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October 14, 2015
1197-02

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

Attention: Paul Austin
Parts and Service Director

Re: 2015 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 September 28, 2015 at Seekins Ford – Lincoln, Inc. (Figure 1, attached).

On September 28, 2015 monitoring wells MW-1, MW-2, MW-3, MW-6 and MW-7 were sampled. The sample labeled MW-8 is a duplicate of MW-1. The samples were submitted to Alaska Analytical Laboratory and Freemont Analytical 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. Historic trends in all wells are attached. Complete laboratory analytical reports and quality assurance checklists are also attached.

Table 1. Well Measurement Data

Well	Depth to Water (ft)	Total Depth (ft)	Casing Height(ft)
MW-1	13.64	24.61	flush mount
MW-2	14.06	24.46	flush mount
MW-3	13.05	22.60	flush mount
MW-6	13.68	22.12	flush mount
MW-7	14.05	21.18	flush mount

Table 2. 2015 Analytical Results

Sample	DRO (mg/L)	GRO (mg/L)	VOCs (µg/L)			
MW-1	0.260	**25.3**	benzene:	1.45	1,3,5-trimethylbenzene:	202
			toluene:	684	sec-butylbenzene:	6.89
			ethylbenzene:	**1,100**	4-isopropyltoluene:	5.47
			xylenes (total):	5,930	1,2,4-trimethylbenzene:	802
			isopropylbenzene(cumene):	58.2	naphthalene:	46.3
			n-propylbenzene:	112	n-butylbenzene:	13.4
MW-1 duplicate	0.258	**24.7**	benzene:	1.40	1,3,5-trimethylbenzene:	210
			toluene:	759	sec-butylbenzene:	6.66
			ethylbenzene:	**1,220**	4-isopropyltoluene:	5.31
			xylenes (total):	6,470	1,2,4-trimethylbenzene:	848
			isopropylbenzene(cumene):	62.8	naphthalene:	48.8
			n-propylbenzene:	118	n-butylbenzene:	13.2
MW-2	0.0240J	0.0312J		All ND		All ND
MW-3	0.120J	0.0215J	tetrachloroethene:	1.28	1,2-dichlorobenzene:	5.31
			4-isopropyltoluene:	5.03	1,2,4-trimethylbenzene:	2.97
					naphthalene:	2.17
MW-6	ND	ND	trichlorofluoromethane:	3.26	tetrachloroethene:	1.61
MW-7	0.0245J	ND		All ND		All ND
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	1,2-dichlorobenzene:	600
			isopropylbenzene (cumene):	3,700	1,2,4-trimethylbenzene:	1,800
			n-propylbenzene:	370	naphthalene:	730
			1,3,5-trimethylbenzene:	1,800		

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

Discussion

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

Detections in MW-1

GRO was detected at 25.3 mg/L (and 24.7 mg/L in the MW-1 duplicate sample) during the 2015 sampling event (2.2 mg/L cleanup standard). This result represents a slight decrease from the 2014 detected GRO value in MW-1 of 25.9 mg/L. GRO was detected in both the project sample and the duplicate above the ADEC groundwater cleanup level.

DRO was detected at 0.260 mg/L (and 0.258 mg/L in the MW-1 duplicate sample) during the 2015 sampling event (1.5 mg/L cleanup standard). This result represents a decrease from the 2014 detected DRO value in MW-1 of 0.362 mg/L.

Several VOC analytes were detected in the MW-1 sample. Ethylbenzene was the only analyte detected (1,100 µg/L) above ADEC groundwater cleanup levels (700 µg/L). The concentration of ethylbenzene detected in 2015 was approximately the same as was detected in 2014.

Detections in MW-2
GRO was detected at 0.0312 mg/L during the 2015 sampling event (2.2 mg/L cleanup standard). This result represents an increase from the 2014 result of 0.0192 for GRO in MW-2.

DRO was detected at 0.0240 mg/L during the 2015 sampling event (1.5 mg/L cleanup standard). This result represents a decrease from the 2014 detected DRO value in MW-2 of 0.0307 mg/L.

No VOCs were detected in MW-2 during the 2015 sampling event.

Detections in MW-3
GRO was detected at 0.0215 mg/L during the 2015 sampling event (2.2 mg/L cleanup standard). This result represents a decrease from the 2014 detected GRO value in MW-3 of 0.0344 mg/L.

DRO was detected at 0.120 mg/L during the 2015 sampling event (1.5 mg/L cleanup standard). This result represents a slight increase from the 2014 detected DRO value in MW-3 of 0.118 mg/L.

Several VOCs were detected during the 2015 sampling event. All detected analytes were below their respective ADEC groundwater cleanup level.

Detections in MW-6
GRO was not detected during the 2015 sampling event (2.2 mg/L cleanup standard). This result represents a decrease from the 2014 0.0109 GRO result in MW-6.

DRO was non-detect during the 2015 sampling event (1.5 mg/L cleanup standard). DRO was also non-detect during the 2014 sampling event.

Tetrachloroethene and trichlorofluoromethane were both detected in 2014 and 2015. The 2015 results for both analytes show a decrease in concentration observed in 2014. All detected VOCs were below their respective cleanup standards.

Detections in MW-7
GRO was not detected 2015 sampling event (2.2 mg/L cleanup standard). This result represents a decrease from the 2014 0.0201 GRO result in MW-7.

DRO was detected at 0.0245 mg/L during the 2015 sampling event (1.5 mg/L cleanup standard). This result represents an increase from the non-detect 2014 DRO value in MW-7.

No VOCs were detected in MW-2 during the 2015 sampling event.

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

MW-1 is the only well in which contaminants are present above applicable ADEC groundwater cleanup levels. GRO and VOC analyte ethylbenzene are the two analytes present above applicable cleanup levels. The levels detected in 2015 appear consistent with historic results, indicating

stabilization in the contaminant concentrations.

Based on the analytical results, TPECI recommends decreasing the monitoring frequency to once every three years.

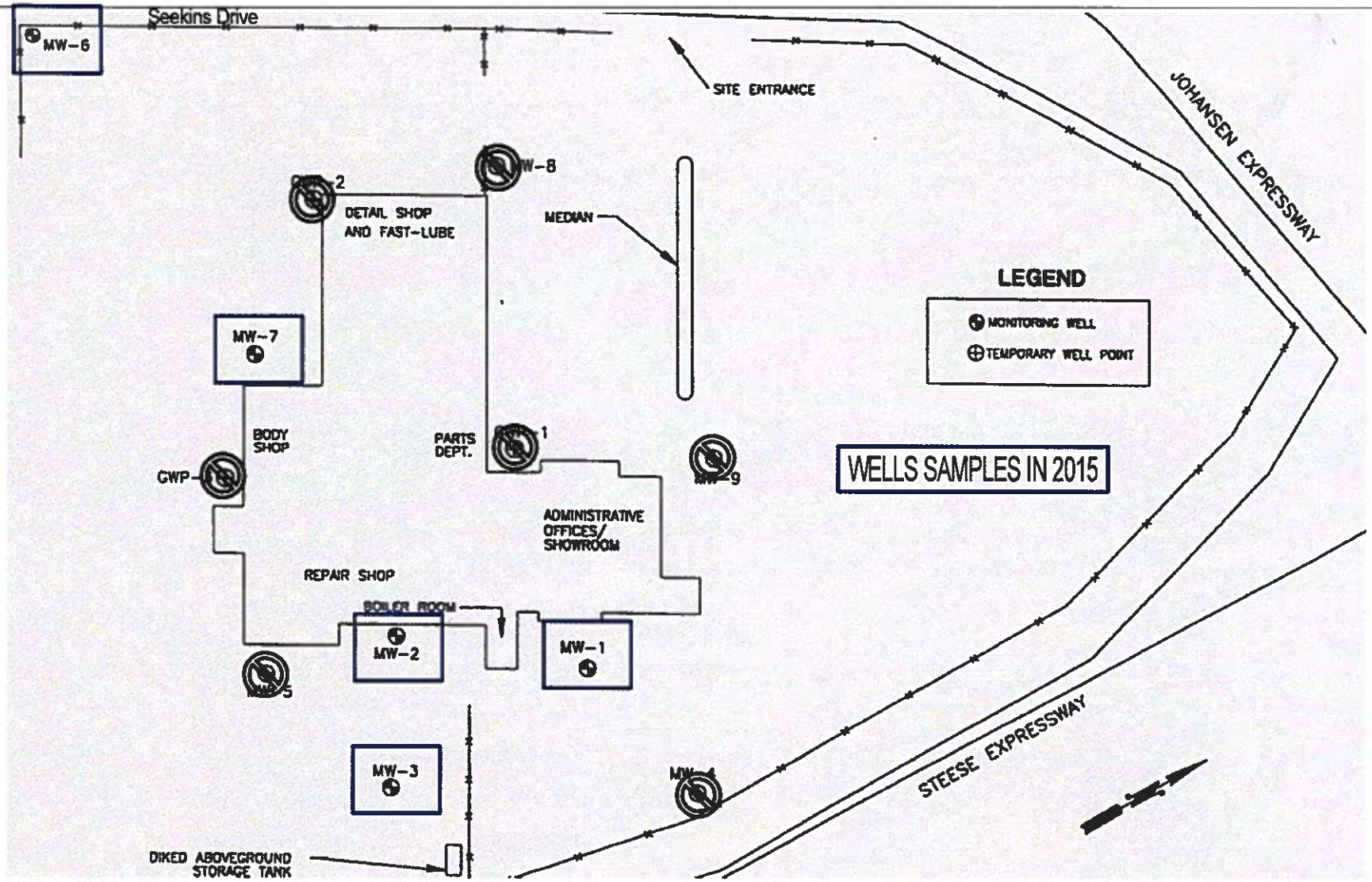
If you have any questions regarding this report please contact me at (907) 455-7225.

Sincerely,

Ashley Jaramillo
Staff Chemist

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

Attachments: Figure 1
Historical Groundwater Data Table
Laboratory Data Reports and ADEC Laboratory Data Review Checklist



DECOMMISSIONED MONITORING WELL

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: 10/14/15**	**SCALE: AS SHOWN**

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-Butyl benzene (µg/L)	sec-Butyl benzene (µg/L)	tert-Butyl-benzene (µg/L)
ADEC MCL (ug/L)			2,200	1,500	3,650	5.0	22,000	370	370	N/A
MW-1	7/21/1995	14.2	180	5.4	--	**12,000**	--	--	--	ND
	5/1/1996	15.7	240	6.2	ND	**7,500**	ND	ND	ND	ND
	8/7/1996	15.28	250	11	--	**8,500**	--	--	--	ND
	11/21/1996	15.57	330	9.6	--	**11,000**	--	--	--	ND
	5/25/2005	14.64	1,120	0.363	ND	ND	ND	ND	ND	ND
	7/17/2006	14.62	9,810	0.843	ND	ND	ND	ND	245	ND
	9/13/2007	14.74	**47,600**	**3,620**	--	**25.6**	ND	10.1	9.71	ND
	9/16/2008	12.65	**15,500**	**1,680**	ND	**6.3**	84.4	ND	ND	ND
	11/8/2010	--	--	--	--	--	--	--	--	--
	2011	--	--	--	--	--	--	--	--	--
	9/4/2012	14.93	**75,300**	670	20.5	4.7	ND	15.3	7.5	--
	8/14/2013	9.8	**59,200**	582	ND	ND	ND	ND	ND	ND
Duplicate	8/14/2013	9.8	**57,900**	594	ND	ND	ND	ND	ND	ND
	8/27/2014	10.82	**25,900**	362	ND	1.65	ND	ND	6.04	ND
Duplicate	8/27/2014	10.82	**24,700**	355	ND	1.74	ND	ND	6.03	1.1
	9/28/2015	13.64	**25,300**	260	ND	1.45	ND	13.4	6.89	ND
Duplicate	9/28/2015	13.64	**24,700**	258	ND	1.40	ND	13.2	6.66	ND
MW-2	7/21/1995	14.64	0.15	0.35	ND	ND	ND	--	--	ND
	5/1/1996	16.13	0.26	0.74	ND	2	ND	ND	ND	ND
	8/7/1996	15.72	0.16	3.4	ND	ND	ND	ND	ND	ND
	11/21/1996	16.02	0.105	2.1	ND	ND	ND	ND	ND	ND
	5/25/2005	15.09	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
	9/16/2008	--	--	--	--	--	--	--	--	--
	11/8/2010	16.49	ND	232	ND	ND	ND	ND	ND	ND
	9/5/2012	15.38	0.0566J	0.144	ND	ND	ND	ND	ND	--
Duplicate	9/5/2012	15.38	0.0374J	0.127J	ND	ND	ND	ND	ND	--
	8/14/2013	14.6	ND	0.217	ND	ND	ND	ND	ND	ND
	8/27/2014	11.29	19.2J	30.7J	ND	ND	ND	ND	ND	ND
	9/28/2015	14.06	31.2J	24.0J	ND	ND	ND	ND	ND	ND
MW-3	7/21/1995	13.7	2.8	13	ND	8	ND	--	--	ND
	5/1/1996	15.18	0.99	5.4	ND	ND	ND	ND	ND	ND
	8/7/1996	14.78	0.27	3.6	25	ND	ND	ND	ND	ND
	11/21/1996	14.29	0.16	5.4	ND	ND	ND	ND	ND	ND
	5/25/2005	14.12	117	1.05	16.4	ND	ND	1.18	1.04	1.09
	7/17/2006	14.13	ND	0.583	ND	ND	ND	ND	ND	ND
	9/13/2007	14.22	ND	995	--	ND	ND	ND	ND	ND
Duplicate	9/13/2007	N/A	ND	**1,760**	--	ND	ND	ND	ND	ND
	9/16/2008	--	--	--	--	--	--	--	--	--
	11/8/2010	15.49	13.9J	227J	ND	ND	ND	ND	ND	ND
	9/5/2012	14.35	0.0408J	0.172	ND	ND	ND	ND	ND	--
	8/14/2013	13.1	0.0657J	0.219	ND	ND	ND	ND	ND	ND
	8/27/2014	10.24	34.4J	118J	ND	ND	ND	1.32	ND	ND
	9/28/2015	13.05	21.5J	120J	ND	ND	ND	ND	ND	ND
MW-4	7/21/1995	12.93	ND	ND	ND	ND	ND	--	--	ND
	5/1/1996	14.43	ND	0.24	ND	ND	ND	ND	ND	ND
	8/7/1996	14.02	ND	0.23	ND	ND	ND	ND	ND	ND
	11/21/1996	14.29	ND	0.24	ND	ND	ND	ND	ND	ND
	5/25/2005	13.36	ND	ND	ND	ND	ND	ND	ND	ND
	7/18/2006	13.33	ND	ND	ND	ND	ND	ND	ND	ND

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-Butyl benzene (µg/L)	sec-Butyl benzene (µg/L)	tert-Butyl-benzene (µg/L)
	9/13/2007	13.5	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
	8/7/1996	15.27	ND	0.99	20	1.24	ND	ND	ND	ND
	11/21/1996	15.61	ND	1	ND	1.05	ND	ND	ND	ND
	Well Decomissioned 10/28/2005									
MW-6	5/1/1996	15.78	0.12	0.94	27.2	ND	ND	11	4.73	ND
	8/7/1996	15.35	ND	0.56	ND	ND	ND	ND	ND	ND
	11/21/1996	15.61	ND	0.59	ND	ND	ND	ND	ND	ND
	5/25/2005	14.63	ND	ND	ND	ND	ND	ND	ND	ND
	7/14/2005	13.39	--	--	ND	ND	ND	ND	ND	ND
	7/17/2006	14.64	ND	ND	ND	ND	ND	ND	ND	ND
	9/13/2007	14.8	ND	348	--	ND	ND	ND	ND	ND
	9/16/2008	12.74	ND	ND	ND	ND	ND	ND	ND	ND
Duplicate	9/16/2008	12.74	ND	ND	ND	ND	ND	ND	ND	ND
	11/8/2010	16.13	ND	ND	ND	ND	ND	ND	ND	ND
	9/4/2012	15.00	0.347J	0.0160J	ND	ND	ND	ND	ND	--
	8/14/2013	13.30	ND	0.0638J	ND	ND	ND	ND	ND	ND
	8/27/2014	10.95	10.8J	ND	ND	ND	ND	ND	ND	ND
	9/28/2015	13.68	ND	ND	ND	ND	ND	ND	ND	ND
MW-7	5/1/1996	16.29	0.26	0.47	ND	ND	ND	2.42	1.33	ND
	8/7/1996	15.86	ND	0.3	287	ND	ND	ND	ND	ND
	11/21/1996	16.14	ND	0.2	451	ND	ND	ND	ND	ND
	5/25/2005	15.28	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
	9/16/2008	--	--	--	--	--	--	--	--	--
	11/8/2010	16.67	ND	3.9J	ND	ND	ND	ND	ND	ND
Duplicate	11/8/2010	16.67	ND	ND	ND	ND	ND	ND	ND	ND
	9/5/2012	15.59	0.026J	ND	ND	ND	ND	ND	ND	--
	8/14/2013	13.3	ND	0.0529	ND	ND	ND	ND	ND	ND
	8/27/2014	11.26	20.1J	ND	ND	ND	ND	ND	ND	ND
	9/28/2015	14.05	ND	24.5J	ND	ND	ND	ND	ND	ND
MW-8	5/1/1996	16.49	0.35	0.69	36.2	**8.39**	18	5.06	2.64	ND
	8/7/1996	16.04	ND	0.38	ND	1.36	ND	ND	ND	ND
	11/21/1996	16.33	ND	0.15	ND	ND	ND	ND	ND	ND
	5/25/2005	15.43	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
	8/7/1996	15.53	ND	0.64	ND	ND	ND	ND	ND	ND
	11/21/1996	15.84	ND	0.68	ND	ND	ND	ND	ND	ND
	5/25/2005	15.04	ND	ND	ND	ND	ND	ND	ND	ND
	Well Decomissioned 10/28/2005									
GWP-1	7/21/1995	14.62	4	0.19	--	**1,500**	--	--	--	ND
	5/1/1996	16.11	0.34	0.48	ND	**117**	ND	ND	ND	ND
	8/7/1996	15.69	0.84	0.72	--	**230**	--	--	--	ND
	11/21/1996	15.97	0.499	0.29	--	**160**	--	--	--	ND
	5/25/2005	15.03	ND	ND	ND	ND	ND	ND	ND	ND
	Well Decomissioned 10/28/2005									
GWP-2	7/21/1995	15.02	ND	ND	--	ND	--	--	--	ND

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-Butyl benzene (µg/L)	sec-Butyl benzene (µg/L)	tert-Butyl-benzene (µg/L)
	5/1/1996	16.54	ND	0.35	ND	ND	ND	ND	ND	ND
	8/7/1996	16.1	ND	0.16	--	ND	--	--	--	ND
	11/21/1996	16.4	ND	0.11	ND	ND	ND	ND	ND	ND
	5/25/2005	15.42	ND	ND	ND	ND	ND	ND	ND	ND
	9/16/2008	13.53	53	ND	ND	ND	ND	ND	ND	ND
GWP-3	7/21/1995	14.18	ND	ND	--	ND	--	--	--	ND
	5/1/1996	15.71	ND	0.17	ND	ND	ND	ND	ND	ND
	8/7/1996	15.31	ND	0.29	ND	ND	ND	ND	ND	ND
	11/21/1996	15.58	ND	0.17	ND	ND	ND	ND	ND	ND
	5/25/2005	15.68	ND	ND	ND	ND	ND	ND	ND	ND
	7/17/2006	14.67	ND	ND	ND	ND	ND	ND	ND	ND
	9/13/2007	14.8	ND	491	--	ND	ND	ND	ND	ND
DUP-1	5/1/1996	N/A	220	5.6	ND	**10,000**	ND	--	ND	ND
	8/7/1996	N/A	250	9.4	ND	**9,700**	ND	--	ND	ND
	11/21/1996	N/A	0.231	4.8	--	ND	--	--	--	ND
	5/25/2005	N/A	ND	ND	ND	ND	ND	ND	ND	ND
	7/5/2005	N/A	ND	ND	ND	ND	ND	ND	ND	ND
	7/17/2006	N/A	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.
	2015 Results

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

Well Number	Date	Depth to Water (Feet)	Carbon Tetra-chloride (µg/L)	Carbon disulfide (µg/L)	4-chloro-toluene (µg/L)	Chloro-form (µg/L)	Chloro-methane (µg/L)	1,2-DCB (µg/L)	1,4-DCB (µg/L)	1,1-DCE (µg/L)
ADEC MCL (ug/L)			5.0	3,650	N/A	100	66	600	75	3,650
MW-1	7/21/1995	14.2	--	ND		--	--	--	--	--
	5/1/1996	15.7	ND	ND		ND	ND	ND	ND	ND
	8/7/1996	15.28	--	ND		--	--	--	--	--
	11/21/1996	15.57	--	ND		--	--	--	--	--
	5/25/2005	14.64	ND	ND		ND	ND	ND	ND	ND
	7/17/2006	14.62	ND	ND		ND	ND	ND	ND	ND
	9/13/2007	14.74	ND	ND		ND	ND	ND	ND	ND
	9/16/2008	12.65	ND	ND		ND	ND	ND	ND	ND
	11/8/2010	--	--	--		--	--	--	--	--
	2011	--	--	--		--	--	--	--	--
	9/4/2012	14.93	ND	--		ND	ND	ND	1.3	ND
	8/14/2013	9.8	ND	ND		ND	ND	ND	ND	ND
Duplicate	8/14/2013	9.8	ND	ND		ND	ND	ND	ND	ND
	8/27/2014	10.82	ND	ND	ND	ND	ND	ND	ND	ND
Duplicate	8/27/2014	10.82	ND	ND	22.6	ND	ND	ND	ND	ND
	9/28/2015	13.64	ND	ND	ND	ND	ND	ND	ND	ND
Duplicate	9/28/2015	13.64	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	7/21/1995	14.64	8.2	ND		ND	ND	ND	ND	ND
	5/1/1996	16.13	ND	ND		ND	ND	ND	ND	1.88
	8/7/1996	15.72	ND	ND		ND	ND	ND	ND	ND
	11/21/1996	16.02	ND	ND		ND	ND	ND	ND	1.11
	5/25/2005	15.09	ND	ND		ND	ND	ND	ND	ND
	7/17/2006	Well was of								
	9/13/2007	15.18	ND	ND		ND	9.5	ND	ND	ND
	9/16/2008	--	--	--		--	--	--	--	--
	11/8/2010	16.49	ND	ND		ND	ND	ND	ND	ND
	9/5/2012	15.38	ND	--		ND	ND	ND	ND	ND
Duplicate	9/5/2012	15.38	ND	--		ND	ND	ND	ND	ND
	8/14/2013	14.6	ND	ND		ND	ND	ND	ND	ND
	8/27/2014	11.29	ND	ND		ND	ND	ND	ND	ND
	9/28/2015	14.06	ND	ND	ND	ND	ND	ND	ND	ND
MW-3	7/21/1995	13.7	ND	ND		ND	ND	90	ND	6.5
	5/1/1996	15.18	ND	ND		ND	ND	86	ND	ND
	8/7/1996	14.78	ND	ND		ND	1.6	39	1.8	ND
	11/21/1996	14.29	ND	ND		ND	ND	36.6	1.65	ND
	5/25/2005	14.12	ND	ND		ND	ND	31.8	1.48	ND
	7/17/2006	14.13	ND	1.72		ND	ND	5.1	ND	ND
	9/13/2007	14.22	ND	ND		ND	ND	13.4	ND	ND
Duplicate	9/13/2007	N/A	ND	ND		ND	2.32	12.2	ND	ND
	9/16/2008	--	--	--		--	--	--	--	--
	11/8/2010	15.49	ND	ND		ND	ND	8.9	ND	ND
	9/5/2012	14.35	ND	--		ND	ND	4.8	ND	ND
	8/14/2013	13.1	ND	ND		ND	ND	8.0	ND	ND
	8/27/2014	10.24	ND	ND	ND	ND	ND	7.9	ND	ND
	9/28/2015	13.05	ND	ND	ND	ND	ND	5.31	ND	ND
MW-4	7/21/1995	12.93	ND	ND		5.5	ND	ND	ND	ND
	5/1/1996	14.43	ND	ND		ND	ND	ND	ND	ND
	8/7/1996	14.02	ND	ND		ND	ND	ND	ND	ND
	11/21/1996	14.29	ND	ND		ND	ND	ND	ND	ND
	5/25/2005	13.36	ND	ND		ND	ND	ND	ND	ND
	7/18/2006	13.33	ND	1.33		ND	ND	ND	ND	ND

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

Well Number	Date	Depth to Water (Feet)	Carbon Tetra-chloride (µg/L)	Carbon disulfide (µg/L)	4-chloro-toluene (µg/L)	Chloro-form (µg/L)	Chloro-methane (µg/L)	1,2-DCB (µg/L)	1,4-DCB (µg/L)	1,1-DCE (µg/L)
	9/13/2007	13.5	ND	ND		ND	ND	ND	ND	ND
MW-5	5/1/1996	15.68	ND	ND		ND	ND	2.71	ND	1.45
	8/7/1996	15.27	ND	ND		ND	ND	3.3	ND	1.2
	11/21/1996	15.61	ND	ND		ND	ND	1.45	ND	0.78
	Well Decomissioned 10									
MW-6	5/1/1996	15.78	ND	ND		1.01	ND	ND	ND	2.93
	8/7/1996	15.35	ND	ND		ND	ND	ND	ND	2.6
	11/21/1996	15.61	ND	ND		ND	ND	ND	ND	1.86
	5/25/2005	14.63	ND	ND		ND	ND	ND	ND	ND
	7/14/2005	13.39	ND	ND		ND	ND	ND	ND	ND
	7/17/2006	14.64	ND	ND		ND	ND	ND	ND	ND
	9/13/2007	14.8	ND	ND		ND	3.85	ND	ND	ND
	9/16/2008	12.74	ND	ND		ND	ND	ND	ND	ND
Duplicate	9/16/2008	12.74	ND	ND		ND	ND	ND	ND	ND
	11/8/2010	16.13	ND	ND		ND	ND	ND	ND	4.4
	9/4/2012	15.00	ND	--		ND	ND	ND	ND	ND
	8/14/2013	13.30	ND	ND		ND	ND	ND	ND	ND
	8/27/2014	10.95	ND	ND	ND	ND	ND	ND	ND	ND
	9/28/2015	13.68	ND	ND	ND	ND	ND	ND	ND	ND
MW-7	5/1/1996	16.29	ND	ND		ND	ND	ND	ND	ND
	8/7/1996	15.86	ND	ND		ND	ND	ND	ND	ND
	11/21/1996	16.14	ND	ND		ND	ND	ND	ND	ND
	5/25/2005	15.28	ND	ND		ND	ND	ND	ND	ND
	7/17/2006	Well was fr								
	9/13/2007	15.35	ND	ND		ND	ND	ND	ND	ND
	9/16/2008	--	--	--		--	--	--	--	--
	11/8/2010	16.67	ND	ND		ND	ND	ND	ND	ND
Duplicate	11/8/2010	16.67	ND	ND		ND	ND	ND	ND	1.0
	9/5/2012	15.59	ND	--		ND	ND	ND	ND	ND
	8/14/2013	13.3	ND	ND		ND	ND	ND	ND	ND
	8/27/2014	11.26	ND	ND	ND	ND	ND	ND	ND	ND
	9/28/2015	14.05	ND	ND	ND	ND	ND	ND	ND	ND
MW-8	5/1/1996	16.49	ND	ND		ND	ND	ND	ND	ND
	8/7/1996	16.04	ND	ND		ND	ND	ND	ND	ND
	11/21/1996	16.33	ND	ND		ND	ND	ND	ND	ND
	5/25/2005	15.43	ND	ND		ND	ND	ND	ND	ND
	Well Decomissioned 10									
MW-9	5/1/1996	15.95	ND	ND		ND	ND	ND	ND	ND
	8/7/1996	15.53	ND	ND		ND	ND	ND	ND	ND
	11/21/1996	15.84	ND	ND		ND	ND	ND	ND	ND
	5/25/2005	15.04	ND	ND		ND	ND	ND	ND	ND
	Well Decomissioned 10									
GWP-1	7/21/1995	14.62	--	ND		--	--	--	--	--
	5/1/1996	16.11	ND	ND		ND	ND	ND	ND	ND
	8/7/1996	15.69	--	ND		--	--	--	--	--
	11/21/1996	15.97	--	ND		--	--	--	--	--
	5/25/2005	15.03	ND			ND	ND	ND	ND	ND
	Well Decomissioned 10									
GWP-2	7/21/1995	15.02	--	ND		--	--	--	--	--

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

Well Number	Date	Depth to Water (Feet)	Carbon Tetra-chloride (µg/L)	Carbon disulfide (µg/L)	4-chloro-toluene (µg/L)	Chloro-form (µg/L)	Chloro-methane (µg/L)	1,2-DCB (µg/L)	1,4-DCB (µg/L)	1,1-DCE (µg/L)
	5/1/1996	16.54	ND	ND		ND	ND	ND	ND	ND
	8/7/1996	16.1	--	ND		--	--	--	--	--
	11/21/1996	16.4	ND	ND		ND	ND	ND	ND	ND
	5/25/2005	15.42	ND	ND		ND	ND	ND	ND	ND
	9/16/2008	13.53	ND	ND		ND	ND	ND	ND	ND
GWP-3	7/21/1995	14.18	--	ND		--	--	--	--	--
	5/1/1996	15.71	ND	ND		ND	ND	ND	ND	ND
	8/7/1996	15.31	ND	ND		ND	ND	ND	ND	0.8
	11/21/1996	15.58	ND	ND		ND	ND	ND	ND	ND
	5/25/2005	15.68	ND	ND		ND	ND	ND	ND	ND
	7/17/2006	14.67	ND	ND		ND	ND	ND	ND	ND
	9/13/2007	14.8	ND	ND		ND	ND	ND	ND	ND
DUP-1	5/1/1996	N/A	ND	ND		ND	ND	ND	ND	ND
	8/7/1996	N/A	ND	ND		ND	ND	ND	ND	ND
	11/21/1996	N/A	--	ND		--	--	--	--	--
	5/25/2005	N/A	ND	ND		ND	ND	ND	ND	ND
	7/5/2005	N/A	ND	ND		ND	ND	ND	ND	ND
	7/17/2006	N/A	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 resp
- -	analysis not performed
*	Indicates the EPA establishe http://www.epa.gov/safewate
**	No established MCL could b personnel on 9/12/08 but to
	2015 Results

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

Well Number	Date	Depth to Water (Feet)	1,2-DCA (µg/L)	1,2-Dichloro-propane (µg/L)	Dichloro-difluoro-methane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl Benzene (µg/L)	Methyl-t-butyl-ether (µg/L)	4-Isopropyl toluene (µg/L)
ADEC MCL (ug/L)			5.0	5.0	5.0*	700	3,650	N/A	N/A
MW-1	7/21/1995	14.2	--		--	NA	--	ND	--
	5/1/1996	15.7	ND		ND	NA	ND	ND	ND
	8/7/1996	15.28	--		--	NA	--	ND	--
	11/21/1996	15.57	--		--	NA	--	ND	--
	5/25/2005	14.64	ND		ND	NA	ND	ND	1.2
	7/17/2006	14.62	ND		ND	368	ND	ND	ND
	9/13/2007	14.74	ND		--	1,590	85.4	ND	8.02
	9/16/2008	12.65	ND		--	1,080	56	ND	--
	11/8/2010	--	--		--	--	--	--	--
	2011	--	--		--	--	--	--	--
	9/4/2012	14.93	ND		ND	3,090	117	--	--
	8/14/2013	9.8	ND		ND	2,130	96.4	ND	ND
Duplicate	8/14/2013	9.8	ND		ND	2,150	95.5	ND	ND
	8/27/2014	10.82	ND	ND	ND	1,080	40.7	ND	5.02
Duplicate	8/27/2014	10.82	ND	1.39	ND	1,110	49.3	ND	4.79
	9/28/2015	13.64	ND	ND	ND	1,100	58.2	ND	5.47
Duplicate	9/28/2015	13.64	ND	ND	ND	1,220	62.8	ND	5.31
MW-2	7/21/1995	14.64	ND		ND	ND	--	ND	--
	5/1/1996	16.13	ND		ND	ND	3.53	ND	1.3
	8/7/1996	15.72	ND		ND	ND	ND	ND	ND
	11/21/1996	16.02	ND		ND	ND	1.69	ND	ND
	5/25/2005	15.09	ND		ND	ND	ND	ND	ND
	7/17/2006	Well was ol							
	9/13/2007	15.18	ND		--	ND	ND	ND	ND
	9/16/2008	--	--		--	--	--	--	--
	11/8/2010	16.49	ND		ND	ND	ND	ND	ND
	9/5/2012	15.38	ND		ND	ND	ND	--	--
Duplicate	9/5/2012	15.38	ND		ND	ND	ND	--	--
	8/14/2013	14.6	ND		ND	ND	ND	ND	ND
	8/27/2014	11.29	ND		ND	1.43	ND	ND	ND
	9/28/2015	14.06	ND	ND	ND	ND	ND	ND	ND
MW-3	7/21/1995	13.7	ND		240	ND	--	ND	--
	5/1/1996	15.18	ND		230	ND	ND	ND	7.6
	8/7/1996	14.78	ND		17	ND	1.2	ND	6.5
	11/21/1996	14.29	ND		26.3	ND	1.22	ND	5.76
	5/25/2005	14.12	ND		ND	1.59	ND	ND	3.71
	7/17/2006	14.13	ND		ND	ND	ND	ND	ND
	9/13/2007	14.22	ND		--	ND	ND	ND	1.54
Duplicate	9/13/2007	N/A	ND		--	ND	ND	ND	1.53
	9/16/2008	--	--		--	--	--	--	--
	11/8/2010	15.49	ND		ND	ND	ND	ND	4.0
	9/5/2012	14.35	ND		ND	ND	ND	--	--
	8/14/2013	13.1	ND		ND	ND	ND	ND	ND
	8/27/2014	10.24	ND	ND	ND	ND	ND	ND	4.47
	9/28/2015	13.05	ND	ND	ND	ND	ND	ND	5.03
MW-4	7/21/1995	12.93	ND		ND	ND	--	ND	--
	5/1/1996	14.43	ND		ND	ND	ND	ND	ND
	8/7/1996	14.02	0.77		1.08	ND	ND	ND	ND
	11/21/1996	14.29	ND		ND	ND	ND	ND	ND
	5/25/2005	13.36	ND		ND	ND	ND	ND	ND
	7/18/2006	13.33	ND		ND	ND	ND	ND	ND

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

Well Number	Date	Depth to Water (Feet)	1,2-DCA (µg/L)	1,2-Dichloro-propane (µg/L)	Dichloro-difluoro-methane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl Benzene (µg/L)	Methyl-t-butyl-ether (µg/L)	4-Isopropyl toluene (µg/L)
	9/13/2007	13.5	ND		--	ND	ND	ND	ND
MW-5	5/1/1996	15.68	ND		ND	ND	1.85	ND	3.5
	8/7/1996	15.27	ND		1.09	ND	ND	ND	0.9
	11/21/1996	15.61	ND		ND	ND	ND	ND	0.6
	Well Decomissioned 10								
MW-6	5/1/1996	15.78	ND		ND	ND	3.11	ND	8.89
	8/7/1996	15.35	ND		ND	ND	ND	ND	0.5
	11/21/1996	15.61	ND		ND	ND	ND	ND	ND
	5/25/2005	14.63	ND		ND	ND	ND	ND	ND
	7/14/2005	13.39	ND		ND	ND	ND	ND	ND
	7/17/2006	14.64	ND		ND	ND	ND	ND	ND
	9/13/2007	14.8	ND		--	ND	ND	ND	ND
	9/16/2008	12.74	ND		--	1.33	ND	ND	--
Duplicate	9/16/2008	12.74	ND		--	1.12	ND	ND	--
	11/8/2010	16.13	ND		ND	ND	ND	ND	ND
	9/4/2012	15.00	ND		ND	ND	ND	--	--
	8/14/2013	13.30	ND		ND	ND	ND	ND	ND
	8/27/2014	10.95	ND	ND	ND	ND	ND	ND	ND
	9/28/2015	13.68	ND	ND	ND	ND	ND	ND	ND
MW-7	5/1/1996	16.29	ND		ND	ND	2.5	ND	2.47
	8/7/1996	15.86	ND		3.2	ND	ND	ND	ND
	11/21/1996	16.14	ND		2.97	ND	ND	ND	ND
	5/25/2005	15.28	ND		ND	ND	ND	ND	ND
	7/17/2006	Well was fr							
	9/13/2007	15.35	ND		--	ND	ND	ND	ND
	9/16/2008	--	--		--	--	--	--	--
	11/8/2010	16.67	ND		ND	ND	ND	ND	ND
Duplicate	11/8/2010	16.67	ND		ND	ND	ND	ND	ND
	9/5/2012	15.59	ND		ND	ND	ND	--	--
	8/14/2013	13.3	ND		1.9	ND	ND	ND	ND
	8/27/2014	11.26	ND	ND	ND	ND	ND	ND	ND
	9/28/2015	14.05	ND	ND	ND	ND	ND	ND	ND
MW-8	5/1/1996	16.49	ND		4.01	ND	3.84	ND	4.06
	8/7/1996	16.04	ND		1.4	ND	ND	ND	ND
	11/21/1996	16.33	ND		ND	ND	ND	ND	ND
	5/25/2005	15.43	ND		ND	ND	ND	ND	ND
	Well Decomissioned 10								
MW-9	5/1/1996	15.95	ND		3.56	ND	1.08	ND	2.11
	8/7/1996	15.53	ND		1.3	ND	ND	ND	ND
	11/21/1996	15.84	ND		ND	ND	ND	ND	ND
	5/25/2005	15.04	ND		ND	ND	ND	ND	ND
	Well Decomissioned 10								
GWP-1	7/21/1995	14.62	--		--	ND	--	ND	--
	5/1/1996	16.11	ND		3.63	ND	ND	ND	ND
	8/7/1996	15.69	--		--	ND	--	ND	--
	11/21/1996	15.97	--		--	ND	--	ND	--
	5/25/2005	15.03	ND		ND	ND	2.03	5.65	ND
	Well Decomissioned 10								
GWP-2	7/21/1995	15.02	--		--	ND	--	ND	--

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

Well Number	Date	Depth to Water (Feet)	1,2-DCA (µg/L)	1,2-Dichloro-propane (µg/L)	Dichloro-difluoro-methane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl Benzene (µg/L)	Methyl-t-butyl-ether (µg/L)	4-Isopropyl toluene (µg/L)
	5/1/1996	16.54	ND		3.87	ND	ND	ND	ND
	8/7/1996	16.1	--		--	ND	--	ND	--
	11/21/1996	16.4	ND		ND	ND	ND	ND	ND
	5/25/2005	15.42	ND		ND	ND	ND	ND	ND
	9/16/2008	13.53	ND		--	1.82	ND	ND	--
GWP-3	7/21/1995	14.18	--		--	ND	--	ND	--
	5/1/1996	15.71	ND		4.91	ND	ND	ND	ND
	8/7/1996	15.31	ND		ND	ND	ND	ND	ND
	11/21/1996	15.58	ND		ND	ND	ND	ND	ND
	5/25/2005	15.68	ND		ND	ND	ND	ND	ND
	7/17/2006	14.67	ND		ND	ND	ND	ND	ND
	9/13/2007	14.8	ND		--	6.15	ND	ND	ND
DUP-1	5/1/1996	N/A	ND		ND	ND	ND	ND	ND
	8/7/1996	N/A	ND		630	ND	ND	ND	ND
	11/21/1996	N/A	--		--	ND	--	ND	--
	5/25/2005	N/A	ND		ND	ND	ND	ND	ND
	7/5/2005	N/A	ND		ND	ND	ND	ND	ND
	7/17/2006	N/A	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 resp
--	analysis not performed
*	Indicates the EPA establishe http://www.epa.gov/safewate
**	No established MCL could b personnel on 9/12/08 but to
	2015 Results

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

Well Number	Date	Depth to Water (Feet)	p-Isopropyl-toluene (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Styrene (µg/L)	PCE (µg/L)	Toluene (µg/L)	1,2,3-TCB (µg/L)
ADEC MCL (ug/L)			N/A	700	370	100	5.0	1,000	N/A
MW-1	7/21/1995	14.2	--	--	--		--	NA	
	5/1/1996	15.7	--	--	420		ND	NA	
	8/7/1996	15.28	--	--	--		--	NA	
	11/21/1996	15.57	--	--	--		--	NA	
	5/25/2005	14.64	--	ND	ND		ND	2.24	
	7/17/2006	14.62	--	ND	ND		ND	755	
	9/13/2007	14.74	--	76.8	146		ND	**13,000**	
	9/16/2008	12.65	4.24	51.2	ND		ND	**1,750**	
	11/8/2010	--	--	--	--		--	--	
	2011	--	--	--	--		--	--	
	9/4/2012	14.93	7.4	90.9	176	**183**	ND	**3,670**	4.2
	8/14/2013	9.8	ND	ND	166	ND	ND	**3,410**	ND
Duplicate	8/14/2013	9.8	ND	ND	168	ND	ND	**3,440**	ND
	8/27/2014	10.82	-	45.6	68.7	ND	ND	**1,340**	ND
Duplicate	8/27/2014	10.82	-	47.0	85.1	ND	ND	**1,220**	ND
	9/28/2015	13.64	ND	46.3	112	ND	ND	684	ND
Duplicate	9/28/2015	13.64	ND	48.8	118	ND	ND	759	ND
MW-2	7/21/1995	14.64	--	--	--		20	ND	
	5/1/1996	16.13	--	ND	9.59		1.71	ND	
	8/7/1996	15.72	--	ND	ND		57	ND	
	11/21/1996	16.02	--	ND	4.74		28.4	ND	
	5/25/2005	15.09	--	ND	ND		ND	ND	
	7/17/2006	Well was ol							
	9/13/2007	15.18	--	ND	ND		2.03	ND	
	9/16/2008	--	--	--	--		--	--	
	11/8/2010	16.49	ND	ND	ND		**7.0**	ND	
	9/5/2012	15.38	ND	ND	ND	ND	**5.2**	ND	ND
Duplicate	9/5/2012	15.38	ND	ND	ND	ND	**5.3**	ND	ND
	8/14/2013	14.6	ND	ND	ND	ND	4.7	ND	ND
	8/27/2014	11.29	-	ND	ND	ND	1.3	1.12	ND
	9/28/2015	14.06	ND	ND	ND	ND	ND	ND	ND
MW-3	7/21/1995	13.7	--	--	--		29		
	5/1/1996	15.18	--	9	6.4		23	ND	
	8/7/1996	14.78	--	8.8	2.4		15	ND	
	11/21/1996	14.29	--	11	2.39		13.8	ND	
	5/25/2005	14.12	--	ND	1.17		2.46	ND	
	7/17/2006	14.13	--	ND	ND		1.41	ND	
	9/13/2007	14.22	--	4.56	ND		1.9	ND	
Duplicate	9/13/2007	N/A	--	4.35	ND		1.89	1.94	
	9/16/2008	--	--	--	--		--	--	
	11/8/2010	15.49	4.0	4.0	ND		1.3	ND	
	9/5/2012	14.35	2.2	4.7	ND	ND	1.4	ND	ND
	8/14/2013	13.1	6.2	ND	ND	ND	1.6	ND	ND
	8/27/2014	10.24	-	2.78	ND	ND	1.39	ND	ND
	9/28/2015	13.05	ND	2.17	ND	ND	1.28	ND	ND
MW-4	7/21/1995	12.93	--	--	--		ND	ND	
	5/1/1996	14.43	--	--	ND		ND	ND	
	8/7/1996	14.02	--	--	ND		ND	ND	
	11/21/1996	14.29	--	--	ND		ND	ND	
	5/25/2005	13.36	--	ND	ND		ND	ND	
	7/18/2006	13.33	--	ND	ND		ND	ND	

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

Well Number	Date	Depth to Water (Feet)	p-Isopropyl-toluene (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Styrene (µg/L)	PCE (µg/L)	Toluene (µg/L)	1,2,3-TCB (µg/L)
	9/13/2007	13.5	--	ND	ND		ND	3.03	
MW-5	5/1/1996	15.68	--	--	4.43		ND	ND	
	8/7/1996	15.27	--	--	0.7		1.1	ND	
	11/21/1996	15.61	--	--	0.65		ND	ND	
	Well Decomissioned 10								
MW-6	5/1/1996	15.78	--	--	8.96		5.23	ND	
	8/7/1996	15.35	--	--	ND		5.17	ND	
	11/21/1996	15.61	--	--	ND		5.78	ND	
	5/25/2005	14.63	--	ND	ND		9.24	ND	
	7/14/2005	13.39	--	ND	ND		8.47	ND	
	7/17/2006	14.64	--	ND	ND		6.66	ND	
	9/13/2007	14.8	--	ND	ND		2.36	1.76	
	9/16/2008	12.74	ND	ND	ND		3.07	2.35	
Duplicate	9/16/2008	12.74	ND	ND	ND		2.71	1.97	
	11/8/2010	16.13	ND	ND	ND		2.2	ND	
	9/4/2012	15.00	ND	ND	ND	ND	1.6	ND	ND
	8/14/2013	13.30	ND	ND	ND	ND	1.3	ND	ND
	8/27/2014	10.95	-	ND	ND	ND	2.31	ND	ND
	9/28/2015	13.68	ND	ND	ND	ND	1.61	ND	ND
MW-7	5/1/1996	16.29	--	--	5.78		ND	ND	
	8/7/1996	15.86	--	--	ND		ND	ND	
	11/21/1996	16.14	--	--	ND		ND	ND	
	5/25/2005	15.28	--	ND	ND		ND	ND	
	7/17/2006	Well was fr	--						
	9/13/2007	15.35	--	3.5	ND		ND	6.52	
	9/16/2008	--	--	--	--		--	--	
	11/8/2010	16.67	ND	ND	ND		ND	ND	
Duplicate	11/8/2010	16.67	ND	ND	ND		ND	ND	
	9/5/2012	15.59	ND	ND	ND	ND	ND	ND	
	8/14/2013	13.3	ND	ND	ND	ND	ND	ND	ND
	8/27/2014	11.26	ND	ND	ND	ND	ND	ND	ND
	9/28/2015	14.05	ND	ND	ND	ND	ND	ND	ND
			--						
MW-8	5/1/1996	16.49	--	--	9.67		ND	ND	
	8/7/1996	16.04	--	--	ND		ND	ND	
	11/21/1996	16.33	--	--	ND		ND	ND	
	5/25/2005	15.43	--	ND	ND		ND	ND	
	Well Decomissioned 10		--						
			--						
MW-9	5/1/1996	15.95	--	--	2.95		ND	ND	
	8/7/1996	15.53	--	--	ND		ND	ND	
	11/21/1996	15.84	--	--	ND		ND	ND	
	5/25/2005	15.04	--	ND	ND		ND	ND	
	Well Decomissioned 10		--						
			--						
GWP-1	7/21/1995	14.62	--	--	--		--	ND	
	5/1/1996	16.11	--	--	1.53		ND	ND	
	8/7/1996	15.69	--	--	--		--	ND	
	11/21/1996	15.97	--	--	--		--	ND	
	5/25/2005	15.03	--	ND	ND		ND	ND	
	Well Decomissioned 10								
GWP-2	7/21/1995	15.02	--	--	--		--	ND	

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

Well Number	Date	Depth to Water (Feet)	p-Isopropyl-toluene (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Styrene (µg/L)	PCE (µg/L)	Toluene (µg/L)	1,2,3-TCB (µg/L)
	5/1/1996	16.54	--	--	ND		ND	ND	
	8/7/1996	16.1	--	--	--		--	ND	
	11/21/1996	16.4	--	--	ND		ND	ND	
	5/25/2005	15.42	--	ND	ND		ND	ND	
	9/16/2008	13.53	ND	ND	ND		ND	3.97	
GWP-3	7/21/1995	14.18	--	--	--		--	ND	
	5/1/1996	15.71	--	ND	ND		ND	ND	
	8/7/1996	15.31	--	ND	ND		ND	ND	
	11/21/1996	15.58	--	ND	ND		ND	ND	
	5/25/2005	15.68	--	ND	ND		ND	ND	
	7/17/2006	14.67	--	ND	ND		ND	ND	
	9/13/2007	14.8	--	5.89	ND		ND	22.7	
DUP-1	5/1/1996	N/A	--	--	410		ND	ND	
	8/7/1996	N/A	--	--	ND		ND	ND	
	11/21/1996	N/A	--	--	--		--	ND	
	5/25/2005	N/A	--	ND	ND		ND	ND	
	7/5/2005	N/A	--	ND	ND		ND	ND	
	7/17/2006	N/A	--	ND	ND		6.49	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 resp
--	analysis not performed
*	Indicates the EPA establishe http://www.epa.gov/safewate
**	No established MCL could b personnel on 9/12/08 but to
	2015 Results

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

Well Number	Date	Depth to Water (Feet)	Total BTEX (ug/L)	1,2,4-TCB (µg/L)	1,1,1-Trichloro-ethane (µg/L)	Trichloro-flouro-methane (µg/L)	TCE (µg/L)	1,2,3-Trichloro-propane (µg/L)
ADEC MCL (ug/L)				70	200	11,000	5.0	0.4
MW-1	7/21/1995	14.2	71,300	ND	--	--	--	--
	5/1/1996	15.7	97,300	ND	ND	ND	ND	ND
	8/7/1996	15.28	96,300	ND	--	--	--	--
	11/21/1996	15.57	133,400	ND	--	--	--	--
	5/25/2005	14.64	N/A	ND	ND	ND	ND	ND
	7/17/2006	14.62	2,543	ND	ND	ND	ND	ND
	9/13/2007	14.74	30,285.6	ND	ND	1.78	ND	ND
	9/16/2008	12.65		ND	ND	ND	ND	ND
	11/8/2010	--	--	--	--	--	--	--
	2011	--	--	--	--	--	--	--
	9/4/2012	14.93		--	ND	1.5	ND	ND
	8/14/2013	9.8		ND	ND	ND	ND	ND
Duplicate	8/14/2013	9.8		ND	ND	ND	ND	ND
	8/27/2014	10.82		ND	ND	2.91	ND	ND
Duplicate	8/27/2014	10.82		ND	ND	2.71	ND	ND
	9/28/2015	13.64	6,725	ND	ND	ND	ND	ND
Duplicate	9/28/2015	13.64	8,450	ND	ND	ND	ND	ND
MW-2	7/21/1995	14.64	6.80	ND	57	6.3	ND	--
	5/1/1996	16.13	26	ND	9.39	ND	ND	ND
	8/7/1996	15.72	ND	ND	180	8.9	ND	ND
	11/21/1996	16.02	8.16	ND	48.3	7.19	ND	ND
	5/25/2005	15.09	ND	ND	ND	ND	ND	ND
	7/17/2006	Well was ot						
	9/13/2007	15.18	ND	ND	2.36	ND	ND	ND
	9/16/2008	--	--	--	--	--	--	--
	11/8/2010	16.49		ND	11.7	3.3	ND	ND
	9/5/2012	15.38		--	3.8	1.4	ND	ND
Duplicate	9/5/2012	15.38		--	3.7	1.3	ND	ND
	8/14/2013	14.6		ND	2.6	ND	ND	ND
	8/27/2014	11.29		ND	ND	ND	ND	ND
	9/28/2015	14.06	ND	ND	ND	ND	ND	ND
MW-3	7/21/1995	13.7	NT	ND	ND	6.8	12	--
	5/1/1996	15.18	151	ND	ND	ND	22	ND
	8/7/1996	14.78	29.4	ND	ND	14	2.1	ND
	11/21/1996	14.29	43.4	ND	ND	2.33	3.55	ND
	5/25/2005	14.12	ND	1.59	ND	ND	2.86	ND
	7/17/2006	14.13	ND	ND	ND	ND	ND	ND
	9/13/2007	14.22	ND	ND	ND	ND	ND	ND
Duplicate	9/13/2007	N/A	3.2	ND	ND	ND	ND	ND
	9/16/2008	--	--	--	--	--	--	--
	11/8/2010	15.49		ND	ND	ND	ND	ND
	9/5/2012	14.35		--	ND	ND	ND	ND
	8/14/2013	13.1		ND	ND	ND	ND	ND
	8/27/2014	10.24		ND	ND	ND	ND	ND
	9/28/2015	13.05	ND	ND	ND	ND	ND	ND
MW-4	7/21/1995	12.93	ND	ND	ND	ND	ND	--
	5/1/1996	14.43	ND	ND	ND	ND	ND	ND
	8/7/1996	14.02	ND	ND	ND	ND	ND	ND
	11/21/1996	14.29	ND	ND	ND	ND	ND	ND
	5/25/2005	13.36	ND	ND	ND	ND	ND	ND
	7/18/2006	13.33	ND	ND	ND	ND	ND	ND

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

Well Number	Date	Depth to Water (Feet)	Total BTEX (ug/L)	1,2,4-TCB (µg/L)	1,1,1-Trichloro-ethane (µg/L)	Trichloro-flouro-methane (µg/L)	TCE (µg/L)	1,2,3-Trichloro-propane (µg/L)
	9/13/2007	13.5	6.74	ND	ND	ND	ND	ND
MW-5	5/1/1996	15.68	33.9	ND	ND	ND	ND	ND
	8/7/1996	15.27	7.9	ND	ND	ND	ND	ND
	11/21/1996	15.61	5	ND	ND	ND	ND	ND
	Well Decomissioned 10							
MW-6	5/1/1996	15.78	23.3	ND	2.28	10.1	ND	ND
	8/7/1996	15.35	0.5	ND	1.11	5	0.7	ND
	11/21/1996	15.61	0.67	ND	1.19	7.45	0.53	ND
	5/25/2005	14.63	ND	ND	ND	4.81	ND	ND
	7/14/2005	13.39	ND	ND	ND	4.7	ND	ND
	7/17/2006	14.64	ND	ND	ND	4.45	ND	ND
	9/13/2007	14.8	1.76	ND	ND	7.96	ND	ND
	9/16/2008	12.74		ND	ND	3.9	ND	ND
Duplicate	9/16/2008	12.74		ND	ND	3.57	ND	ND
	11/8/2010	16.13		ND	ND	8.8	ND	ND
	9/4/2012	15.00		--	ND	3.8	ND	ND
	8/14/2013	13.30		ND	ND	4.4	ND	ND
	8/27/2014	10.95		ND	ND	8.13	ND	ND
	9/28/2015	13.68	ND	ND	ND	3.26	ND	ND
MW-7	5/1/1996	16.29	48.3	ND	ND	13.4	ND	ND
	8/7/1996	15.86	ND	ND	ND	70	ND	ND
	11/21/1996	16.14	ND	ND	ND	69	ND	ND
	5/25/2005	15.28	ND	ND	ND	18.6	ND	ND
	7/17/2006	Well was fr						
	9/13/2007	15.35	18.33	ND	ND	15.7	ND	ND
	9/16/2008	--	--	--	--	--	--	--
	11/8/2010	16.67	ND	ND	ND	3.6	ND	ND
Duplicate	11/8/2010	16.67		ND	ND	3.2	ND	ND
	9/5/2012	15.59		--	ND	13.4	ND	ND
	8/14/2013	13.3		ND	ND	4.2	ND	ND
	8/27/2014	11.26		ND	ND	8.13	ND	ND
	9/28/2015	14.05	ND	ND	ND	ND	ND	ND
MW-8	5/1/1996	16.49	110.2	ND	ND	16.4	ND	1.14
	8/7/1996	16.04	1.36	ND	ND	10.8	ND	ND
	11/21/1996	16.33	ND	ND	ND	9.5	ND	ND
	5/25/2005	15.43	ND	ND	ND	ND	ND	ND
	Well Decomissioned 10							
MW-9	5/1/1996	15.95	8.8	ND	ND	ND	ND	ND
	8/7/1996	15.53	ND	ND	ND	ND	ND	ND
	11/21/1996	15.84	ND	ND	ND	ND	ND	ND
	5/25/2005	15.04	ND	ND	ND	ND	ND	ND
	Well Decomissioned 10							
GWP-1	7/21/1995	14.62	1,722	ND	--	--	--	--
	5/1/1996	16.11	134.3	ND	ND	ND	ND	ND
	8/7/1996	15.69	240.3	ND	--	--	--	--
	11/21/1996	15.97	165.62	ND	--	--	--	--
	5/25/2005	15.03	ND	ND	ND	ND	ND	ND
	Well Decomissioned 10							
GWP-2	7/21/1995	15.02	ND	ND	--	--	--	--

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

Well Number	Date	Depth to Water (Feet)	Total BTEX (ug/L)	1,2,4-TCB (µg/L)	1,1,1-Trichloro-ethane (µg/L)	Trichloro-flouro-methane (µg/L)	TCE (µg/L)	1,2,3-Trichloro-propane (µg/L)
	5/1/1996	16.54	ND	ND	ND	33.4	ND	ND
	8/7/1996	16.1	ND	ND	--	--	--	--
	11/21/1996	16.4	ND	ND	ND	44.3	ND	ND
	5/25/2005	15.42	ND	ND	ND	9.99	ND	ND
	9/16/2008	13.53		ND	ND	5.14	ND	ND
GWP-3	7/21/1995	14.18	NT	ND	--	--	--	--
	5/1/1996	15.71	ND	ND	ND	2.22	ND	ND
	8/7/1996	15.31	ND	ND	0.7	1.24	ND	ND
	11/21/1996	15.58	ND	ND	0.69	2.47	ND	ND
	5/25/2005	15.68	ND	ND	ND	1.18	ND	ND
	7/17/2006	14.67	ND	ND	ND	ND	ND	ND
	9/13/2007	14.8	72.15	ND	ND	1.45	ND	ND
DUP-1	5/1/1996	N/A	124,600	ND	ND	ND	ND	ND
	8/7/1996	N/A	110,000	ND	ND	ND	ND	ND
	11/21/1996	N/A	49.86	ND	--	--	--	--
	5/25/2005	N/A	ND	ND	ND	ND	ND	ND
	7/5/2005	N/A	ND	ND	ND	1.72	ND	ND
	7/17/2006	N/A	ND	ND	ND	4.29	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 resp
- -	analysis not performed
*	Indicates the EPA establishe http://www.epa.gov/safewate
**	No established MCL could b personnel on 9/12/08 but to
	2015 Results

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

Well Number	Date	Depth to Water (Feet)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	Total Xylenes (µg/L)	Fluorene (µg/L)	Phen-anthrene (µg/L)
ADEC MCL (ug/L)			1,800	1,800	10,000	1,460	11,000
MW-1	7/21/1995	14.2	--	--	--	--	--
	5/1/1996	15.7	3,000	740	--	--	--
	8/7/1996	15.28	--	--	--	--	--
	11/21/1996	15.57	--	--	--	--	--
	5/25/2005	14.64	69	19.3	317	ND	ND
	7/17/2006	14.62	370	ND	1,420	ND	ND
	9/13/2007	14.74	1,310	356	**15,670**	--	--
	9/16/2008	12.65	735	175	**5,790**	--	--
	11/8/2010	--	--	--	--	--	--
	2011	--	--	--	--	--	--
	9/4/2012	14.93	**2,200**	587	**18,400**	--	--
	8/14/2013	9.8	1,440	383	**13,400**	--	--
Duplicate	8/14/2013	9.8	1,450	385	**13,500**	--	--
	8/27/2014	10.82	923	164	6,480	--	--
Duplicate	8/27/2014	10.82	889	209	6,510	--	--
	9/28/2015	13.64	802	202	5,930	--	--
Duplicate	9/28/2015	13.64	848	210	6,470	--	--
MW-2	7/21/1995	14.64	--	--	ND	--	--
	5/1/1996	16.13	22.2	16.2	ND	ND	ND
	8/7/1996	15.72	ND	ND	ND	ND	ND
	11/21/1996	16.02	8.55	6.61	ND	ND	ND
	5/25/2005	15.09	ND	ND	ND	ND	ND
	7/17/2006	Well was ol					
	9/13/2007	15.18	ND	ND	ND	--	--
	9/16/2008	--	--	--	--	--	--
	11/8/2010	16.49	ND	ND	ND	ND	ND
	9/5/2012	15.38	ND	ND	ND	--	--
Duplicate	9/5/2012	15.38	ND	ND	ND	--	--
	8/14/2013	14.6	ND	ND	ND	--	--
	8/27/2014	11.29	1.34	ND	6.11	--	--
	9/28/2015	14.06	ND	ND	ND	--	--
MW-3	7/21/1995	13.7	--	--	ND	--	--
	5/1/1996	15.18	49	18	ND	1.4	1.7
	8/7/1996	14.78	19.5	9.6	ND	ND	ND
	11/21/1996	14.29	19.9	9.07	ND	0.9	0.8
	5/25/2005	14.12	15.9	5.92	12.4	ND	ND
	7/17/2006	14.13	ND	ND	ND	ND	ND
	9/13/2007	14.22	5.35	2.16	ND	--	--
Duplicate	9/13/2007	N/A	5.09	2.07	1.26	--	--
	9/16/2008	--	--	--	--	--	--
	11/8/2010	15.49	6.1	2.4	ND	ND	ND
	9/5/2012	14.35	1.7	ND	ND	--	--
	8/14/2013	13.1	4.1	1.4	ND	--	--
	8/27/2014	10.24	3.25	1.37	ND	--	--
	9/28/2015	13.05	2.97	ND	ND	--	--
MW-4	7/21/1995	12.93	--	--	ND	--	--
	5/1/1996	14.43	ND	ND	ND	--	--
	8/7/1996	14.02	ND	ND	ND	--	--
	11/21/1996	14.29	ND	ND	ND	--	--
	5/25/2005	13.36	ND	ND	ND	ND	ND
	7/18/2006	13.33	ND	ND	ND	ND	ND

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

Well Number	Date	Depth to Water (Feet)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	Total Xylenes (µg/L)	Fluorene (µg/L)	Phen-anthrene (µg/L)
	9/13/2007	13.5	ND	ND	3.71	--	--
MW-5	5/1/1996	15.68	36.2	15	ND	--	--
	8/7/1996	15.27	7.8	3.3	ND	--	--
	11/21/1996	15.61	6.52	2.38	ND	--	--
	Well Decomissioned 10						
MW-6	5/1/1996	15.78	37.7	11.7	ND	--	--
	8/7/1996	15.35	1.2	0.7	ND	--	--
	11/21/1996	15.61	ND	ND	ND	--	--
	5/25/2005	14.63	ND	ND	ND	ND	ND
	7/14/2005	13.39	ND	ND	ND	ND	ND
	7/17/2006	14.64	ND	ND	ND	ND	ND
	9/13/2007	14.8	ND	ND	ND	--	--
	9/16/2008	12.74	ND	ND	6.35	--	--
Duplicate	9/16/2008	12.74	ND	ND	5.13	--	--
	11/8/2010	16.13	ND	ND	ND	ND	ND
	9/4/2012	15.00	ND	ND	ND	--	--
	8/14/2013	13.30	ND	ND	ND	--	--
	8/27/2014	10.95	ND	ND	ND	--	--
	9/28/2015	13.68	ND	ND	ND	--	--
MW-7	5/1/1996	16.29	25.8	7.45	ND	--	--
	8/7/1996	15.86	ND	ND	ND	--	--
	11/21/1996	16.14	ND	ND	ND	--	--
	5/25/2005	15.28	ND	ND	ND	ND	ND
	7/17/2006	Well was fr					
	9/13/2007	15.35	ND	ND	11.81	--	--
	9/16/2008	--	--	--	--	--	--
	11/8/2010	16.67	ND	ND	ND	ND	ND
Duplicate	11/8/2010	16.67	ND	ND	ND	ND	ND
	9/5/2012	15.59	ND	ND	ND	--	--
	8/14/2013	13.3	ND	ND	ND	--	--
	8/27/2014	11.26	ND	ND	ND	--	--
	9/28/2015	14.05	ND	ND	ND	--	--
MW-8	5/1/1996	16.49	41.8	13	ND	--	--
	8/7/1996	16.04	ND	ND	ND	--	--
	11/21/1996	16.33	ND	ND	ND	--	--
	5/25/2005	15.43	ND	ND	ND	ND	ND
	Well Decomissioned 10						
MW-9	5/1/1996	15.95	11.32	3.43	ND	--	--
	8/7/1996	15.53	ND	ND	ND	--	--
	11/21/1996	15.84	ND	ND	ND	--	--
	5/25/2005	15.04	ND	ND	ND	ND	ND
	Well Decomissioned 10						
GWP-1	7/21/1995	14.62	--	--	ND	--	--
	5/1/1996	16.11	ND	ND	ND	--	--
	8/7/1996	15.69	--	--	ND	--	--
	11/21/1996	15.97	--	--	ND	--	--
	5/25/2005	15.03	ND	ND	ND	ND	ND
	Well Decomissioned 10						
GWP-2	7/21/1995	15.02	--	--	ND	--	--

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

Well Number	Date	Depth to Water (Feet)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	Total Xylenes (µg/L)	Fluorene (µg/L)	Phen-anthrene (µg/L)
	5/1/1996	16.54	ND	ND	ND	--	--
	8/7/1996	16.1	--	--	ND	--	--
	11/21/1996	16.4	ND	ND	ND	--	--
	5/25/2005	15.42	ND	ND	ND	ND	ND
	9/16/2008	13.53	ND	ND	9.84	--	--
GWP-3	7/21/1995	14.18	--	--	ND	--	--
	5/1/1996	15.71	ND	ND	ND	ND	ND
	8/7/1996	15.31	ND	ND	ND	ND	ND
	11/21/1996	15.58	ND	ND	ND	ND	ND
	5/25/2005	15.68	ND	ND	ND	ND	ND
	7/17/2006	14.67	ND	ND	ND	ND	ND
	9/13/2007	14.8	5.83	1.12	43.3	--	--
DUP-1	5/1/1996	N/A	3,100	780	ND	--	--
	8/7/1996	N/A	2,300	710	ND	--	--
	11/21/1996	N/A	--	--	ND	--	--
	5/25/2005	N/A	ND	ND	ND	ND	ND
	7/5/2005	N/A	ND	ND	ND	ND	ND
	7/17/2006	N/A	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 resp
--	analysis not performed
*	Indicates the EPA establishe http://www.epa.gov/safewate
**	No established MCL could b personnel on 9/12/08 but to
	2015 Results

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

Well Number	Date	Depth to Water (Feet)	Fluor-anthene (µg/L)	Pyrene (µg/L)	Acenaph-thylene (µg/L)
ADEC MCL (ug/L)			1,460	1,100	2,200
MW-1	7/21/1995	14.2	--	--	--
	5/1/1996	15.7	--	--	--
	8/7/1996	15.28	--	--	--
	11/21/1996	15.57	--	--	--
	5/25/2005	14.64	ND	ND	ND
	7/17/2006	14.62	ND	ND	ND
	9/13/2007	14.74	--	--	--
	9/16/2008	12.65	--	--	--
	11/8/2010	--	--	--	--
	2011	--	--	--	--
	9/4/2012	14.93	--	--	--
	8/14/2013	9.8	--	--	--
Duplicate	8/14/2013	9.8	--	--	--
	8/27/2014	10.82	--	--	--
Duplicate	8/27/2014	10.82	--	--	--
	9/28/2015	13.64	--	--	--
Duplicate	9/28/2015	13.64	--	--	--
MW-2	7/21/1995	14.64	--	--	--
	5/1/1996	16.13	ND	ND	ND
	8/7/1996	15.72	ND	ND	ND
	11/21/1996	16.02	ND	ND	ND
	5/25/2005	15.09	ND	ND	ND
	7/17/2006	Well was ol			
	9/13/2007	15.18	--	--	--
	9/16/2008	--	--	--	--
	11/8/2010	16.49	ND	ND	ND
	9/5/2012	15.38	--	--	--
Duplicate	9/5/2012	15.38	--	--	--
	8/14/2013	14.6	--	--	--
	8/27/2014	11.29	--	--	--
	9/28/2015	14.06	--	--	--
MW-3	7/21/1995	13.7	--	--	--
	5/1/1996	15.18	1.1	0.3	ND
	8/7/1996	14.78	ND	ND	ND
	11/21/1996	14.29	0.1	0.1	0.3
	5/25/2005	14.12	ND	ND	ND
	7/17/2006	14.13	ND	ND	ND
	9/13/2007	14.22	--	--	--
Duplicate	9/13/2007	N/A	--	--	--
	9/16/2008	--	--	--	--
	11/8/2010	15.49	ND	ND	ND
	9/5/2012	14.35	--	--	--
	8/14/2013	13.1	--	--	--
	8/27/2014	10.24	--	--	--
	9/28/2015	13.05	--	--	--
MW-4	7/21/1995	12.93	--	--	--
	5/1/1996	14.43	--	--	--
	8/7/1996	14.02	--	--	--
	11/21/1996	14.29	--	--	--
	5/25/2005	13.36	ND	ND	ND
	7/18/2006	13.33	ND	ND	ND

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

Well Number	Date	Depth to Water (Feet)	Fluor-anthene (µg/L)	Pyrene (µg/L)	Acenaph-thylene (µg/L)
	9/13/2007	13.5	--	--	--
MW-5	5/1/1996	15.68	--	--	--
	8/7/1996	15.27	--	--	--
	11/21/1996	15.61	--	--	--
	Well Decomissioned 10				
MW-6	5/1/1996	15.78	--	--	--
	8/7/1996	15.35	--	--	--
	11/21/1996	15.61	--	--	--
	5/25/2005	14.63	ND	ND	ND
	7/14/2005	13.39	ND	ND	ND
	7/17/2006	14.64	ND	ND	ND
	9/13/2007	14.8	--	--	--
	9/16/2008	12.74	--	--	--
Duplicate	9/16/2008	12.74	--	--	--
	11/8/2010	16.13	ND	ND	ND
	9/4/2012	15.00	--	--	--
	8/14/2013	13.30	--	--	--
	8/27/2014	10.95	--	--	--
	9/28/2015	13.68	--	--	--
MW-7	5/1/1996	16.29	--	--	--
	8/7/1996	15.86	--	--	--
	11/21/1996	16.14	--	--	--
	5/25/2005	15.28	ND	ND	ND
	7/17/2006	Well was fr			
	9/13/2007	15.35	--	--	--
	9/16/2008	--	--	--	--
	11/8/2010	16.67	ND	ND	ND
Duplicate	11/8/2010	16.67	ND	ND	ND
	9/5/2012	15.59	--	--	--
	8/14/2013	13.3	--	--	--
	8/27/2014	11.26	--	--	--
	9/28/2015	14.05	--	--	--
MW-8	5/1/1996	16.49	--	--	--
	8/7/1996	16.04	--	--	--
	11/21/1996	16.33	--	--	--
	5/25/2005	15.43	ND	ND	ND
	Well Decomissioned 10				
MW-9	5/1/1996	15.95	--	--	--
	8/7/1996	15.53	--	--	--
	11/21/1996	15.84	--	--	--
	5/25/2005	15.04	ND	ND	ND
	Well Decomissioned 10				
GWP-1	7/21/1995	14.62	--	--	--
	5/1/1996	16.11	--	--	--
	8/7/1996	15.69	--	--	--
	11/21/1996	15.97	--	--	--
	5/25/2005	15.03	ND	ND	ND
	Well Decomissioned 10				
GWP-2	7/21/1995	15.02	--	--	--

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

Well Number	Date	Depth to Water (Feet)	Fluor-anthene (µg/L)	Pyrene (µg/L)	Acenaph-thylene (µg/L)
	5/1/1996	16.54	--	--	--
	8/7/1996	16.1	--	--	--
	11/21/1996	16.4	--	--	--
	5/25/2005	15.42	ND	ND	ND
	9/16/2008	13.53	--	--	--
GWP-3	7/21/1995	14.18	--	--	--
	5/1/1996	15.71	ND	ND	ND
	8/7/1996	15.31	ND	ND	ND
	11/21/1996	15.58	ND	ND	ND
	5/25/2005	15.68	ND	ND	ND
	7/17/2006	14.67	ND	ND	ND
	9/13/2007	14.8	--	--	--
DUP-1	5/1/1996	N/A	--	--	--
	8/7/1996	N/A	--	--	--
	11/21/1996	N/A	--	--	--
	5/25/2005	N/A	ND	ND	ND
	7/5/2005	N/A	ND	ND	ND
	7/17/2006	N/A	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 resp
- -	analysis not performed
*	Indicates the EPA establishe http://www.epa.gov/safewate
**	No established MCL could b personnel on 9/12/08 but to
	2015 Results

Laboratory Data Review Checklist

Completed by: Ashley Jaramillo

Title: Staff Chemist Date: October 12, 2015

CS Report Name: Seekins Ford-Lincoln-Mercury Report Date: October 6, 2015

Consultant Firm: Travis/Peterson Environmental Consulting, Inc.

Laboratory Name: Fremont Analytical Laboratory Report Number: 1509430

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:

      VOC samples by SW8260 were transferred from Alaska Analytical Laboratory to Fremont Analytical.

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:

      Upon receipt at Fremont Analytical the temperature blank was below the accepted temperature range (1.2° C). Since the temperature was above freezing temperature and samples were reportedly received in good condition, no data were qualified.

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:

Aside from the temperature discrepancy noted above, no other discrepancies were noted upon sample login. Samples were otherwise all received in good condition.

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?
☐■Yes☐ No ☐NA (Please explain.) Comments:

The temperature discrepancy noted above was documented.

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

Data quality or usability not affected, see comments above.

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:

c. Were all corrective actions documented?
☐■Yes☐ No ☐NA (Please explain.) Comments:

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

The case narrative only described the laboratory qualifications made to the data based on problems encountered during sample receiving and analysis. Any notable data quality issues mentioned in the Case Narrative are discussed within this ADEC checklist.

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 soils.

      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:

      Analytical sensitivity was evaluated to verify that the PQLs met the applicable cleanup levels. Two analytes, 1, 2, 3-trichloropropane and 1, 2-dibromomethane (EDB), did not meet applicable ADEC groundwater levels listed in 18AAC 75.345. Therefore, results of the aforementioned analytes (all non-detect) in all samples have limited usefulness.

      e. Data quality or usability affected?
      Comments:

      Impact to data is minor as neither of the aforementioned analytes are contaminants of concern for this site.

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:

      Not applicable. No analytes were detected in the method blank samples.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?
☐Yes ☐ No ☐■NA (Please explain.) Comments:

No analytes were detected in the method blank samples.

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

Data quality or usability not affected, see comment above.

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:

LCS and MS samples were performed for every VOC analytical batch. However, no LCSD or MSD samples were performed for any VOC analytical batch therefore VOC precision was not evaluated.

ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?
☐Yes ☐ No ☐■NA (Please explain.) Comments:

No metals or inorganic analysis requested.

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:

See comments below.

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/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)
☐■Yes☐ No ☐NA (Please explain.) Comments:

Precision was not evaluated since no LCSD or MSD sample was analyzed.

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

The MS %recoveries for several VOC analytes were outside of control limits. However, the MS recoveries are not applicable top project samples as the MS analysis was performed on another client's sample. Data was not impacted as a result.

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
☐■Yes☐ No ☐■NA (Please explain.) Comments:

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

Data quality or usability not affected. See comment above.

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 samples had failed surrogate recoveries.

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

Data quality or usability not affected. See comment above.

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:

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:

iii. All results less than PQL?
☐■Yes☐ No ☐NA (Please explain.) Comments:

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

Not applicable. No analytes were detected in the trip blank sample.

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

Data quality or usability not affected. See comment above.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?
☐■Yes☐ No ☐NA (Please explain.) Comments:

MW-8 was the field duplicate sample for MW-1.

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)

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

Where R_1 = Sample Concentration
R_2 = Field Duplicate Concentration

☐■Yes☐ No ☐NA (Please explain.) Comments:

All detected field duplicate results were comparable (RPD ≤ 30).

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

Data quality or usability not affected. See comment above.

f. Decontamination or Equipment Blank (If not used explain why).

☐Yes ☐■ No ☐NA (Please explain.) Comments:

Equipment blanks were not required in this sampling event since a peristaltic pump was employed to collect the groundwater samples. New, disposable sampling tubing was used for groundwater collection at each monitoring well.

i. All results less than PQL?

☐Yes ☐ No ☐■NA (Please explain.) Comments:

No decontamination blank was collected.

ii. If above PQL, what samples are affected?

Comments:

Not applicable, no decontamination blank was collected.

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

Comments:

Data quality not affected. See comment above.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)
   a. Defined and appropriate?

☐■Yes☐ No ☐NA (Please explain.) Comments:

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Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Alaska Analytical Laboratory
Kelley Lovejoy
1956 Richardson Hwy
North Pole, AK 99705

RE: Seekins Annual 1197-02
Lab ID: 1509430

October 06, 2015

Attention Kelley Lovejoy:

Fremont Analytical, Inc. received 7 sample(s) on 9/30/2015 for the analyses presented in the following report.

Volatile Organic Compounds by EPA Method 8260

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Mike Ridgeway
President

Fremont Analytical

Date: *10/06/2015*

CLIENT: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02
Lab Order: 1509430

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1509430-001	MW-1	09/28/2015 12:10 PM	09/30/2015 12:28 PM
1509430-002	MW-2	09/28/2015 11:15 AM	09/30/2015 12:28 PM
1509430-003	MW-3	09/28/2015 2:25 PM	09/30/2015 12:28 PM
1509430-004	MW-6	09/28/2015 3:30 PM	09/30/2015 12:28 PM
1509430-005	MW-7	09/28/2015 10:20 AM	09/30/2015 12:28 PM
1509430-006	MW-8	09/28/2015 12:20 PM	09/30/2015 12:28 PM
1509430-007	Trip Blank - 8260	09/23/2015 11:00 AM	09/30/2015 12:28 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Fremont Analytical

Case Narrative

WO#: **1509430**
Date: **10/6/2015**

CLIENT: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below LOQ
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

WO#: **1509430**
Date Reported: **10/6/2015**

Client: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02
Lab ID: 1509430-001
Client Sample ID: **MW-1**

Collection Date: 9/28/2015 12:10:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R25264		Analyst: BC
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Chloromethane	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Vinyl chloride	ND	0.200		µg/L	1	10/2/2015 3:02:00 AM
Bromomethane	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Chloroethane	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Methylene chloride	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	10/2/2015 3:02:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Chloroform	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Benzene	1.45	1.00		µg/L	1	10/2/2015 3:02:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	10/2/2015 3:02:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Dibromomethane	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Toluene	684	100	D	µg/L	100	10/2/2015 4:50:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	10/2/2015 3:02:00 AM
Chlorobenzene	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Ethylbenzene	1,100	100	D	µg/L	100	10/2/2015 4:50:00 PM
m,p-Xylene	4,130	100	D	µg/L	100	10/2/2015 4:50:00 PM
o-Xylene	1,800	100	D	µg/L	100	10/2/2015 4:50:00 PM
Styrene	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
Isopropylbenzene	58.2	100	D	µg/L	100	10/2/2015 4:50:00 PM
Bromoform	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM

Client: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02
Lab ID: 1509430-001
Client Sample ID: **MW-1**

Collection Date: 9/28/2015 12:10:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R25264		Analyst: BC
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
n-Propylbenzene	112	100	D	µg/L	100	10/2/2015 4:50:00 PM
Bromobenzene	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,3,5-Trimethylbenzene	202	100	D	µg/L	100	10/2/2015 4:50:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	10/2/2015 3:02:00 AM
sec-Butylbenzene	6.89	1.00		µg/L	1	10/2/2015 3:02:00 AM
4-Isopropyltoluene	5.47	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
n-Butylbenzene	13.4	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	10/2/2015 3:02:00 AM
1,2,4-Trimethylbenzene	802	100	D	µg/L	100	10/2/2015 4:50:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	10/2/2015 3:02:00 AM
Naphthalene	46.3	100	D	µg/L	100	10/2/2015 4:50:00 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	10/2/2015 3:02:00 AM
Surr: Dibromofluoromethane	102	45.4-152		%REC	1	10/2/2015 3:02:00 AM
Surr: Toluene-d8	103	40.1-139		%REC	1	10/2/2015 3:02:00 AM
Surr: 1-Bromo-4-fluorobenzene	102	64.2-128		%REC	1	10/2/2015 3:02:00 AM

Analytical Report

WO#: **1509430**
Date Reported: **10/6/2015**

Client: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02
Lab ID: 1509430-002
Client Sample ID: **MW-2**

Collection Date: 9/28/2015 11:15:00 AM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R25264		Analyst: BC
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Chloromethane	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Vinyl chloride	ND	0.200		µg/L	1	10/2/2015 3:30:00 AM
Bromomethane	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Chloroethane	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Methylene chloride	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	10/2/2015 3:30:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Chloroform	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Benzene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	10/2/2015 3:30:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Dibromomethane	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Toluene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	10/2/2015 3:30:00 AM
Chlorobenzene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Ethylbenzene	ND	1.00		µg/L	1	10/2/2015 2:56:00 PM
m,p-Xylene	ND	1.00		µg/L	1	10/2/2015 2:56:00 PM
o-Xylene	ND	1.00		µg/L	1	10/2/2015 2:56:00 PM
Styrene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Bromoform	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM

Client: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02
Lab ID: 1509430-002
Client Sample ID: **MW-2**

Collection Date: 9/28/2015 11:15:00 AM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R25264		Analyst: BC
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
Bromobenzene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	10/2/2015 3:30:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	10/2/2015 2:56:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	10/2/2015 3:30:00 AM
Naphthalene	ND	1.00		µg/L	1	10/2/2015 3:30:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	10/2/2015 3:30:00 AM
Surr: Dibromofluoromethane	96.0	45.4-152		%REC	1	10/2/2015 3:30:00 AM
Surr: Toluene-d8	101	40.1-139		%REC	1	10/2/2015 3:30:00 AM
Surr: 1-Bromo-4-fluorobenzene	96.6	64.2-128		%REC	1	10/2/2015 3:30:00 AM

Client: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02
Lab ID: 1509430-003
Client Sample ID: MW-3

Collection Date: 9/28/2015 2:25:00 PM
Matrix: Water

Volatile Organic Compounds by EPA Method 8260

Batch ID: R25264 Analyst: BC

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Chloromethane	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Vinyl chloride	ND	0.200		µg/L	1	10/2/2015 3:59:00 AM
Bromomethane	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Chloroethane	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Methylene chloride	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	10/2/2015 3:59:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Chloroform	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Benzene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	10/2/2015 3:59:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Dibromomethane	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Toluene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Tetrachloroethene (PCE)	1.28	1.00		µg/L	1	10/2/2015 3:59:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	10/2/2015 3:59:00 AM
Chlorobenzene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Ethylbenzene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
m,p-Xylene	ND	1.00		µg/L	1	10/2/2015 3:24:00 PM
o-Xylene	ND	1.00		µg/L	1	10/2/2015 3:24:00 PM
Styrene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Bromoform	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM

Client: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02
Lab ID: 1509430-003
Client Sample ID: MW-3

Collection Date: 9/28/2015 2:25:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R25264		Analyst: BC
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
Bromobenzene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	10/2/2015 3:24:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	10/2/2015 3:59:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
4-Isopropyltoluene	5.03	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,2-Dichlorobenzene	5.31	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,2,4-Trimethylbenzene	2.97	1.00		µg/L	1	10/2/2015 3:59:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	10/2/2015 3:59:00 AM
Naphthalene	2.17	1.00		µg/L	1	10/2/2015 3:59:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	10/2/2015 3:59:00 AM
Surr: Dibromofluoromethane	98.0	45.4-152		%REC	1	10/2/2015 3:59:00 AM
Surr: Toluene-d8	99.1	40.1-139		%REC	1	10/2/2015 3:59:00 AM
Surr: 1-Bromo-4-fluorobenzene	96.8	64.2-128		%REC	1	10/2/2015 3:59:00 AM

Client: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02
Lab ID: 1509430-004
Client Sample ID: MW-6

Collection Date: 9/28/2015 3:30:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R25264		Analyst: BC
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Chloromethane	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Vinyl chloride	ND	0.200		µg/L	1	10/2/2015 4:27:00 AM
Bromomethane	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Trichlorofluoromethane (CFC-11)	3.26	1.00		µg/L	1	10/2/2015 4:27:00 AM
Chloroethane	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Methylene chloride	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	10/2/2015 4:27:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Chloroform	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Benzene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	10/2/2015 4:27:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Dibromomethane	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Toluene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Tetrachloroethene (PCE)	1.61	1.00		µg/L	1	10/2/2015 4:27:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	10/2/2015 4:27:00 AM
Chlorobenzene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Ethylbenzene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
m,p-Xylene	ND	1.00		µg/L	1	10/2/2015 3:53:00 PM
o-Xylene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Styrene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Bromoform	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM

Client: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02
Lab ID: 1509430-004
Client Sample ID: **MW-6**

Collection Date: 9/28/2015 3:30:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R25264		Analyst: BC
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Bromobenzene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	10/2/2015 4:27:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	10/2/2015 4:27:00 AM
Naphthalene	ND	1.00		µg/L	1	10/2/2015 4:27:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	10/2/2015 4:27:00 AM
Surr: Dibromofluoromethane	98.7	45.4-152		%REC	1	10/2/2015 4:27:00 AM
Surr: Toluene-d8	99.5	40.1-139		%REC	1	10/2/2015 4:27:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.8	64.2-128		%REC	1	10/2/2015 4:27:00 AM

Analytical Report

WO#: **1509430**
Date Reported: **10/6/2015**

Client: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02
Lab ID: 1509430-005
Client Sample ID: **MW-7**

Collection Date: 9/28/2015 10:20:00 AM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R25264		Analyst: BC
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Chloromethane	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Vinyl chloride	ND	0.200		µg/L	1	10/2/2015 4:56:00 AM
Bromomethane	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Chloroethane	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Methylene chloride	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	10/2/2015 4:56:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Chloroform	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Benzene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	10/2/2015 4:56:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Dibromomethane	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Toluene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	10/2/2015 4:56:00 AM
Chlorobenzene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Ethylbenzene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
m,p-Xylene	ND	1.00		µg/L	1	10/2/2015 4:22:00 PM
o-Xylene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Styrene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Bromoform	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM

Client: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02
Lab ID: 1509430-005
Client Sample ID: **MW-7**

Collection Date: 9/28/2015 10:20:00 AM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R25264		Analyst: BC
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Bromobenzene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	10/2/2015 4:56:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	10/2/2015 4:56:00 AM
Naphthalene	ND	1.00		µg/L	1	10/2/2015 4:56:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	10/2/2015 4:56:00 AM
Surr: Dibromofluoromethane	97.9	45.4-152		%REC	1	10/2/2015 4:56:00 AM
Surr: Toluene-d8	99.3	40.1-139		%REC	1	10/2/2015 4:56:00 AM
Surr: 1-Bromo-4-fluorobenzene	96.4	64.2-128		%REC	1	10/2/2015 4:56:00 AM

Client: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02
Lab ID: 1509430-006
Client Sample ID: MW-8

Collection Date: 9/28/2015 12:20:00 PM
Matrix: Water

Volatile Organic Compounds by EPA Method 8260 Batch ID: R25264 Analyst: BC

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Chloromethane	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Vinyl chloride	ND	0.200		µg/L	1	10/2/2015 5:25:00 AM
Bromomethane	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Chloroethane	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Methylene chloride	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	10/2/2015 5:25:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Chloroform	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Benzene	1.40	1.00		µg/L	1	10/2/2015 5:25:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	10/2/2015 5:25:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Dibromomethane	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Toluene	759	100	D	µg/L	100	10/2/2015 5:19:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	10/2/2015 5:25:00 AM
Chlorobenzene	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Ethylbenzene	1,220	100	D	µg/L	100	10/2/2015 5:19:00 PM
m,p-Xylene	4,490	100	D	µg/L	100	10/2/2015 5:19:00 PM
o-Xylene	1,980	100	D	µg/L	100	10/2/2015 5:19:00 PM
Styrene	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
Isopropylbenzene	62.8	100	D	µg/L	100	10/2/2015 5:19:00 PM
Bromoform	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM

Client: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02
Lab ID: 1509430-006
Client Sample ID: **MW-8**

Collection Date: 9/28/2015 12:20:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R25264		Analyst: BC
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
n-Propylbenzene	118	100	D	µg/L	100	10/2/2015 5:19:00 PM
Bromobenzene	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,3,5-Trimethylbenzene	210	100	D	µg/L	100	10/2/2015 5:19:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	10/2/2015 5:25:00 AM
sec-Butylbenzene	6.66	1.00		µg/L	1	10/2/2015 5:25:00 AM
4-Isopropyltoluene	5.31	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
n-Butylbenzene	13.2	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	10/2/2015 5:25:00 AM
1,2,4-Trimethylbenzene	848	100	D	µg/L	100	10/2/2015 5:19:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	10/2/2015 5:25:00 AM
Naphthalene	48.8	100	D	µg/L	100	10/2/2015 5:19:00 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	10/2/2015 5:25:00 AM
Surr: Dibromofluoromethane	102	45.4-152		%REC	1	10/2/2015 5:25:00 AM
Surr: Toluene-d8	102	40.1-139		%REC	1	10/2/2015 5:25:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.9	64.2-128		%REC	1	10/2/2015 5:25:00 AM

Client: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02
Lab ID: 1509430-007
Client Sample ID: Trip Blank - 8260

Collection Date: 9/23/2015 11:00:00 AM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R25264		Analyst: BC
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Chloromethane	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Vinyl chloride	ND	0.200		µg/L	1	10/1/2015 6:26:00 PM
Bromomethane	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Chloroethane	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Methylene chloride	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	10/1/2015 6:26:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Chloroform	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Benzene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	10/1/2015 6:26:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Dibromomethane	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Toluene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	10/1/2015 6:26:00 PM
Chlorobenzene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Ethylbenzene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
m,p-Xylene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
o-Xylene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Styrene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Bromoform	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM

Client: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02
Lab ID: 1509430-007
Client Sample ID: **Trip Blank - 8260**

Collection Date: 9/23/2015 11:00:00 AM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R25264		Analyst: BC
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Bromobenzene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	10/1/2015 6:26:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	10/1/2015 6:26:00 PM
Naphthalene	ND	1.00		µg/L	1	10/1/2015 6:26:00 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	10/1/2015 6:26:00 PM
Surr: Dibromofluoromethane	99.1	45.4-152		%REC	1	10/1/2015 6:26:00 PM
Surr: Toluene-d8	97.8	40.1-139		%REC	1	10/1/2015 6:26:00 PM
Surr: 1-Bromo-4-fluorobenzene	97.8	64.2-128		%REC	1	10/1/2015 6:26:00 PM

Fremont Analytical

Date: *10/6/2015*

Work Order: 1509430
CLIENT: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID	LCS-R25264	SampType:	LCS	Units:	µg/L	Prep Date:	10/1/2015	RunNo:	25264
Client ID:	LCSW	Batch ID:	R25264			Analysis Date:	10/1/2015	SeqNo:	476371

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	20.7	1.00	20.00	0	104	43	136				
Chloromethane	19.9	1.00	20.00	0	99.3	43.9	139				
Vinyl chloride	20.0	0.200	20.00	0	100	53.6	139				
Bromomethane	22.4	1.00	20.00	0	112	42.5	152				
Trichlorofluoromethane (CFC-11)	19.9	1.00	20.00	0	99.7	63.7	133				
Chloroethane	18.6	1.00	20.00	0	92.8	53	141				
1,1-Dichloroethene	19.8	1.00	20.00	0	99.1	65.6	136				
Methylene chloride	19.2	1.00	20.00	0	96.0	67.1	131				
trans-1,2-Dichloroethene	19.2	1.00	20.00	0	96.1	71.7	129				
Methyl tert-butyl ether (MTBE)	16.7	1.00	20.00	0	83.6	67.7	131				
1,1-Dichloroethane	19.4	1.00	20.00	0	96.8	67.9	134				
2,2-Dichloropropane	21.2	2.00	20.00	0	106	33.7	152				
cis-1,2-Dichloroethene	19.0	1.00	20.00	0	95.0	71.1	130				
Chloroform	17.8	1.00	20.00	0	88.9	66.3	131				
1,1,1-Trichloroethane (TCA)	19.7	1.00	20.00	0	98.3	71	131				
1,1-Dichloropropene	17.7	1.00	20.00	0	88.5	74.5	126				
Carbon tetrachloride	19.1	1.00	20.00	0	95.4	66.2	134				
1,2-Dichloroethane (EDC)	16.2	1.00	20.00	0	81.0	68.8	123				
Benzene	19.8	1.00	20.00	0	99.1	69.3	132				
Trichloroethene (TCE)	18.0	0.500	20.00	0	90.0	65.2	136				
1,2-Dichloropropane	17.4	1.00	20.00	0	87.2	70.5	130				
Bromodichloromethane	18.6	1.00	20.00	0	93.2	67.2	137				
Dibromomethane	18.9	1.00	20.00	0	94.3	75.5	126				
cis-1,3-Dichloropropene	22.1	1.00	20.00	0	111	62.6	137				
Toluene	20.7	1.00	20.00	0	104	61.3	145				
trans-1,3-Dichloropropene	18.6	1.00	20.00	0	92.9	58.5	142				
1,1,2-Trichloroethane	17.2	1.00	20.00	0	85.9	71.7	131				
1,3-Dichloropropane	17.1	1.00	20.00	0	85.4	73.5	127				
Tetrachloroethene (PCE)	19.8	1.00	20.00	0	99.0	47.5	147				
Dibromochloromethane	22.5	1.00	20.00	0	113	67.2	134				
1,2-Dibromoethane (EDB)	19.1	0.0600	20.00	0	95.5	73.6	125				

Work Order: 1509430
CLIENT: Alaska Analytical Laboratory
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QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID LCS-R25264	SampType: LCS			Units: µg/L		Prep Date: 10/1/2015		RunNo: 25264			
Client ID: LCSW	Batch ID: R25264					Analysis Date: 10/1/2015		SeqNo: 476371			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	18.4	1.00	20.00	0	91.9	73.9	126				
1,1,1,2-Tetrachloroethane	20.5	1.00	20.00	0	103	76.8	124				
Ethylbenzene	20.4	1.00	20.00	0	102	72	130				
m,p-Xylene	41.2	1.00	40.00	0	103	70.3	134				
o-Xylene	20.7	1.00	20.00	0	104	72.1	131				
Styrene	19.1	1.00	20.00	0	95.4	64.3	140				
Isopropylbenzene	19.1	1.00	20.00	0	95.7	73.9	128				
Bromoform	18.5	1.00	20.00	0	92.4	63.8	135				
1,1,2,2-Tetrachloroethane	17.0	1.00	20.00	0	84.9	62.9	132				
n-Propylbenzene	19.3	1.00	20.00	0	96.4	74.5	127				
Bromobenzene	18.2	1.00	20.00	0	90.8	71	131				
1,3,5-Trimethylbenzene	18.2	1.00	20.00	0	90.9	73.1	128				
2-Chlorotoluene	18.1	1.00	20.00	0	90.6	70.8	130				
4-Chlorotoluene	18.4	1.00	20.00	0	92.0	70.1	131				
tert-Butylbenzene	18.9	1.00	20.00	0	94.3	68.2	131				
1,2,3-Trichloropropane	16.5	1.00	20.00	0	82.6	67.7	131				
1,2,4-Trichlorobenzene	19.3	2.00	20.00	0	96.6	51.8	152				
sec-Butylbenzene	19.2	1.00	20.00	0	96.0	72	129				
4-Isopropyltoluene	19.6	1.00	20.00	0	97.8	69.2	130				
1,3-Dichlorobenzene	18.0	1.00	20.00	0	89.8	72.4	129				
1,4-Dichlorobenzene	21.0	1.00	20.00	0	105	70.6	128				
n-Butylbenzene	21.3	1.00	20.00	0	106	73.8	127				
1,2-Dichlorobenzene	17.2	1.00	20.00	0	86.1	74.2	129				
1,2-Dibromo-3-chloropropane	19.7	1.00	20.00	0	98.5	63.1	136				
1,2,4-Trimethylbenzene	18.3	1.00	20.00	0	91.4	73.4	127				
Hexachlorobutadiene	20.0	4.00	20.00	0	100	58.6	138				
Naphthalene	17.3	1.00	20.00	0	86.4	41.8	165				
1,2,3-Trichlorobenzene	18.1	4.00	20.00	0	90.3	48.7	156				
Surr: Dibromofluoromethane	24.8		25.00		99.1	45.4	152				
Surr: Toluene-d8	25.6		25.00		102	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	24.7		25.00		98.7	64.2	128				

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QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID	LCS-R25264	SampType:	LCS			Units:	µg/L		Prep Date:	10/1/2015		RunNo:	25264	
Client ID:	LCSW	Batch ID:	R25264						Analysis Date:	10/1/2015		SeqNo:	476371	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		

Sample ID	MB-R25264	SampType:	MBLK			Units:	µg/L		Prep Date:	10/1/2015		RunNo:	25264	
Client ID:	MBLKW	Batch ID:	R25264						Analysis Date:	10/1/2015		SeqNo:	476372	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Dichlorodifluoromethane (CFC-12)		ND	1.00											
Chloromethane		ND	1.00											
Vinyl chloride		ND	0.200											
Bromomethane		ND	1.00											
Trichlorofluoromethane (CFC-11)		ND	1.00											
Chloroethane		ND	1.00											
1,1-Dichloroethene		ND	1.00											
Methylene chloride		ND	1.00											
trans-1,2-Dichloroethene		ND	1.00											
Methyl tert-butyl ether (MTBE)		ND	1.00											
1,1-Dichloroethane		ND	1.00											
2,2-Dichloropropane		ND	2.00											
cis-1,2-Dichloroethene		ND	1.00											
Chloroform		ND	1.00											
1,1,1-Trichloroethane (TCA)		ND	1.00											
1,1-Dichloropropene		ND	1.00											
Carbon tetrachloride		ND	1.00											
1,2-Dichloroethane (EDC)		ND	1.00											
Benzene		ND	1.00											
Trichloroethene (TCE)		ND	0.500											
1,2-Dichloropropane		ND	1.00											
Bromodichloromethane		ND	1.00											
Dibromomethane		ND	1.00											
cis-1,3-Dichloropropene		ND	1.00											
Toluene		ND	1.00											
trans-1,3-Dichloropropene		ND	1.00											

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Date: *10/6/2015*

Work Order: 1509430
CLIENT: Alaska Analytical Laboratory
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QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID **MB-R25264**	SampType: **MBLK**		Units: **µg/L**	Prep Date: **10/1/2015**		RunNo: **25264**	
Client ID: **MBLKW**	Batch ID: **R25264**			Analysis Date: **10/1/2015**		SeqNo: **476372**	

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	ND	1.00									
1,3-Dichloropropane	ND	1.00									
Tetrachloroethene (PCE)	ND	1.00									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.0600									
Chlorobenzene	ND	1.00									
1,1,1,2-Tetrachloroethane	ND	1.00									
Ethylbenzene	ND	1.00									
m,p-Xylene	ND	1.00									
o-Xylene	ND	1.00									
Styrene	ND	1.00									
Isopropylbenzene	ND	1.00									
Bromoform	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
n-Propylbenzene	ND	1.00									
Bromobenzene	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
2-Chlorotoluene	ND	1.00									
4-Chlorotoluene	ND	1.00									
tert-Butylbenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	2.00									
sec-Butylbenzene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
n-Butylbenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	4.00									

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QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID **MB-R25264**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **10/1/2015**		RunNo: **25264**		
Client ID: **MBLKW**	Batch ID: **R25264**					Analysis Date: **10/1/2015**		SeqNo: **476372**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	1.00									
1,2,3-Trichlorobenzene	ND	4.00									
Surr: Dibromofluoromethane	24.3		25.00		97.2	45.4	152				
Surr: Toluene-d8	24.4		25.00		97.7	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	24.9		25.00		99.6	64.2	128				

Sample ID **1509435-012BDUP**	SampType: **DUP**			Units: **µg/L**		Prep Date: **10/1/2015**		RunNo: **25264**		
Client ID: **BATCH**	Batch ID: **R25264**					Analysis Date: **10/1/2015**		SeqNo: **476364**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	
Chloromethane	ND	1.00						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.00						0		30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	
Methyl tert-butyl ether (MTBE)	ND	1.00						0		30	
1,1-Dichloroethane	ND	1.00						0		30	
2,2-Dichloropropane	ND	2.00						0		30	
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	1.00						0		30	
1,2-Dichloroethane (EDC)	ND	1.00						0		30	
Benzene	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	1.00						0		30	

Work Order: 1509430
CLIENT: Alaska Analytical Laboratory
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QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID **1509435-012BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **10/1/2015** RunNo: **25264**
Client ID: **BATCH** Batch ID: **R25264** Analysis Date: **10/1/2015** SeqNo: **476364**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
Toluene	ND	1.00						0		30	
trans-1,3-Dichloropropene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.0600						0		30	
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Ethylbenzene	ND	1.00						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	1.00						0		30	
Styrene	ND	1.00						0		30	
Isopropylbenzene	ND	1.00						0		30	
Bromoform	ND	1.00						0		30	
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
n-Propylbenzene	ND	1.00						0		30	
Bromobenzene	ND	1.00						0		30	
1,3,5-Trimethylbenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
tert-Butylbenzene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	
sec-Butylbenzene	ND	1.00						0		30	
4-Isopropyltoluene	ND	1.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	

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Volatile Organic Compounds by EPA Method 8260

Sample ID 1509435-012BDUP	SampType: DUP			Units: µg/L		Prep Date: 10/1/2015		RunNo: 25264		
Client ID: BATCH	Batch ID: R25264					Analysis Date: 10/1/2015		SeqNo: 476364		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	1.00						0		30	
Hexachlorobutadiene	ND	4.00						0		30	
Naphthalene	ND	1.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	24.7		25.00		98.7	45.4	152		0		
Surr: Toluene-d8	24.6		25.00		98.2	40.1	139		0		
Surr: 1-Bromo-4-fluorobenzene	24.9		25.00		99.5	64.2	128		0		

Sample ID 1509434-001ADUP	SampType: DUP			Units: µg/L		Prep Date: 10/1/2015		RunNo: 25264		
Client ID: BATCH	Batch ID: R25264					Analysis Date: 10/1/2015		SeqNo: 476359		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	
Chloromethane	ND	1.00						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.00						0		30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	
Methyl tert-butyl ether (MTBE)	ND	1.00						0		30	
1,1-Dichloroethane	ND	1.00						0		30	
2,2-Dichloropropane	ND	2.00						0		30	
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	

Work Order: 1509430
CLIENT: Alaska Analytical Laboratory
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QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID 1509434-001ADUP	SampType: DUP			Units: µg/L		Prep Date: 10/1/2015			RunNo: 25264		
Client ID: BATCH	Batch ID: R25264					Analysis Date: 10/1/2015			SeqNo: 476359		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	ND	1.00						0		30	
1,2-Dichloroethane (EDC)	ND	1.00						0		30	
Benzene	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	1.00						0		30	
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
Toluene	ND	1.00						0		30	
trans-1,3-Dichloropropene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.0600						0		30	
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Ethylbenzene	ND	1.00						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	1.00						0		30	
Styrene	ND	1.00						0		30	
Isopropylbenzene	ND	1.00						0		30	
Bromoform	ND	1.00						0		30	
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
n-Propylbenzene	ND	1.00						0		30	
Bromobenzene	ND	1.00						0		30	
1,3,5-Trimethylbenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
tert-Butylbenzene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	

Work Order: 1509430
CLIENT: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID 1509434-001ADUP	SampType: DUP			Units: µg/L		Prep Date: 10/1/2015		RunNo: 25264		
Client ID: BATCH	Batch ID: R25264					Analysis Date: 10/1/2015		SeqNo: 476359		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	2.00						0		30	
sec-Butylbenzene	ND	1.00						0		30	
4-Isopropyltoluene	ND	1.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	
n-Butylbenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	1.00						0		30	
Hexachlorobutadiene	ND	4.00						0		30	
Naphthalene	ND	1.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	24.8		25.00		99.2	45.4	152		0		
Surr: Toluene-d8	24.7		25.00		98.7	40.1	139		0		
Surr: 1-Bromo-4-fluorobenzene	24.6		25.00		98.5	64.2	128		0		

Sample ID 1509427-004AMS	SampType: MS			Units: µg/L		Prep Date: 10/2/2015		RunNo: 25264		
Client ID: BATCH	Batch ID: R25264					Analysis Date: 10/2/2015		SeqNo: 476349		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	23.4	1.00	20.00	0	117	33.3	122				
Chloromethane	21.5	0.500	20.00	0	107	48.2	145				
Vinyl chloride	20.5	0.200	20.00	0	103	58.1	158				
Bromomethane	23.3	0.500	20.00	0	116	31.5	135				
Trichlorofluoromethane (CFC-11)	21.1	0.500	20.00	0	106	54.7	138				
Chloroethane	19.5	0.500	20.00	0	97.5	49.9	143				
1,1-Dichloroethene	22.6	0.500	20.00	0	113	63	141				
Methylene chloride	20.8	1.00	20.00	0	104	61.6	135				
trans-1,2-Dichloroethene	21.4	0.500	20.00	0	107	63.5	138				
Methyl tert-butyl ether (MTBE)	21.3	1.00	20.00	0	107	60.9	132				
1,1-Dichloroethane	24.0	0.500	20.00	0	120	67.8	136				

Fremont Analytical

Date: 10/6/2015

Work Order: 1509430
CLIENT: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID 1509427-004AMS	SampType: MS			Units: µg/L		Prep Date: 10/2/2015		RunNo: 25264			
Client ID: BATCH	Batch ID: R25264					Analysis Date: 10/2/2015		SeqNo: 476349			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	18.0	1.00	20.00	0	90.1	31.5	121				
cis-1,2-Dichloroethene	21.8	0.500	20.00	0	109	67.1	123				
Chloroform	21.8	1.00	20.00	0	109	66.7	136				
1,1,1-Trichloroethane (TCA)	21.6	0.500	20.00	0	108	64.2	146				
1,1-Dichloropropene	20.4	0.500	20.00	0	102	73.8	136				
Carbon tetrachloride	18.7	0.500	20.00	0	93.5	62.7	146				
1,2-Dichloroethane (EDC)	20.3	0.500	20.00	0	102	63.4	137				
Benzene	382	1.00	20.00	395.1	-64.4	65.4	138				SE
Trichloroethene (TCE)	26.3	0.500	20.00	0	132	60.4	134				
1,2-Dichloropropane	21.1	0.500	20.00	0	106	62.6	138				
Bromodichloromethane	28.1	0.500	20.00	0	140	59.4	139				S
Dibromomethane	23.2	0.500	20.00	0	116	63.6	139				
cis-1,3-Dichloropropene	24.8	0.500	20.00	0	124	63.8	132				
Toluene	298	1.00	20.00	280.9	85.5	64	139				E
trans-1,3-Dichloropropene	20.5	0.500	20.00	0	102	57.7	125				
1,1,2-Trichloroethane	21.7	0.500	20.00	0	109	59.4	127				
1,3-Dichloropropane	20.9	0.500	20.00	0	104	64.3	135				
Tetrachloroethene (PCE)	18.2	0.500	20.00	0	91.2	50.3	133				
Dibromochloromethane	23.0	0.500	20.00	0	115	61.6	139				
1,2-Dibromoethane (EDB)	22.9	0.200	20.00	0	114	63.2	134				
Chlorobenzene	18.0	0.500	20.00	0	90.2	65.8	134				
1,1,1,2-Tetrachloroethane	15.4	0.500	20.00	0	77.1	65.4	135				
Ethylbenzene	284	1.00	20.00	314.3	-150	64.5	136				SE
m,p-Xylene	1,060	1.00	40.00	1,192	-325	63.3	135				SE
o-Xylene	674	1.00	20.00	736.2	-310	65.4	134				SE
Styrene	69.5	1.00	20.00	0	347	59.1	134				S
Isopropylbenzene	89.4	1.00	20.00	100.6	-55.9	56	147				S
Bromoform	16.3	0.500	20.00	0	81.3	57.7	139				
1,1,2,2-Tetrachloroethane	19.5	0.500	20.00	0	97.4	59.8	146				
n-Propylbenzene	142	1.00	20.00	0	708	57.6	142				S
Bromobenzene	18.0	0.500	20.00	0	90.2	63.6	130				

Fremont Analytical

Date: *10/6/2015*

Work Order: 1509430
CLIENT: Alaska Analytical Laboratory
Project: Seekins Annual 1197-02

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID **1509427-004AMS**	SampType: **MS**			Units: **µg/L**		Prep Date: **10/2/2015**		RunNo: **25264**			
Client ID: **BATCH**	Batch ID: **R25264**					Analysis Date: **10/2/2015**		SeqNo: **476349**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	217	1.00	20.00	250.2	-164	59.9	136				SE
2-Chlorotoluene	39.0	0.500	20.00	0	195	61.7	134				S
4-Chlorotoluene	79.7	0.500	20.00	0	398	58.4	134				S
tert-Butylbenzene	10.6	1.00	20.00	0	53.0	66.8	141				S
1,2,3-Trichloropropane	19.5	0.500	20.00	0	97.4	62.4	129				
1,2,4-Trichlorobenzene	12.0	1.00	20.00	0	59.9	50.9	133				
sec-Butylbenzene	18.9	1.00	20.00	0	94.6	56	146				
4-Isopropyltoluene	17.8	1.00	20.00	12.49	26.7	56.4	136				S
1,3-Dichlorobenzene	13.8	0.500	20.00	0	68.8	58.2	128				
1,4-Dichlorobenzene	16.5	0.500	20.00	0	82.4	60.1	123				
n-Butylbenzene	67.9	1.00	20.00	93.87	-130	54.6	135				SE
1,2-Dichlorobenzene	14.0	0.500	20.00	0	69.9	65.4	133				
1,2-Dibromo-3-chloropropane	54.0	0.500	20.00	0	270	51.8	142				S
1,2,4-Trimethylbenzene	339	1.00	20.00	416.4	-387	63.7	132				SE
Hexachlorobutadiene	5.30	2.00	20.00	0	26.5	58.1	130				S
Naphthalene	388	1.00	20.00	548.6	-803	54.5	132				SE
1,2,3-Trichlorobenzene	13.4	2.00	20.00	0	67.0	57	131				
Surr: Dibromofluoromethane	25.9		25.00		103	45.4	152				
Surr: Toluene-d8	29.8		25.00		119	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	26.6		25.00		106	64.2	128				

NOTES:
S - Spike recovery indicates a possible matrix effect. The method is in control as indicated by the Laboratory Control Sample (LCS).

Fremont Analytical

Sample Log-In Check List

Client Name:	**AAL**	Work Order Number:	**1509430**
Logged by:	**Erica Silva**	Date Received:	**9/30/2015 12:28:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Courier		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☑	No ☐	Not Required ☐
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☑	NA ☐
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

19. Additional remarks:

Item Information

Item #	Temp °C
Cooler	2.3
Sample	3.2
Temp Blank	1.2

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

CHAIN OF CUSTODY RECORD

Omega COCID 95 | PAGE: 1 | OF: 1

1509430

Project: Seekins Annual 1197-02

ADDRESS
Alaska Analytical Laboratory
1956 Richardson Highway
North Pole, Alaska 99705
TEL: (907) 488-1271
FAX: (907) 488-0772
Website: www.alaska-analytical.com

SUB CONTRATOR: **Fremont Analytical** COMPANY: **Fremont Analytical**
ADDRESS: **3600 Fremont Ave**
CITY, STATE, ZIP: **Seattle, WA 98103**
PHONE: **(206) 352-3790** FAX: EMAIL:
ACCOUNT #:

SPECIAL INSTRUCTIONS / COMMENTS:
Please analyze these samples on a standard T.A.T. After analysis, the samples do not need to be returned and can be disposed per your standard laboratory practices. Thank you!

ANALYTICAL PARAMETERS

ITEM #	(AAL SAMPLE ID)	Client Sample ID	Bottle Type	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	SW8260B Full-List															COMMENTS Methanol Preserved Weights HOT Sample Notation Additional Sample Description, etc. Please use client ID.
1	1509017-001C	MW-1	VOCHCL	Water	9/28/2015 12:10:00 PM	3	√															
2	1509017-002C	MW-2	VOCHCL	Water	9/28/2015 11:15:00 AM	3	√															
3	1509017-003C	MW-3	VOCHCL	Water	9/28/2015 2:25:00 PM	3	√															
4	1509017-004C	MW-6	VOCHCL	Water	9/28/2015 3:30:00 PM	3	√															
5	1509017-005C	MW-7	VOCHCL	Water	9/28/2015 10:20:00 AM	3	√															
6	1509017-006C	MW-8	VOCHCL	Water	9/28/2015 12:20:00 PM	3	√															
7	1509017-008A	Trip Blank - 8260	VOCHCL	Water		3	√															

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Kelley Longin	9/29/2015	1:00 PM	[signature]	9.30.15	12:25
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☑ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☑ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples ______ °C Attempt to Cool * ______
Comments: ______

✓ QAQC

Laboratory Data Review Checklist

Completed by: Ashley Jaramillo

Title: Staff Chemist Date: October 12, 2015

CS Report Name: Seekins Ford-Lincoln-Mercury Report Date: October 6, 2015

Consultant Firm: Travis/Peterson Environmental Consulting, Inc.

Laboratory Name: Alaska Analytical Laboratory Laboratory Report Number: 1509017

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:

      VOC samples by SW8260 were transferred from Alaska Analytical Laboratory to Fremont Analytical.

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:

      Upon receipt at Alaska Analytical Laboratory the temperature blank used in the white cooler was below the accepted temperature range (1.0° C). Since the temperature was above freezing temperature and samples were reportedly received in good condition, no data were qualified.

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 acceptable range, insufficient or missing samples, etc.?
☐■Yes☐ No ☐NA (Please explain.) Comments:

Aside from the temperature discrepancy noted above, no other discrepancies were noted upon sample login. Samples were otherwise all received in good condition.

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

Data quality or usability not affected.

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:

c. Were all corrective actions documented?
☐■Yes☐ No ☐NA (Please explain.) Comments:

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

The case narrative only described the laboratory qualifications made to the data based on problems encountered during sample receiving and analysis. Any notable data quality issues mentioned in the Case Narrative are discussed within this ADEC checklist.

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 soils.

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?

Comments:

Data quality or usability was not affected. All reported PQLs are less than the ADEC groundwater cleanup level.

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:

Not applicable. No analytes were detected in the method blank samples.

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

☐Yes ☐ No ☐■NA (Please explain.) Comments:

No analytes were detected in the method blank samples.

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

Comments:

Data quality or usability not affected, see comment above.

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:

LCS/LCSDs were performed for every GRO and DRO analytical batch, therefore LCS precision was evaluated accordingly. MS/MSDs were not performed for any GRO or DRO analytical batch; therefore MS precision was not evaluated. However, batch precision was accepted based on acceptable LCS precision.

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

☐Yes ☐ No ☐■NA (Please explain.) Comments:

No metals or inorganic analyses requested as a part of this project.

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/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☐■Yes☐ No ☐NA (Please explain.) Comments:

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

Comments:

Not applicable. No %Rs or RPDs were outside control limits.

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

☐Yes ☐ No ☐■NA (Please explain.) Comments:

No %Rs or RPDs were outside control limits.

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

Data quality or usability not affected. See comment above.

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 samples had failed surrogate recoveries.

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

Data quality or usability not affected. See comment above.

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:

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:

iii. All results less than PQL?
☐■Yes☐ No ☐NA (Please explain.) Comments:

iv. If above PQL, what samples are affected?

Comments:

Not applicable, no analytes were detected in the trip blank sample.

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

Comments:

Data quality or usability not affected. See comment above.

e. Field Duplicate

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

☐■Yes☐ No ☐NA (Please explain.) Comments:

MW-8 was the field duplicate sample for MW-1.

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)

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

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☐■Yes☐ No ☐NA (Please explain.) Comments:

All detected field duplicate results were comparable (RPD ≤ 30).

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

Comments:

Data quality or usability not affected. See comment above.

f. Decontamination or Equipment Blank (If not used explain why).

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

Equipment blanks were not required in this sampling event since a peristaltic pump was employed to collect the groundwater samples. New, disposable sampling tubing was used for groundwater collection at each monitoring well.

i. All results less than PQL?

☐Yes ☐ No ☐■NA (Please explain.) Comments:

No decontamination blank was collected.

ii. If above PQL, what samples are affected?

Comments:

Not applicable, no decontamination blank was collected.

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

Comments:

Data quality not affected. See comment above.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)
   a. Defined and appropriate?
      ☐■Yes☐ No ☐NA (Please explain.) Comments:

Alaska Analytical Laboratory
1956 Richardson Highway
North Pole, Alaska 99705
TEL: (907) 488-1271 FAX: (907) 488-0772
Website: www.alaska-analytical.com

October 06, 2015

Ashley Jaramillo
Travis/Peterson Environmental Consulting Inc.
329 Second Street
Fairbanks, AK 99701
TEL: (907) 455-7225
FAX:

RE: Seekins Annual 1197-02 Order No.: 1509017

Dear Ashley Jaramillo:

Alaska Analytical Laboratory received 8 sample(s) on 9/29/2015 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Analytical results designated with a "J" qualifier are estimated and represent a detection above the Method Detection Limit (MDL) and less than the Reporting Limit (PQL). These analytes are not reviewed nor narrated as to whether they are laboratory artifacts.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

Alaska Analytical Laboratory, Inc. subcontracted water samples. The analyses were performed by Fremont Analytical. Their report is attached for your use.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Kelley Lovejoy

Kelley Lovejoy
Lab Director
1956 Richardson Highway
North Pole, Alaska 99705

Alaska Analytical Laboratory
1956 Richardson Highway
North Pole, Alaska 99705
TEL: (907) 488-1271 FAX: (907) 488-0772
Website: www.alaska-analytical.com

Workorder Sample Summary

WO#: **1509017**

06-Oct-15

CLIENT: Travis/Peterson Environmental Consulting Inc.
Project: Seekins Annual 1197-02

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1509017-001	MW-1		9/28/2015 12:10:00 PM	9/29/2015 12:22:00 PM	Water
1509017-001	MW-1		9/28/2015 12:10:00 PM	9/29/2015 12:22:00 PM	Water
1509017-001	MW-1		9/28/2015 12:10:00 PM	9/29/2015 12:22:00 PM	Water
1509017-002	MW-2		9/28/2015 11:15:00 AM	9/29/2015 12:22:00 PM	Water
1509017-002	MW-2		9/28/2015 11:15:00 AM	9/29/2015 12:22:00 PM	Water
1509017-002	MW-2		9/28/2015 11:15:00 AM	9/29/2015 12:22:00 PM	Water
1509017-003	MW-3		9/28/2015 2:25:00 PM	9/29/2015 12:22:00 PM	Water
1509017-003	MW-3		9/28/2015 2:25:00 PM	9/29/2015 12:22:00 PM	Water
1509017-003	MW-3		9/28/2015 2:25:00 PM	9/29/2015 12:22:00 PM	Water
1509017-004	MW-6		9/28/2015 3:30:00 PM	9/29/2015 12:22:00 PM	Water
1509017-004	MW-6		9/28/2015 3:30:00 PM	9/29/2015 12:22:00 PM	Water
1509017-004	MW-6		9/28/2015 3:30:00 PM	9/29/2015 12:22:00 PM	Water
1509017-005	MW-7		9/28/2015 10:20:00 AM	9/29/2015 12:22:00 PM	Water
1509017-005	MW-7		9/28/2015 10:20:00 AM	9/29/2015 12:22:00 PM	Water
1509017-005	MW-7		9/28/2015 10:20:00 AM	9/29/2015 12:22:00 PM	Water
1509017-006	MW-8		9/28/2015 12:20:00 PM	9/29/2015 12:22:00 PM	Water
1509017-006	MW-8		9/28/2015 12:20:00 PM	9/29/2015 12:22:00 PM	Water
1509017-006	MW-8		9/28/2015 12:20:00 PM	9/29/2015 12:22:00 PM	Water
1509017-007	Trip Blank - GRO			9/29/2015 12:22:00 PM	Water
1509017-008	Trip Blank - 8260			9/29/2015 12:22:00 PM	Water

Alaska Analytical Laboratory
1956 Richardson Highway
North Pole, Alaska 99705
TEL: (907) 488-1271 FAX: (907) 488-0772
Website: www.alaska-analytical.com

Case Narrative

WO#: **1509017**
Date: **10/6/2015**

CLIENT: Travis/Peterson Environmental Consulting
Project: Seekins Annual 1197-02

This report in its entirety consists of the documents listed below. All documents contain the Alaska Analytical Laboratory Work Order Number assigned to this report.

1. Paginated Report including: Case Narrative, Analytical Results and Applicable Quality Control Summary Reports.

2. A Cover Letter that immediately precedes the Paginated Report.

Concentrations reported with a J flag in the Qual field are values below the reporting limit (RL) but greater than the established method detection limit (MDL). There is greater uncertainty associated with these results and data should be considered as estimated.

Concentrations reported with an E flag in the Qual field are values that exceed the upper quantification range. There is greater uncertainty associated with these results and data should be considered as estimated.

Any comments or problems with the analytical events associated with this report are noted below.

1509017-001C SW8260BW was subcontracted
1509017-002C SW8260BW was subcontracted
1509017-003C SW8260BW was subcontracted
1509017-004C SW8260BW was subcontracted
1509017-005C SW8260BW was subcontracted
1509017-006C SW8260BW was subcontracted
1509017-008A SW8260BW was subcontracted

Alaska Analytical Laboratory
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Website: www.alaska-analytical.com

Analytical Report

(consolidated)

WO#: **1509017**

Date Reported: **10/6/2015**

CLIENT: Travis/Peterson Environmental Consulting Inc. **Collection Date:** 9/28/2015 12:10:00 PM

Project: Seekins Annual 1197-02

Lab ID: 1509017-001 **Matrix:** WATER

Client Sample ID MW-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
AK102SVW				**AK102**	**SW3510**	Analyst: **KL**
Diesel Range Organics C10-C25	0.260	0.232		mg/L	1	10/6/2015 8:43:09 AM
Surr: o-Terphenyl	85.8	50 - 150		%REC	1	10/6/2015 8:43:09 AM
GASOLINE RANGE ORGANICS				**AK101**		Analyst: **KL**
Gasoline Range Organics C6-C10	25,300	1,000		µg/L	10	10/5/2015 5:56:55 PM
Surr: 4-Bromofluorobenzene	91.6	50 - 150		%REC	10	10/5/2015 5:56:55 PM
Surr: a,a,a-trifluorotoluene	108	50 - 150		%REC	10	10/5/2015 5:56:55 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Method Detection Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: **1509017**

Date Reported: **10/6/2015**

CLIENT: Travis/Peterson Environmental Consulting Inc. **Collection Date:** 9/28/2015 11:15:00 AM

Project: Seekins Annual 1197-02

Lab ID: 1509017-002 **Matrix:** WATER

Client Sample ID MW-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
AK102SVW				**AK102**	**SW3510**	Analyst: **KL**
Diesel Range Organics C10-C25	0.0240	0.232	J	mg/L	1	10/6/2015 9:12:36 AM
Surr: o-Terphenyl	88.2	50 - 150		%REC	1	10/6/2015 9:12:36 AM
GASOLINE RANGE ORGANICS				**AK101**		Analyst: **KL**
Gasoline Range Organics C6-C10	31.2	100	J	µg/L	1	10/5/2015 2:20:30 PM
Surr: 4-Bromofluorobenzene	98.8	50 - 150		%REC	1	10/5/2015 2:20:30 PM
Surr: a,a,a-trifluorotoluene	104	50 - 150		%REC	1	10/5/2015 2:20:30 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Method Detection Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: **1509017**

Date Reported: **10/6/2015**

CLIENT: Travis/Peterson Environmental Consulting Inc. **Collection Date:** 9/28/2015 2:25:00 PM

Project: Seekins Annual 1197-02

Lab ID: 1509017-003 **Matrix:** WATER

Client Sample ID MW-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
AK102SVW				**AK102**	**SW3510**	Analyst: **KL**
Diesel Range Organics C10-C25	0.120	0.232	J	mg/L	1	10/6/2015 9:41:47 AM
Surr: o-Terphenyl	84.9	50 - 150		%REC	1	10/6/2015 9:41:47 AM
GASOLINE RANGE ORGANICS				**AK101**		Analyst: **KL**
Gasoline Range Organics C6-C10	21.5	100	J	µg/L	1	10/5/2015 3:14:29 PM
Surr: 4-Bromofluorobenzene	97.1	50 - 150		%REC	1	10/5/2015 3:14:29 PM
Surr: a,a,a-trifluorotoluene	103	50 - 150		%REC	1	10/5/2015 3:14:29 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Method Detection Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: **1509017**

Date Reported: **10/6/2015**

CLIENT: Travis/Peterson Environmental Consulting Inc. **Collection Date:** 9/28/2015 3:30:00 PM

Project: Seekins Annual 1197-02

Lab ID: 1509017-004 **Matrix:** WATER

Client Sample ID MW-6

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
AK102SVW				**AK102**	**SW3510**	Analyst: **KL**
Diesel Range Organics C10-C25	ND	0.232		mg/L	1	10/6/2015 10:11:04 AM
Surr: o-Terphenyl	92.3	50 - 150		%REC	1	10/6/2015 10:11:04 AM
GASOLINE RANGE ORGANICS				**AK101**		Analyst: **KL**
Gasoline Range Organics C6-C10	ND	100		µg/L	1	10/5/2015 4:08:33 PM
Surr: 4-Bromofluorobenzene	102	50 - 150		%REC	1	10/5/2015 4:08:33 PM
Surr: a,a,a-trifluorotoluene	107	50 - 150		%REC	1	10/5/2015 4:08:33 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Method Detection Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: **1509017**

Date Reported: **10/6/2015**

CLIENT: Travis/Peterson Environmental Consulting Inc. **Collection Date:** 9/28/2015 10:20:00 AM

Project: Seekins Annual 1197-02

Lab ID: 1509017-005 **Matrix:** WATER

Client Sample ID MW-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
AK102SVW				**AK102**	**SW3510**	Analyst: **KL**
Diesel Range Organics C10-C25	0.0245	0.232	J	mg/L	1	10/6/2015 10:40:54 AM
Surr: o-Terphenyl	93.3	50 - 150		%REC	1	10/6/2015 10:40:54 AM
GASOLINE RANGE ORGANICS				**AK101**		Analyst: **KL**
Gasoline Range Organics C6-C10	ND	100		µg/L	1	10/5/2015 5:02:41 PM
Surr: 4-Bromofluorobenzene	100	50 - 150		%REC	1	10/5/2015 5:02:41 PM
Surr: a,a,a-trifluorotoluene	105	50 - 150		%REC	1	10/5/2015 5:02:41 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Method Detection Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: **1509017**

Date Reported: **10/6/2015**

CLIENT: Travis/Peterson Environmental Consulting Inc. **Collection Date:** 9/28/2015 12:20:00 PM

Project: Seekins Annual 1197-02

Lab ID: 1509017-006 (MW-1 Dup) **Matrix:** WATER

Client Sample ID MW-8

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
AK102SVW				**AK102**	**SW3510**	Analyst: **KL**
Diesel Range Organics C10-C25	0.258	0.232		mg/L	1	10/6/2015 11:10:25 AM
Surr: o-Terphenyl	89.2	50 - 150		%REC	1	10/6/2015 11:10:25 AM
GASOLINE RANGE ORGANICS				**AK101**		Analyst: **KL**
Gasoline Range Organics C6-C10	24,700	1,000		µg/L	10	10/5/2015 7:17:56 PM
Surr: 4-Bromofluorobenzene	93.7	50 - 150		%REC	10	10/5/2015 7:17:56 PM
Surr: a,a,a-trifluorotoluene	110	50 - 150		%REC	10	10/5/2015 7:17:56 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Method Detection Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

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Analytical Report

(consolidated)

WO#: **1509017**

Date Reported: **10/6/2015**

CLIENT: Travis/Peterson Environmental Consulting Inc. **Collection Date:**

Project: Seekins Annual 1197-02

Lab ID: 1509017-007 **Matrix:** WATER

Client Sample ID Trip Blank - GRO

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS				**AK101**		Analyst: **KL**
Gasoline Range Organics C6-C10	ND	100		µg/L	1	10/5/2015 1:53:45 PM
Surr: 4-Bromofluorobenzene	99.9	50 - 150		%REC	1	10/5/2015 1:53:45 PM
Surr: a,a,a-trifluorotoluene	104	50 - 150		%REC	1	10/5/2015 1:53:45 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Method Detection Limit
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1509017**
06-Oct-15

Client: Travis/Peterson Environmental Consulting Inc.
Project: Seekins Annual 1197-02 **TestCode:** **AK101W**

Sample ID: **LCSD-R991**	SampType: **LCSD**	TestCode: **AK101W**	Units: **µg/L**	Prep Date:			RunNo: **991**			
Client ID: **LCSS02**	Batch ID: **R991**	TestNo: **AK101**		Analysis Date: **10/5/2015**			SeqNo: **9401**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics C6-C10	2,220	100	2,500	0	88.7	60	120	2,182	1.66	20	
Surr: 4-Bromofluorobenzene	46.5		50.00		93.0	60	120		0	0	
Surr: a,a,a-trifluorotoluene	51.5		50.00		103	60	120		0	0	

Sample ID: **MB-R991**	SampType: **MBLK**	TestCode: **AK101W**	Units: **µg/L**	Prep Date:			RunNo: **991**			
Client ID: **PBW**	Batch ID: **R991**	TestNo: **AK101**		Analysis Date: **10/5/2015**			SeqNo: **9402**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics C6-C10	ND	100									
Surr: 4-Bromofluorobenzene	48.1		50.00		96.3	60	120				
Surr: a,a,a-trifluorotoluene	51.8		50.00		104	60	120				

Sample ID: **LCS-R991**	SampType: **LCS**	TestCode: **AK101W**	Units: **µg/L**	Prep Date:			RunNo: **991**			
Client ID: **LCSW**	Batch ID: **R991**	TestNo: **AK101**		Analysis Date: **10/5/2015**			SeqNo: **9403**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics C6-C10	2,180	100	2,500	0	87.3	60	120				
Surr: 4-Bromofluorobenzene	46.5		50.00		93.1	60	120				
Surr: a,a,a-trifluorotoluene	52.1		50.00		104	60	120				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Method Detection Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1509017**
06-Oct-15

Client: Travis/Peterson Environmental Consulting Inc.
Project: Seekins Annual 1197-02 **TestCode:** **AK102SVW**

Sample ID: **MB-528**	SampType: **MBLK**	TestCode: **AK102SVW**	Units: **mg/L**	Prep Date: **10/5/2015**	RunNo: **993**
Client ID: **PBW**	Batch ID: **528**	TestNo: **AK102**	**SW3510**	Analysis Date: **10/6/2015**	SeqNo: **9424**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics C10-C25	ND	0.232									
Surr: o-Terphenyl	0.0451		0.05000		90.3	60.6	114				

Sample ID: **LCS-528**	SampType: **LCS**	TestCode: **AK102SVW**	Units: **mg/L**	Prep Date: **10/5/2015**	RunNo: **993**
Client ID: **LCSW**	Batch ID: **528**	TestNo: **AK102**	**SW3510**	Analysis Date: **10/6/2015**	SeqNo: **9425**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics C10-C25	1.84	0.232	2.500	0	73.7	63.9	113				
Surr: o-Terphenyl	0.0421		0.05000		84.3	69.6	123				

Sample ID: **LCSD-528**	SampType: **LCSD**	TestCode: **AK102SVW**	Units: **mg/L**	Prep Date: **10/5/2015**	RunNo: **993**
Client ID: **LCSS02**	Batch ID: **528**	TestNo: **AK102**	**SW3510**	Analysis Date: **10/6/2015**	SeqNo: **9426**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics C10-C25	1.94	0.232	2.500	0	77.6	63.8	115	1.843	5.12	20	
Surr: o-Terphenyl	0.0444		0.05000		88.8	68.9	127		0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
M	Manual Integration used to determine area response	ND	Not Detected at the Method Detection Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

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Sample Receipt Checklist

Client Name: **TPECI06** Work Order Number **1509017**

RcptNo: 1 Date and Time Received: **9/29/2015 12:22:00 PM** Received by: **Kelley Lovejoy**

Completed by: Kelley Lovejoy Reviewed by: Kelley Lovejoy

Completed Date: 9/29/2015 2:07:20 PM Reviewed Date: 9/29/2015 2:07:23 PM

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	Not Present ☐
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐	
Is it clear what analyses were requested?	Yes ☑	No ☐	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Samples in proper container/bottle?	Yes ☑	No ☐	
Were correct preservatives used and noted?	Yes ☑	No ☐	NA ☐
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
Were container lables complete (ID, Pres, Date)?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA ☐
Response when temperature is outside of range:			
Preservative added to bottles:			
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	1 To 3.3 °
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials ☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water ☐
Are Samples considered acceptable?	Yes ☑	No ☐	
Custody Seals present?	Yes ☑	No ☐	
Traffic Report or Packing Lists present?	Yes ☐	No ☑	
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present ☑
Airbill No:			
Sample Tags Present?	Yes ☐	No ☑	
Sample Tags Listed on COC?	Yes ☐	No ☑	
Tag Numbers:			
Sample Condition?	Intact ☑	Broken ☐	Leaking ☐

Case Number: SDG: SAS:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
Red Cooler	3.4	Good	Yes		9/29/2015	Ashley Jaramillo
White Cooer	1.0	Good	Yes		9/29/2015	Ashley Jaramillo

Equipment Information

Adjusted? _____ Checked by _____

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Sample Receipt Checklist

Client Name: **TPECI06** Work Order Number **1509017**

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client Contacted? ☐ Yes ☑ No ☐ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

CorrectiveAction:

Comments:
Was an attempt made to cool the sample? The lab did not attempt to cool the samples. Samples were received with gel ice in the cooler. Temp. Blank and Cooler were within the ADEC acceptable range.

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Sample Receipt Checklist

Client Name: **TPECI06**

Work Order Number **1509017**

Sample Details

SampID	ContainerID	Type	Org pH	Temp.	RcptNo	Cooler No	Comments
1509017-001A	Container-01 of 02	Bottle					
1509017-001A	Container-02 of 02	Bottle					
1509017-001B	Container-01 of 03	Bottle					
1509017-001B	Container-02 of 03	Bottle					
1509017-001B	Container-03 of 03	Bottle					
1509017-001C	Container-01 of 03	Bottle					
1509017-001C	Container-02 of 03	Bottle					
1509017-001C	Container-03 of 03	Bottle					
1509017-002A	Container-01 of 02	Bottle					
1509017-002A	Container-02 of 02	Bottle					
1509017-002B	Container-01 of 03	Bottle					
1509017-002B	Container-02 of 03	Bottle					
1509017-002B	Container-03 of 03	Bottle					
1509017-002C	Container-01 of 03	Bottle					
1509017-002C	Container-02 of 03	Bottle					
1509017-002C	Container-03 of 03	Bottle					
1509017-003A	Container-01 of 02	Bottle					
1509017-003A	Container-02 of 02	Bottle					
1509017-003B	Container-01 of 03	Bottle					
1509017-003B	Container-02 of 03	Bottle					
1509017-003B	Container-03 of 03	Bottle					
1509017-003C	Container-01 of 03	Bottle					
1509017-003C	Container-02 of 03	Bottle					
1509017-003C	Container-03 of 03	Bottle					
1509017-004A	Container-01 of 02	Bottle					
1509017-004A	Container-02 of 02	Bottle					
1509017-004B	Container-01 of 03	Bottle					
1509017-004B	Container-02 of 03	Bottle					
1509017-004B	Container-03 of 03	Bottle					

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Sample Receipt Checklist

Client Name: **TPECI06** Work Order Number **1509017**

1509017-004C	Container-01 of 03	Bottle
1509017-004C	Container-02 of 03	Bottle
1509017-004C	Container-03 of 03	Bottle
1509017-005A	Container-01 of 02	Bottle
1509017-005A	Container-02 of 02	Bottle
1509017-005B	Container-01 of 03	Bottle
1509017-005B	Container-02 of 03	Bottle
1509017-005B	Container-03 of 03	Bottle
1509017-005C	Container-01 of 03	Bottle
1509017-005C	Container-02 of 03	Bottle
1509017-005C	Container-03 of 03	Bottle
1509017-006A	Container-01 of 02	Bottle
1509017-006A	Container-02 of 02	Bottle
1509017-006B	Container-01 of 03	Bottle
1509017-006B	Container-02 of 03	Bottle
1509017-006B	Container-03 of 03	Bottle
1509017-006C	Container-01 of 03	Bottle
1509017-006C	Container-02 of 03	Bottle
1509017-006C	Container-03 of 03	Bottle
1509017-007A	Container-01 of 03	Bottle
1509017-007A	Container-02 of 03	Bottle
1509017-007A	Container-03 of 03	Bottle
1509017-008A	Container-01 of 03	Bottle
1509017-008A	Container-02 of 03	Bottle
1509017-008A	Container-03 of 03	Bottle

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Chain of Custody Record

Ashley Jaramillo ashley@tpeci.com

Client Contact Information	Client Project Manager (PM):	Client PM Email:	Date: 9/28/15	COC No: 15-0055
TPECI	PM Tel/Fax: 907-455-7225	Lab Contact: Kelley Lovejoy	Carrier:	Page 1 of 1
329 2nd St	Analysis Turnaround Time			AAL Job No. 55
Fbx, AK 99701	Requested Turnaround Time if different from below:			
Sampler Name: PAMJ	☒ 10 business days (Standard)			Comments:
Sampler Signature:	☐ 3 business days			
Project Name: Seekins Annual	☐ 2 Business Days			
Project Number: 1197-02	☐ 1 Business Day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	DRO AK102	GRO AK101	VOCs 8260	Sample Specific Notes:
MW-1	9/28/15	1210	G	W	8	2	3	3	
MW-2	9/28/15	1115	G	W	8	2	3	3	
MW-3	9/28/15	225	G	W	8	2	3	3	
MW-6	9/28/15	330	G	W	8	2	3	3	
MW-7	9/28/15	1020	G	W	8	2	3	3	
MW-8	9/28/15	1220	G	W	8	2	3	3	
Trip blank (VOCs)								X	White cooler
Trip blank (GRO)							X		red cooler

Preservation Used: 1 = Ice, 2 = Methanol 3 = Other HCl

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements & Comments [Please note if there is Mercury in the sample.]

Custody Seals Intact

Red Temp Blank 3.3
Cooler Temp 3.4
White Temp Blank 1.0
Cooler Temp 1.0

Relinquished by (Print/Signature):	Company:	Date/Time:	Received by (Print/Signature):	Company:	Date/Time:
[signature]	TPECI	9/29/15 12p	Kelley Lovejoy	AAL	9/29/15 12:22pm
Relinquished by (Print/Signature):	Company:	Date/Time:	Received by (Print/Signature):	Company:	Date/Time:
Relinquished by (Print/Signature):	Company:	Date/Time:	Received by (Print/Signature):	Company:	Date/Time:

RECEIVED
15-0055
9/29/15

ALASKA ANALYTICAL LABORATORY **CUSTODY SEAL**

SIGNATURE [signature]
DATE 9/29/15

ALASKA ANALYTICAL LABORATORY **CUSTODY SEAL**

SIGNATURE [signature]
DATE 9/29/15

ALASKA ANALYTICAL LABORATORY **CUSTODY SEAL**

SIGNATURE [signature]
DATE 9/29/15

ALASKA ANALYTICAL LABORATORY **CUSTODY SEAL**

SIGNATURE [signature]
DATE 9/29/15