	101	0.4	98.7	99	(60-120)	2.50	

Batch Information

Analytical Batch: **XFC12777**
Analytical Method: **AK102**
Instrument: **Agilent 7890B R**
Analyst: **CRA**

Prep Batch: **XXX36196**
Prep Method: **SW3520C**
Prep Date/Time: **09/01/2016 15:52**
Spike Init Wt./Vol.: 20 mg/L Extract Vol: 1 mL
Dupe Init Wt./Vol.: 20 mg/L Extract Vol: 1 mL

Method Blank

Blank ID: MB for HBN 1742600 [XXX/36207]
Blank Lab ID: 1349725

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1168461006

Results by AK102

Parameter	Results	LOQ/CL	DL	Units
Diesel Range Organics	0.300U	0.600	0.180	mg/L
Surrogates				
5a Androstane (surr)	89.5	60-120		%

Batch Information

Analytical Batch: XFC12805
Analytical Method: AK102
Instrument: Agilent 7890B R
Analyst: NRO
Analytical Date/Time: 9/7/2016 2:02:00AM

Prep Batch: XXX36207
Prep Method: SW3520C
Prep Date/Time: 9/2/2016 4:31:47PM
Prep Initial Wt./Vol.: 250 mL
Prep Extract Vol: 1 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1168461 [XXX36207]
Blank Spike Lab ID: 1349726
Date Analyzed: 09/07/2016 02:13

Spike Duplicate ID: LCSD for HBN 1168461 [XXX36207]
Spike Duplicate Lab ID: 1349727
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1168461006

Results by AK102

	Blank Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec.(%)	CL	RPD (%)	RPD CL
Diesel Range Organics	20	22.4	112	20	21.1	105	(75-125)	6.10	(< 20)
Surrogates									
5a Androstane (surr)	0.4	101	101	0.4	92.6	93	(60-120)	8.40	

Batch Information

Analytical Batch: **XFC12805**
Analytical Method: **AK102**
Instrument: **Agilent 7890B R**
Analyst: **NRO**

Prep Batch: **XXX36207**
Prep Method: **SW3520C**
Prep Date/Time: **09/02/2016 16:31**
Spike Init Wt./Vol.: 20 mg/L Extract Vol: 1 mL
Dupe Init Wt./Vol.: 20 mg/L Extract Vol: 1 mL

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Instructions: Sections 1 - 5 must be filled out.
Omissions may delay the onset of analysis.

Page 1 of 1

Section 1

CLIENT: Travis/Peterson Environmental

CONTACT: Eddie PHONE NO: 455-7225

PROJECT NAME: Seekins Ford 1197.02 PROJECT/ PWSID/ PERMIT#:

REPORTS TO: E-MAIL: eddie@TPEC1.com

INVOICE TO: QUOTE #:

P.O. #: 1197.02

Section 2

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HH:MM	MATRIX/ MATRIX CODE	Section 3 # CONTAINERS	Type C = COMP G = GRAB M = Multi Incremental Soils	Preservative: GRO AK101	DRO AK102	BTEX VOC 8260B	REMARKS/ LOC ID
(1) A-H	MW-1	08/23/16	9:40am	water	8	G	X	X	X	
(2) A-H	MW-2	08/23/16	10:35am	water	8	G	X	X	X	
(3) A-H	MW-3	08/23/16	8:37am	water	8	G	X	X	X	
(4) A-H	MW-4	08/23/16	8:45am	water	8	G	X	X	X	
(5) A-H	MW-6	08/23/16	11:58am	water	8	G	X	X	X	
(6) A-H	MW-7	08/23/16	11:17am	water	8	G	X	X	X	
(7) A-D	Trip blank									

Section 4

DOD Project? Yes No

Cooler ID:

Data Deliverable Requirements:

Requested Turnaround Time and/or Special Instructions:

Section 5

	Date	Time	Received By:
Relinquished By: (1)	8/23/16	12:34	8/23/16 1234
Relinquished By: (2)	8/23/16	1430	
Relinquished By: (3)			
Relinquished By: (4)	8/24/16	9:18	Received For Laboratory By:

Temp Blank °C: chilled

or Ambient [ ]

(See attached Sample Receipt Form)

Chain of Custody Seal: (Circle)

INTACT BROKEN (ABSENT)

(See attached Sample Receipt Form)

[ ] 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
[ ] 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557

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IFB

Inc 5,9200

F083-Kit_Request_and_COC_Templates-Blank
Revised 2013-03-24

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FAIRBANKS SAMPLE RECEIPT FORM

Note: This form is to be completed by Fairbanks Receiving Staff for all samples

Review Criteria:	Condition:	Comments/Actions Taken
Were **custody seals** intact? Note # & location, if applicable. COC accompanied samples?	Yes No N/A Yes No N/A	*Exemption permitted if sampler hand carries/delivers.*
Temperature blank compliant* (i.e., 0-6°C) *If >6°C, were samples collected <8 hours ago?* *If <0°C, were all sample containers ice free?* Cooler ID:_____@_____w/Therm. ID:_____ Cooler ID:_____@_____w/Therm. ID:_____ Cooler ID:_____@_____w/Therm. ID:_____ Cooler ID:_____@_____w/Therm. ID:_____ Cooler ID:_____@_____w/Therm. ID:_____ If samples are received without a temperature blank, the "cooler temperature" will be documented in lieu of the temperature blank and "COOLER TEMP" will be noted to the right. In cases where neither a temp blank nor cooler temp can be obtained, note ambient ( ) or chilled ( ) Please check one.	Yes No Yes No N/A Yes No N/A	*Exemption permitted if chilled & collected <8hrs ago* *Note: Identify containers received at non-compliant temperature. Use form FS-0029 if more space is needed.*
Delivery Method: Client (hand carried) Other:_____	Tracking/AB# : Or see attached Or N/A	
→For samples received with payment, note amount ($) and whether cash / check / CC (**circle one**) was received.		
Were samples in **good condition** (no leaks/cracks/breakage)? Packing material used (specify all that apply): Bubble Wrap Separate plastic bags Vermiculite Other:_____	Yes No N/A	*Note: some samples are sent to Anchorage without inspection by SGS Fairbanks personnel.*
Were **Trip Blanks** (i.e., VOAs, LL-Hg) in cooler with samples?	Yes No N/A	
For **RUSH/SHORT Hold Time**, were COC/Bottles flagged accordingly? Was Rush/Short HT email sent, if applicable?	Yes No N/A Yes No N/A	

Additional notes (if applicable):

Profile #: 336472

Note to Client: any "no" circled above indicates non-compliance with standard procedures and may impact data quality.

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Review Criteria	Y/N (yes/no)	Exceptions Noted below
	☐	exemption permitted if sampler hand carries/delivers.
Were Custody Seals intact? Note # & location	Y	1F-1B
COC accompanied samples?	Y	
☐ **exemption permitted if chilled & collected <8hrs ago or chilling not required (i.e., waste, oil)		
Temperature blank compliant* (i.e., 0-6 °C after CF)?	Y	Cooler ID: 1 @ 5.9 °C Therm ID: 200
	Y	Cooler ID: @ °C Therm ID:
	Y	Cooler ID: @ °C Therm ID:
	Y	Cooler ID: @ °C Therm ID:
	Y	Cooler ID: @ °C Therm ID:
*If >6°C, were samples collected <8 hours ago?	Y	
If <0°C, were sample containers ice free?	Y	
If samples received without a temperature blank, the "cooler temperature" will be documented in lieu of the temperature blank & "**COOLER TEMP**" will be noted to the right. In cases where neither a temp blank nor cooler temp can be obtained, note "ambient" or "chilled".		
Note: Identify containers received at non-compliant temperature . Use form FS-0029 if more space is needed.		
		Note: Refer to form F-083 "Sample Guide" for hold times.
Were samples received within hold time?	Y	
Do samples **match COC**** (i.e.,sample IDs,dates/times collected)?	Y	
**Note: If times differ <1hr, record details & login per COC.		
Were analyses requested unambiguous?	Y	
	☐	***Exemption permitted for metals (e.g.200.8/6020A).
Were proper containers (type/mass/volume/preservative***)used?	Y	
IF APPLICABLE		
Were Trip Blanks (i.e., VOAs, LL-Hg) in cooler with samples?	Y	
Were all VOA vials free of headspace (i.e., bubbles ≤ 6mm)?	Y	
Were all soil VOAs field extracted with MeOH+BFB?	Y	

Note to Client: Any "no" answer above indicates non-compliance with standard procedures and may impact data quality.

Additional notes (if applicable):

Sample Containers and Preservatives

Container Id	Preservative	Container Condition	Container Id	Preservative	Container Condition
1168461001-A	HCL to pH < 2	OK	1168461006-C	HCL to pH < 2	OK
1168461001-B	HCL to pH < 2	OK	1168461006-D	HCL to pH < 2	OK
1168461001-C	HCL to pH < 2	OK	1168461006-E	HCL to pH < 2	OK
1168461001-D	HCL to pH < 2	OK	1168461006-F	HCL to pH < 2	OK
1168461001-E	HCL to pH < 2	OK	1168461006-G	HCL to pH < 2	OK
1168461001-F	HCL to pH < 2	OK	1168461006-H	HCL to pH < 2	OK
1168461001-G	HCL to pH < 2	OK	1168461007-A	HCL to pH < 2	OK
1168461001-H	HCL to pH < 2	OK	1168461007-B	HCL to pH < 2	OK
1168461002-A	HCL to pH < 2	OK	1168461007-C	HCL to pH < 2	OK
1168461002-B	HCL to pH < 2	OK	1168461007-D	HCL to pH < 2	OK
1168461002-C	HCL to pH < 2	OK			
1168461002-D	HCL to pH < 2	OK			
1168461002-E	HCL to pH < 2	OK			
1168461002-F	HCL to pH < 2	OK			
1168461002-G	HCL to pH < 2	OK			
1168461002-H	HCL to pH < 2	OK			
1168461003-A	HCL to pH < 2	OK			
1168461003-B	HCL to pH < 2	OK			
1168461003-C	HCL to pH < 2	OK			
1168461003-D	HCL to pH < 2	OK			
1168461003-E	HCL to pH < 2	OK			
1168461003-F	HCL to pH < 2	OK			
1168461003-G	HCL to pH < 2	OK			
1168461003-H	HCL to pH < 2	OK			
1168461004-A	HCL to pH < 2	OK			
1168461004-B	HCL to pH < 2	OK			
1168461004-C	HCL to pH < 2	OK			
1168461004-D	HCL to pH < 2	OK			
1168461004-E	HCL to pH < 2	OK			
1168461004-F	HCL to pH < 2	OK			
1168461004-G	HCL to pH < 2	OK			
1168461004-H	HCL to pH < 2	OK			
1168461005-A	HCL to pH < 2	OK			
1168461005-B	HCL to pH < 2	OK			
1168461005-C	HCL to pH < 2	OK			
1168461005-D	HCL to pH < 2	OK			
1168461005-E	HCL to pH < 2	OK			
1168461005-F	HCL to pH < 2	OK			
1168461005-G	HCL to pH < 2	OK			
1168461005-H	HCL to pH < 2	OK			
1168461006-A	HCL to pH < 2	OK			
1168461006-B	HCL to pH < 2	OK			

Container Id	Preservative	Container Condition	Container Id	Preservative	Container Condition

Container Condition Glossary

Containers for bacteriological, low level mercury and VOA vials are not opened prior to analysis and will be assigned condition code OK unless evidence indicates than an inappropriate container was submitted.

OK - The container was received at an acceptable pH for the analysis requested.
BU - The container was received with headspace greater than 6mm.
DM- The container was received damaged.
FR- The container was received frozen and not usable for Bacteria or BOD analyses.
PA - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt and the container is now at the correct pH. See the Sample Receipt Form for details on the amount and lot # of the preservative added.
PH - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt, but was insufficient to bring the container to the correct pH for the analysis requested. See the Sample Receipt Form for details on the amount and lot # of the preservative added.

DAILY FIELD REPORT

Travis/Peterson Environmental Consulting, Inc.
329 2nd Street
Fairbanks, Alaska 99701
Phone: (907) 455-7225
Fax: (907) 455-7228

PERSONNEL	Time On- Site		Office Hours
	Arrive	Leave	
☐ Eddie Packee			
☐ Ryan Peterson			
☐ Jessica Knowles			
■ Michaela Hale			
☐			

FIELD EQUIPMENT

- ☐ PID
- ☐ Color-Tec Hardware Kit
- ☐ Misc. Equip. (tools, etc)
- ☐ GPS Unit (Trimble)
- ■ Other: Peristaltic Pump

JOB NO.: 1197-02 **CLIENT:** Seekins Ford

PROJECT LOCATION: Seekins Ford Lincoln **DATE:** 8/23/2016 **TIME:** 2:30 pm

PRECIPITATION: None None **CLOUDINESS:** Partly

SURFACE CONDITION: Dry **TEMP RANGE:** 55 **WIND:** 2 mph

GENERAL DESCRIPTION OF WORK:

Groundwater sampling MW-1, MW-2, MW-3, MW-6, MW-7. Transducer readings MW-1,MW-7,MW-6

WAS CONTAMINATION ENCOUNTERED? ☐ NO ☐ YES Type:

If yes... Client Notified? ☐ NO ☐ YES GPS Location Collected? ☐ NO ☐ YES

LOCATION AND OTHER NOTES:

No soil sampling, only groundwater sampling.

SOIL SAMPLING: ■ NO ☐ YES

Lab Used: SGS Lab No. of Samples Collected: 6 COC Attached? ☐ NO ■ YES

Turnaround Time? Normal No. of Duplicates: 1 Duplicate No.: MW-4

DAILY SITE SAFETY INSPECTION (circle all that apply)

NON-CHEMICAL HAZARDS

Underground Utilities ☐	Noise ☐	Confined Space ☐
Overhead Utilities ☐	Cold Exposure ☐	Water ☐
Slips, Trips, and Falls ☐	Heat Exposure ☐	Unstable Surfaces ☐
Heavy Equipment ☐	Trenches ☐	Electrical ☐

CHEMICAL HAZARDS

⊡ Petroleum	⊡ Lubricants
⊡ Oils	☐ Solvents
☐ Metals	☐
☐ PCBs	☐

PERSONAL PROTECTIVE EQUIPMENT

☐ Steel-Toe Boots ☐ Safety Glasses ■ Reflective Vest ☐ Hardhat ☐ Tyvek ☐ Respirator

Field Investigator: Michaela Hale **Signature:** Michaela Hale

7:50am MLH arrived onsite went to inform owner spoke w/a receptionist and gave business card.

Here to groundwater sample MW-1, MW-2, MW-3, MW-7 MW-6 for GRO, DRO, & VOCs

Currently ~55°F partly cloudy 2 mph winds.

MW-3 DTW = 11 ft
DTB = 22.6 ft.
11.6 ft. x 0.163 = 1.89 x 3 well volume = 5.67 gallons purge.

* water appears a little murky no obvious odor.

8:37am MW-3 sample collected for VOCs, GRO, & DRO.

8:45am MW-4 sample collected for VOCs, GRO, DRO (DUPLICATE)

MW-1 DTW = 11.6
DTB = 24.59
12.99 x 0.163 = 2.11 x 3 well = 6.35 ga Purge.

9:40am MW-1 sampled for VOCs, GRO, and DRO
*Transducer length 20.8

MW-2 DTW = 12.05 ft
DTB = 24.48 ft.
12.43 x 0.163 = 2.02 x 3 well volume = 6.07 purge.

10:35am MW-2 sample collected for VOCs, DRO, GRO.

MW-7 DTW: 12.06 ft.
DTB: 21.18 ft.
9.12 x 0.163 = 1.486 x 3 well = 4.45 ga Purge
*Transducer 20.85 ft depth
*water appears a little murky no odor.

11:07am MW-7 sampled for VOCs, GRO, and DRO.

MW-6 *Transducer length
20.55 ft.
DTW: 11.09 ft.
DTB: 22.12 ft.
10.43 ft x 0.163 = 1.7 x 3 well = 5.1 purge volume.

11:58 am MW-6 sample collected for VOCs, GRO, & BTEX.

12:10 pm RCP, MLH offsite.