100.26.131
100.38.097

Travis/Peterson Environmental Consulting, Inc.

Michael D. Travis P.E.
Principal

3305 Arctic Boulevard, Suite 102
Anchorage, Alaska 99503

Phone: 907-522-4337
Fax: 907-522-4313
e-mail: mtravis@tpeci.com

Laurence A. Peterson
Operations Manager

329 2nd Street
Fairbanks, Alaska 99701

Phone: 907-455-7225
Fax: 907-455-7228
e-mail: larry@tpeci.com

October 9, 2008
1197-02

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CONTAMINATED SITES FAIRBANKS

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

Attention: **Al Haynes-Service Manager**

Re: Groundwater Sampling, September 16, 2008, ADEC File No. 100.26.131

Dear Mr. Haynes:

Travis/Peterson Environmental Consulting, Inc. (TPECI) is pleased to present our letter report summarizing data obtained from the groundwater sampling event conducted on September 16, 2008 at Seekins Ford-Lincoln-Mercury (Figures 1 and 2). The purpose of sampling is to develop sufficient information about the site to initiate a long term monitoring plan and achieve site closure.

On September 16, 2008, monitoring wells MW-1, MW-6, and GWP-2 were sampled (see maps in Attachment 1). The sample labeled MW-12 is a duplicate of MW-6. The groundwater samples were submitted to Test America for laboratory analysis by the following methods:

- Gasoline range organics (GRO) by method AK101
- Diesel range organics (DRO) by method AK102 DRO; and
- Volatile Organic Compounds by method AK 8260 B.

Groundwater Results

Depth to groundwater and well depths were measured from the top of each respective well casing prior to sampling (Table 1). The analytical results from the groundwater sampling event and depth to groundwater appear in Table 2. For historic trends in all wells, see Attachment 2. The full laboratory data report is included as Attachment 3.

Table 1. Well Measurements

Well	Depth to Water (ft)	Total Depth (ft)	Stick Up (ft)
MW-1	12.65	24.60	flush mount
GWP-2	13.53	18.60	flush mount
MW-6	12.74	22.10	flush mount

Monitoring well MW-1 had DRO, GRO, benzene, toluene, and ethylbenzene levels above ADEC cleanup levels. Neither of the other two wells sampled had any contaminant above ADEC cleanup levels.

Table 2. Analytical Results

Sample	DRO (mg/L)	GRO (mg/L)	VOC (µg/L)
MW-1	**1.68**	**15.5**	2-Butanone: 84.4 **Benzene: 6.32** **Toluene: 1750** **Ethylbenzene: 1080** m,p-Xylene: 3680 o-Xylene: 2110 Isopropylbenzene: 56.0 1,3,5-Trimethylbenzene: 175 1,2,4-Trimethylbenzene: 735 p-Isopropyltoluene: 4.24 Naphthalene: 51.2
GWP-2	ND (< 0.394)	0.053	Trichlorofluoromethane: 5.14 Toluene: 3.97 Ethylbenzene: 1.82 m,p-Xylene: 6.03 o-Xylene: 3.81
MW-6	ND (< 0.400)	ND (< 0.050)	Trichlorofluoromethane: 3.90 Toluene: 2.35 Tetrachloroethene: 3.07 Ethylbenzene: 1.33 m,p-Xylene: 3.93 o-Xylene: 2.42
MW-12 dup of mw6	ND (< 0.397)	ND (< 0.050)	Trichlorofluoromethane: 3.57 Toluene: 1.97 Tetrachloroethene: 2.71 Ethylbenzene: 1.12 m,p-Xylene: 3.18 o-Xylene: 1.95
Cleanup Level [a]	1.5	1.3	Benzene: 5.0 Toluene: 1,000 Ethylbenzene: 700 Total Xylenes: 10,000 Naphthalene: 700 2-Butanone: 22,000[b] Tetrachloroethene: 5.0[c] Isopropylbenzene: 3,650[b] 1,3,4-Trimethylbenzene: 1,850[b] 1,2,4-Trimethylbenzene: 1,850[b]

[a]18 AAC 75 Table C: Groundwater Cleanup Levels. Only detected VOCs are listed in the table. Cleanup levels are not established for all VOCs. Measurements exceeding ADEC cleanup levels are indicated in bold type. [b]Other sources. [c]MCL established by the EPA for drinking water.

The only quality assurance/quality control problem identified by the laboratory was the high recovery of one of three surrogates in the MW-1 sample due to matrix effects. This issue is not expected to affect the data usability.

The relative percent difference (RPD) for detected analytes in duplicate pair MW-6 and MW-12 ranged from 9 percent to 21 percent. The data quality objective for precision (RPD < 30 percent) was therefore satisfied.

Conclusions

The presence of contamination on site has diminished and TPECI suggests that all wells, except MW-1, GWP-2, and MW-6 be decommissioned. TPECI recommends changing the annual monitoring requirement for this site to sampling MW-1, GWP-2, and MW-6 once every three years. If ADEC approves of this change in the sampling schedule then the next groundwater sampling event will be in 2011.

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

Sincerely,

Melissa S Shippey

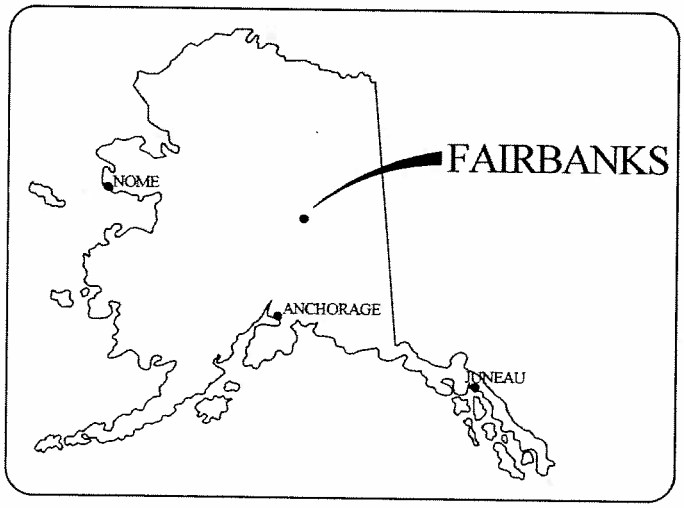
Melissa Shippey
Staff Scientist

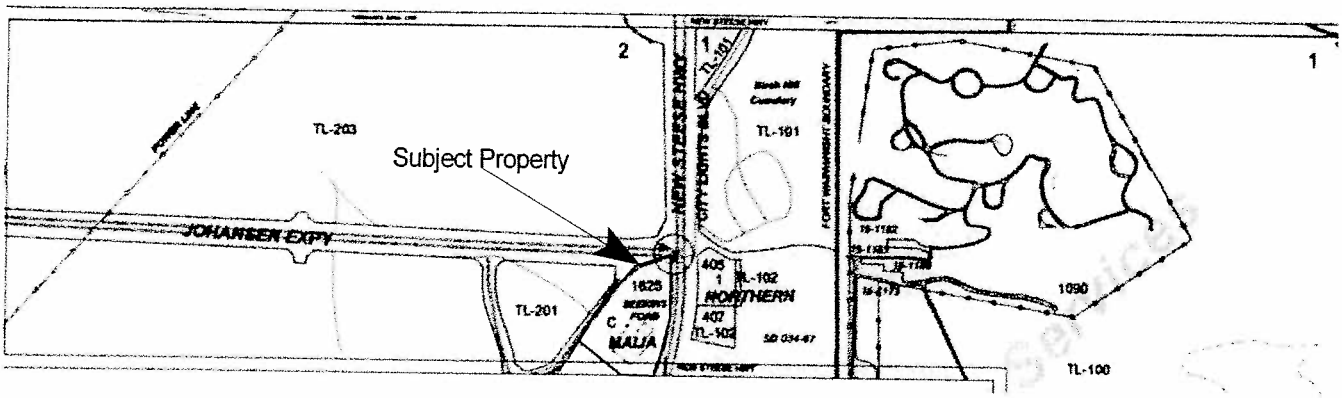
Cc: Tamara Cardona-Marek, ADEC

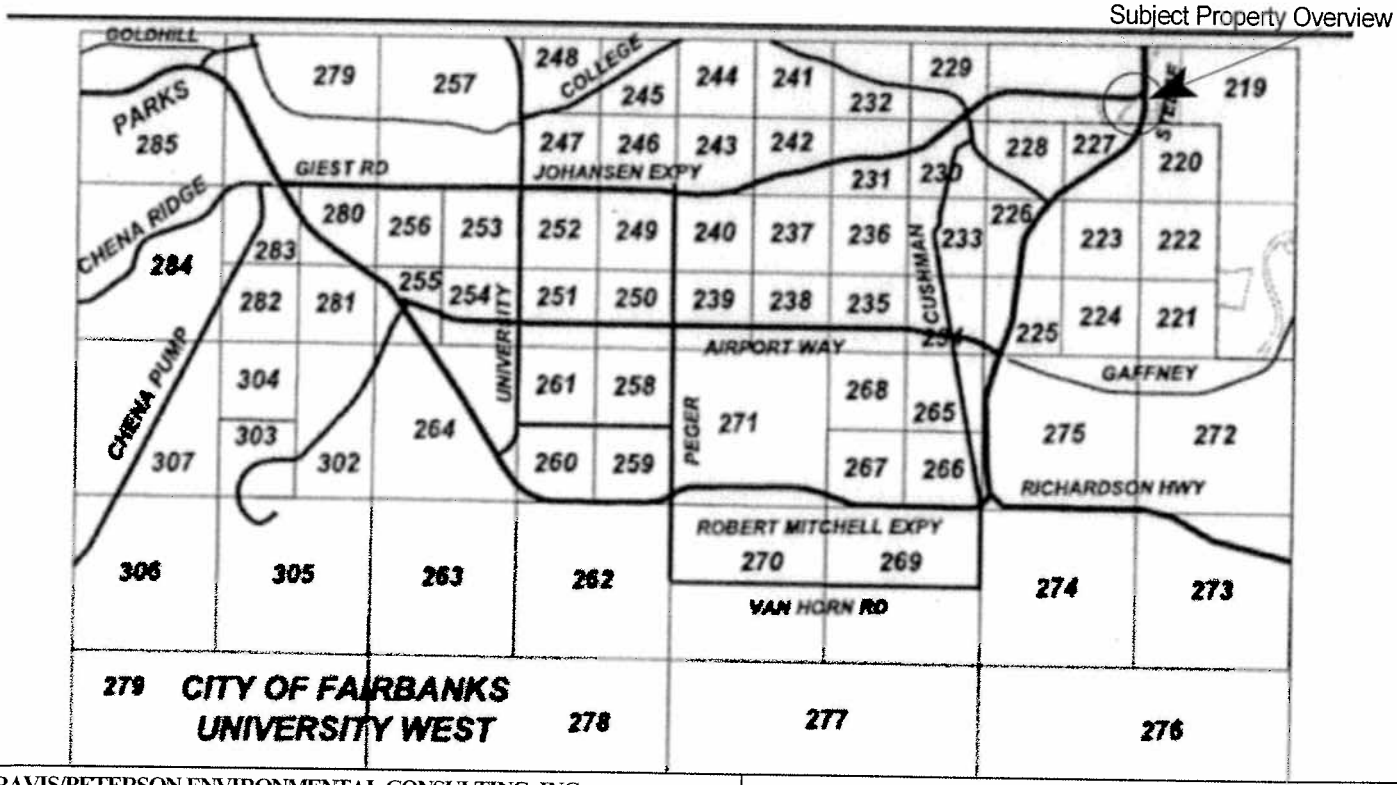
Attachments: Figures
Historical Groundwater Data
Laboratory Data Report

ATTACHMENT 1

FIGURES

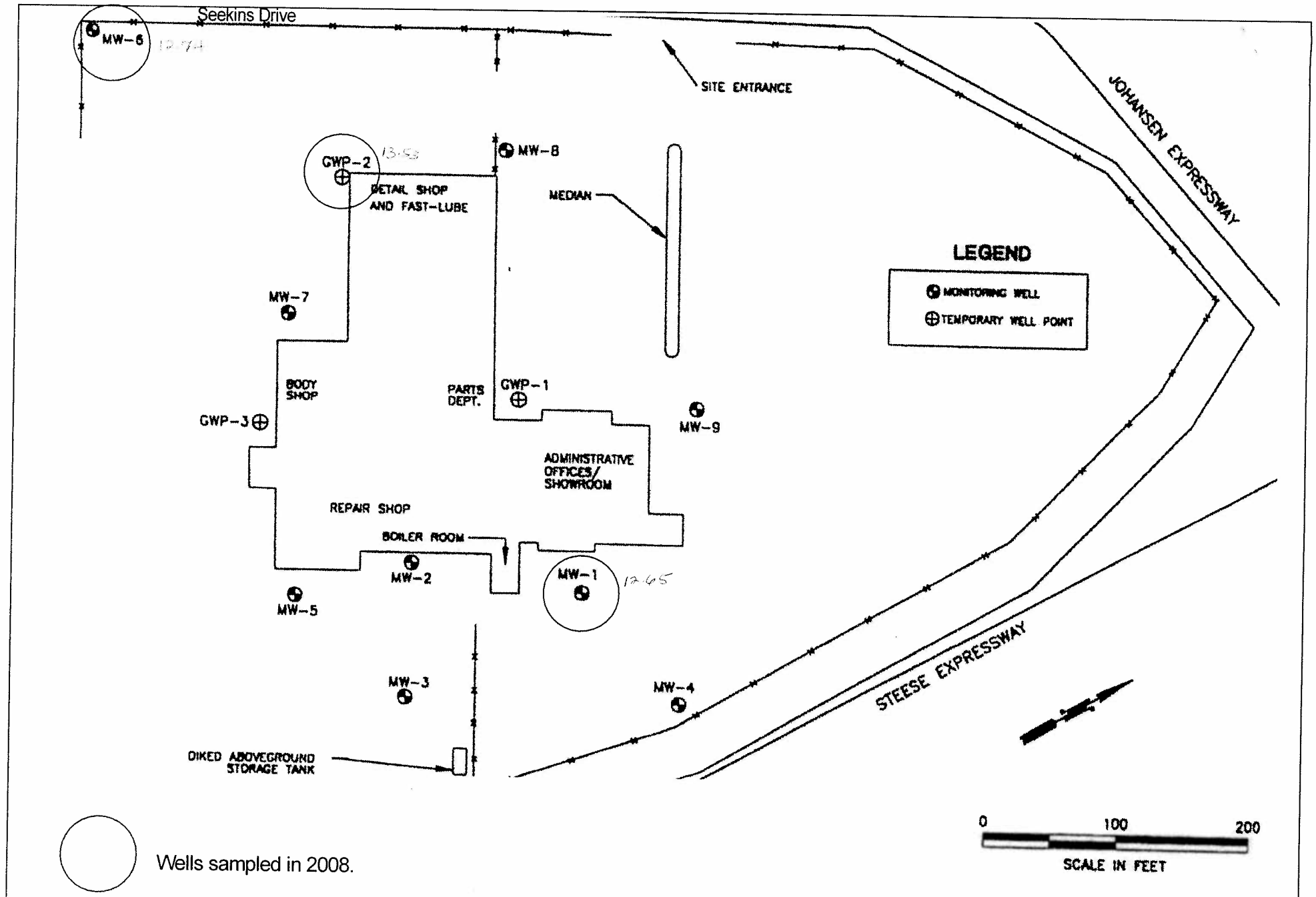






TRAVIS/PETERSON ENVIRONMENTAL CONSULTING, INC. 329 2ND STREET FAIRBANKS, ALASKA 99701	FIGURE 1 SEEKINS FORD-LINCOLN-MERCURY LOCATION & VICINITY

PROJECT No: 1197-02	FILE: 1197/02/2008/Figure 1-Location & Vicinity.SKF	DATE: 10/09/2008	SCALE: AS SHOWN



TRAVIS/PETERSON ENVIRONMENTAL CONSULTING, INC. 329 2ND STREET FAIRBANKS, ALASKA 99701		SEEKINS FORD-LINCOLN-MERCURY	FIGURE 2 SITE PLAN
PROJECT No: 1197-02	FILE: S:\Projects\1197\02\2008\Figure 2-Site Plan.SKF	DATE: 10/08/08	SCALE: AS SHOWN

ATTACHMENT 2

HISTORICAL GROUNDWATER DATA

Well Number	Date	Distance to Water (In Feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	GRO (µg/L)	DRO (µg/L)	Trichloro-Flouro-methane (µg/L)	nthrene g/L)	Fluoranthene (µg/L)	Pyrene (µg/L)	Naphthalene (µg/L)	Acenaph-thylene (µg/L)	1,2,4-TCB (µg/L)	tert-Butyl-benzene (µg/L)	Methyl-t-butyl-ether (µg/L)	Carbon disulfide (µg/L)
ADEC MCL (ug/L)			5.0	1,000	700	10,000	1,300	1,500	**	,000	1,460	1,100	700	2,200	70	N/A	N/A	3,650
MW-1	7/21/1995	14.2	12,000	NA	NA	NT	180	5.4	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/1/1996	15.7	7,500	NA	NA	NT	240	6.2	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND
	8/7/1996	15.28	8,500	NA	NA	NT	250	11	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	11/21/1996	15.57	11,000	NA	NA	NT	330	9.6	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/25/2005	14.64	ND	2.24	NA	317	1,120	0.363	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/17/2006	14.62	ND	755	368	1,420	9,810	0.843	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/13/2007	14.74	25.6	13,000	1,590	15,670	47,600	3,620	1.78	NT	NT	NT	76.8	NT	ND	ND	ND	ND
	9/16/2008	12.65	6.3	1,750	1,080	5,790	15,500	1,680	ND	NT	NT	NT	51.2	NT	ND	ND	ND	ND
MW-2	7/21/1995	14.64	ND	ND	ND	ND	0.15	0.35	6.3	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/1/1996	16.13	2	ND	ND	ND	0.26	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/7/1996	15.72	ND	ND	ND	ND	0.16	3.4	8.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/1996	16.02	ND	ND	ND	ND	0.105	2.1	7.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/25/2005	15.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/17/2006	Well was obstructed.																
	9/13/2007	15.18	ND	ND	ND	ND	ND	950	ND	NT	NT	NT	ND	NT	ND	ND	ND	ND
MW-3	7/21/1995	13.7	8		ND	ND	2.8	13	6.8	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/1/1996	15.18	ND	ND	ND	ND	0.99	5.4	ND	1.7	1.1	0.3	9	ND	ND	ND	ND	ND
	8/7/1996	14.78	ND	ND	ND	ND	0.27	3.6	14	ND	ND	ND	8.8	ND	ND	ND	ND	ND
	11/21/1996	14.29	ND	ND	ND	ND	0.16	5.4	2.33	0.8	0.1	0.1	11	0.3	ND	ND	ND	ND
	5/25/2005	14.12	ND	ND	1.59	12.4	117	1.05	ND	ND	ND	ND	ND	ND	1.59	1.09	ND	ND
	7/17/2006	14.13	ND	ND	ND	ND	ND	0.583	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.72
	9/13/2007	14.22	ND	ND	ND	ND	ND	995	ND	NT	NT	NT	4.56	NT	ND	ND	ND	ND
duplicate	9/13/2007	N/A	ND	1.94	ND	1.26	ND	1,760	ND	NT	NT	NT	4.35	NT	ND	ND	ND	ND
MW-4	7/21/1995	12.93	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/1/1996	14.43	ND	ND	ND	ND	ND	0.24	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND
	8/7/1996	14.02	ND	ND	ND	ND	ND	0.23	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND
	11/21/1996	14.29	ND	ND	ND	ND	ND	0.24	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/25/2005	13.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/18/2006	13.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.33
	9/13/2007	13.5	ND	3.03	ND	3.71	ND	ND	ND	NT	NT	NT	ND	NT	ND	ND	ND	ND
MW-5	5/1/1996	15.68	2.49	ND	ND	ND	0.17	1.1	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND
	8/7/1996	15.27	1.24	ND	ND	ND	ND	0.99	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND
	11/21/1996	15.61	1.05	ND	ND	ND	ND	1	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND
	Well Decomissioned 10/28/2005																	
MW-6	5/1/1996	15.78	ND	ND	ND	ND	0.12	0.94	10.1	NT	NT	NT	NT	NT	ND	ND	ND	ND
	8/7/1996	15.35	ND	ND	ND	ND	ND	0.56	5	NT	NT	NT	NT	NT	ND	ND	ND	ND
	11/21/1996	15.61	ND	ND	ND	ND	ND	0.59	7.45	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/25/2005	14.63	ND	ND	ND	ND	ND	ND	4.81	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/14/2005	13.39	ND	ND	ND	ND	NT	NT	4.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/17/2006	14.64	ND	ND	ND	ND	ND	ND	4.45	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/13/2007	14.8	ND	1.76	ND	ND	ND	348	7.96	NT	NT	NT	ND	NT	ND	ND	ND	ND
	9/16/2008	12.74	ND	2.35	1.33	6.35	ND	ND	3.9	NT	NT	NT	ND	NT	ND	ND	ND	ND
duplicate	9/16/2008	12.74	ND	1.97	1.12	5.13	ND	ND	3.57	NT	NT	NT	ND	NT	ND	ND	ND	ND
MW-7	5/1/1996	16.29	ND	ND	ND	ND	0.26	0.47	13.4	NT	NT	NT	NT	NT	ND	ND	ND	ND
	8/7/1996	15.86	ND	ND	ND	ND	ND	0.3	70	NT	NT	NT	NT	NT	ND	ND	ND	ND
	11/21/1996	16.14	ND	ND	ND	ND	ND	0.2	69	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/25/2005	15.28	ND	ND	ND	ND	ND	ND	18.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/17/2006	Well was frozen at 6 ft bgs.																
	9/13/2007	15.35	ND	6.52	ND	11.81	ND	326	15.7	NT	NT	NT	3.5	NT	ND	ND	ND	ND
MW-8	5/1/1996	16.49	8.39	ND	ND	ND	0.35	0.69	16.4	NT	NT	NT	NT	NT	ND	ND	ND	ND
	8/7/1996	16.04	1.36	ND	ND	ND	ND	0.38	10.8	NT	NT	NT	NT	NT	ND	ND	ND	ND
	11/21/1996	16.33	ND	ND	ND	ND	ND	0.15	9.5	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/25/2005	15.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Well Decomissioned 10/28/2005																	
MW-9	5/1/1996	15.95	ND	ND	ND	ND	0.06	0.84	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND
	8/7/1996	15.53	ND	ND	ND	ND	ND	0.64	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND
	11/21/1996	15.84	ND	ND	ND	ND	ND	0.68	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/25/2005	15.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Well Decomissioned 10/28/2005																	
GWP-1	7/21/1995	14.62	1,500	ND	ND	ND	4	0.19	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/1/1996	16.11	117	ND	ND	ND	0.34	0.48	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND
	8/7/1996	15.69	230	ND	ND	ND	0.84	0.72	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	11/21/1996	15.97	160	ND	ND	ND	0.499	0.29	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/25/2005	15.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.65	
	Well Decomissioned 10/28/2005																	
GWP-2	7/21/1995	15.02	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/1/1996	16.54	ND	ND	ND	ND	ND	0.35	33.4	NT	NT	NT	NT	NT	ND	ND	ND	ND
	8/7/1996	16.1	ND	ND	ND	ND	ND	0.16	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	11/21/1996	16.4	ND	ND	ND	ND	ND	0.11	44.3	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/25/2005	15.42	ND	ND	ND	ND	ND	ND	9.99	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/16/2008	13.53	ND	3.97	1.82	9.84	53	ND	5.14	NT	NT	NT	ND	NT	ND	ND	ND	ND
GWP-3	7/21/1995	14.18	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/1/1996	15.71	ND	ND	ND	ND	ND	0.17	2.22	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/7/1996	15.31	ND	ND	ND	ND	ND	0.29	1.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/21/1996	15.58	ND	ND	ND	ND	ND	0.17	2.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/25/2005	15.68	ND	ND	ND	ND	ND	ND	1.18	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/17/2006	14.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/13/2007	14.8	ND	22.7	6.15	43.3	ND	491	1.45	NT	NT	NT	5.89	NT	ND	ND	ND	ND
DUP-1	5/1/1996	N/A	10,000	ND	ND	ND	220	5.6	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND
	8/7/1996	N/A	9,700	ND	ND	ND	250	9.4	ND	NT	NT	NT	NT	NT	ND	ND	ND	ND
	11/21/1996	N/A	ND	ND	ND	ND	0.231	4.8	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
	5/25/2005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/5/2005	N/A	ND	ND	ND	ND	ND	ND	1.72	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/17/2006	N/A	ND	ND	ND	ND	ND	ND	4.29	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

DCE	dichloroethene	PCE	tetrachloroethene	NT	Analysis
DCA	dichloroethane	DCB	dichlorobenzene	ND	Analyte
TCE	trichloroethene	TCB	trichlorobenzene	BOLD	Analyte det
MCL	maximum contaminant level	TMB	trimethylbenzene		

* Indicates the EPA established MCL goal for this compound. Found at: http://www.epa.gov/safewater/contamin

** No established MCL could be identified for this compound. TPECI personnel have consulted with ADEC perso have not received a response on whether an MCL exists for this compound.

ATTACHMENT 3

LABORATORY DATA REPORT

Laboratory Data Review Checklist

Completed by: Molly Green

Title: Staff Scientist

Date: October 08, 2008

CS Report Name: Seekins

Report Date: October 02, 2008

Consultant Firm: Travis/Peterson Environmental Consulting, Inc.

Laboratory Name: Test America

Laboratory Report Number: ARI0075

ADEC File Number:

ADEC RecKey Number:

1. Laboratory

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

      (•) Yes ( ) No 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 Comments:

2. Chain of Custody (COC)

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

      (•) Yes ( ) No Comments:

b. Correct analyses requested?

◉ Yes ○ No Comments:

3. Laboratory Sample Receipt Documentation

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

○ Yes ◉ No Comments:

Temp: 0.3 degrees C

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

◉ Yes ○ No Comments:

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

◉ Yes ○ No Comments:

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 Comments:

N/A

e. Data quality or usability affected? Explain.

Comments:

4. Case Narrative

a. Present and understandable?

◉ Yes ○ No Comments:

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

Due to sample matrix effects, surrogate recovery was outside acceptance limits for Toluene-d8 in sample MW-1.

◉ Yes ○ No Comments:

c. Were all corrective actions documented?

◉ Yes ○ No Comments:

No corrective action--matrix effect.

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

Comments:

Matrix effect.

5. Samples Results

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

◉ Yes ○ No Comments:

b. All applicable holding times met?

◉ Yes ○ No Comments:

c. All soils reported on a dry weight basis?

○ Yes ○ No Comments:

N/A

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

◉ Yes ○ No Comments:

e. Data quality or usability affected? Explain.

Comments:

N/A

6. QC Samples

a. Method Blank

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

◉ Yes ○ No Comments:

ii. All method blank results less than PQL?

◉ Yes ○ No Comments:

iii. If above PQL, what samples are affected?

Comments:

N/A

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

○ Yes ○ No Comments:

N/A

v. Data quality or usability affected? Explain.

Comments:

N/A

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 Comments:

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

○ Yes ○ No Comments:

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

◉ Yes ○ No 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 Comments:

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

Comments:

N/A

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

( ) Yes ( ) No Comments:

N/A

vii. Data quality or usability affected? Explain.

Comments:

N/A

c. Surrogates – Organics Only

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

(•) Yes ( ) No 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 Comments:

Surrogate recovery of Toluene-d8 was 156% in MW-1 due to matrix effects

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

(•) Yes ( ) No Comments:

iv. Data quality or usability affected? Explain.

Usability should not be affected, two other surrogates recovered well, high recovery due to matrix effects.

Comments:

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

i. One trip blank reported per matrix, analysis and cooler?

◉ Yes ○ No Comments:

ii. All results less than PQL?

◉ Yes ○ No Comments:

iii. If above PQL, what samples are affected?

Comments:

N/A

iv. Data quality or usability affected? Explain.

Comments:

N/A

e. Field Duplicate

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

◉ Yes ○ No Comments:

ii. Submitted blind to lab?

◉ Yes ○ No 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

RPDs for detected analytes ranged from 9% to 21%.

◉ Yes ○ No Comments:

iv. Data quality or usability affected? Explain.

Comments:

No.

f. Decontamination or Equipment Blank (if applicable)

○ Yes ○ No ◉ Not Applicable

i. All results less than PQL?

○ Yes ○ No Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? Explain.

Comments:

N/A

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

a. Defined and appropriate?

○ Yes ○ No Comments:

N/A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANCHORAGE, AK 2000 W INTERNATIONAL AIRPORT ROAD, SUITE A-10
ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210
CS Approval Number: UST-067

October 02, 2008

Melissa Shippey
Travis/Peterson Environmental Consulting, Inc. FBK
329 2nd Street
Fairbanks, ALASKA/USA 99701

RE: Seekins

Enclosed are the results of analyses for samples received by the laboratory on 09/17/08 18:30. The following list is a summary of the Work Orders contained in this report, generated on 10/02/08 15:42.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
ARI0075	Seekins	1197-02

TestAmerica Anchorage

Troy Engstrom

Troy J. Engstrom, Lab Director

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Travis/Peterson Environmental Consulting, Inc. FBK	Project Name:	**Seekins**	
329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	ARI0075-01	Water	09/16/08 11:55	09/17/08 18:30
GWP-2	ARI0075-02	Water	09/16/08 12:57	09/17/08 18:30
MW-6	ARI0075-03	Water	09/16/08 13:18	09/17/08 18:30
MW-12	ARI0075-04	Water	09/16/08 13:40	09/17/08 18:30
Trip Blank	ARI0075-05	Water	09/16/08 13:40	09/17/08 18:30

TestAmerica Anchorage

Troy Engstrom

Troy J. Engstrom, Lab Director

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329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

Diesel Range Organics (C10-C25) per AK102

TestAmerica Anchorage

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Analyst	Notes
ARI0075-01 (MW-1)			**Water**			**Sampled: 09/16/08 11:55**					
Diesel Range Organics	AK 102	**1.68**	-----	0.400	mg/l	1x	8090085	09/23/08 08:37	09/23/08 18:16	JN	
Surrogate(s): 1-Chlorooctadecane			*95.9%*		*50 - 150 %*		"			"	
ARI0075-02 (GWP-2)			**Water**			**Sampled: 09/16/08 12:57**					
Diesel Range Organics	AK 102	ND	-----	0.394	mg/l	1x	8090085	09/23/08 08:37	09/23/08 18:48	JN	
Surrogate(s): 1-Chlorooctadecane			*99.8%*		*50 - 150 %*		"			"	
ARI0075-03 (MW-6)			**Water**			**Sampled: 09/16/08 13:18**					
Diesel Range Organics	AK 102	ND	-----	0.400	mg/l	1x	8090085	09/23/08 08:37	09/23/08 18:48	JN	
Surrogate(s): 1-Chlorooctadecane			*96.3%*		*50 - 150 %*		"			"	
ARI0075-04 (MW-12)			**Water**			**Sampled: 09/16/08 13:40**					
Diesel Range Organics	AK 102	ND	-----	0.397	mg/l	1x	8090085	09/23/08 08:37	09/23/08 19:20	JN	
Surrogate(s): 1-Chlorooctadecane			*105%*		*50 - 150 %*		"			"	

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Troy J. Engstrom, Lab Director

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Travis/Peterson Environmental Consulting, Inc. FBK
329 2nd Street
Fairbanks, ALASKA/USA 99701

Project Name: **Seekins**
Project Number: 1197-02
Project Manager: Melissa Shippey

Report Created:
10/02/08 15:42

Gasoline Range Organics (C6-C10) per AK101-MS

TestAmerica Anchorage

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Analyst	Notes
ARI0075-01 (MW-1)			**Water**				**Sampled: 09/16/08 11:55**				**RL7**
Gasoline Range Organics	AK101 - MS	**15500**	-----	500	ug/l	10x	8090084	09/23/08 08:19	09/24/08 12:41	ds	
Surrogate(s): 4-BFB			*104%*		*80 - 120 %*		"			"	
Dibromofluoromethane			*107%*		*80 - 120 %*		"			"	
Toluene-d8			*97.3%*		*80 - 120 %*		"			"	
ARI0075-02 (GWP-2)			**Water**				**Sampled: 09/16/08 12:57**				
Gasoline Range Organics	AK101 - MS	**53.0**	-----	50.0	ug/l	1x	8090084	09/23/08 08:19	09/24/08 13:14	ds	
Surrogate(s): 4-BFB			*104%*		*80 - 120 %*		"			"	
Dibromofluoromethane			*106%*		*80 - 120 %*		"			"	
Toluene-d8			*96.1%*		*80 - 120 %*		"			"	
ARI0075-03 (MW-6)			**Water**				**Sampled: 09/16/08 13:18**				
Gasoline Range Organics	AK101 - MS	ND	-----	50.0	ug/l	1x	8090084	09/23/08 08:19	09/24/08 13:47	ds	
Surrogate(s): 4-BFB			*104%*		*80 - 120 %*		"			"	
Dibromofluoromethane			*108%*		*80 - 120 %*		"			"	
Toluene-d8			*96.6%*		*80 - 120 %*		"			"	
ARI0075-04 (MW-12)			**Water**				**Sampled: 09/16/08 13:40**				
Gasoline Range Organics	AK101 - MS	ND	-----	50.0	ug/l	1x	8090084	09/23/08 08:19	09/24/08 14:20	ds	
Surrogate(s): 4-BFB			*103%*		*80 - 120 %*		"			"	
Dibromofluoromethane			*105%*		*80 - 120 %*		"			"	
Toluene-d8			*95.1%*		*80 - 120 %*		"			"	

TestAmerica Anchorage

Troy Engstrom

Troy J. Engstrom, Lab Director

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Travis/Peterson Environmental Consulting, Inc. FBK	Project Name:	**Seekins**	
329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Analyst	Notes
ARI0075-01 (MW-1)			**Water**				**Sampled: 09/16/08 11:55**				
Dichlorodifluoromethane	EPA 8260B	ND	-----	1.00	ug/l	1x	8090178	09/24/08 08:23	09/24/08 19:50	Chr	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	Chr	
Vinyl chloride	"	ND	-----	0.200	"	"	"	"	"	Chr	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	Chr	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Carbon disulfide	"	ND	-----	1.00	"	"	"	"	"	Chr	
Methylene chloride	"	ND	-----	10.0	"	"	"	"	"	Chr	
Acetone	"	ND	-----	25.0	"	"	"	"	"	Chr	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	Chr	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
2-Butanone	"	**84.4**	-----	10.0	"	"	"	"	"	Chr	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Benzene	"	**6.32**	-----	0.200	"	"	"	"	"	Chr	
1,2-Dichloroethane (EDC)	"	ND	-----	1.00	"	"	"	"	"	Chr	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Toluene	"	**1750**	-----	50.0	"	50x	"	"	09/25/08 11:10	Chr	
4-Methyl-2-pentanone	"	ND	-----	10.0	"	1x	"	"	09/24/08 19:50	Chr	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	Chr	

TestAmerica Anchorage

Troy Engstrom

Troy J. Engstrom, Lab Director

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CS Approval Number: UST-067

Travis/Peterson Environmental Consulting, Inc. FBK	Project Name:	**Seekins**	
329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Analyst	Notes
ARI0075-01 (MW-1)			**Water**			**Sampled: 09/16/08 11:55**					
Ethylbenzene	EPA 8260B	**1080**	-----	50.0	ug/l	50x	8090178	09/24/08 08:23	09/25/08 11:10	Chr	
Chlorobenzene	"	ND	-----	1.00	"	1x	"	"	09/24/08 19:50	Chr	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
m,p-Xylene	"	**3680**	-----	100	"	50x	"	"	09/25/08 11:10	Chr	
o-Xylene	"	**2110**	-----	50.0	"	"	"	"	"	Chr	
Styrene	"	ND	-----	1.00	"	1x	"	"	09/24/08 19:50	Chr	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	Chr	
Isopropylbenzene	"	**56.0**	-----	50.0	"	50x	"	"	09/25/08 11:10	Chr	
n-Propylbenzene	"	ND	-----	1.00	"	1x	"	"	09/24/08 19:50	Chr	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,3,5-Trimethylbenzene	"	**175**	-----	50.0	"	50x	"	"	09/25/08 11:10	Chr	
2-Chlorotoluene	"	ND	-----	1.00	"	1x	"	"	09/24/08 19:50	Chr	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	Chr	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2,4-Trimethylbenzene	"	**735**	-----	50.0	"	50x	"	"	09/25/08 11:10	Chr	
sec-Butylbenzene	"	ND	-----	1.00	"	1x	"	"	09/24/08 19:50	Chr	
p-Isopropyltoluene	"	**4.24**	-----	1.00	"	"	"	"	"	Chr	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
n-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	Chr	
Hexachlorobutadiene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Naphthalene	"	**51.2**	-----	2.00	"	"	"	"	"	Chr	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	

Surrogate(s):	*Dibromofluoromethane*	*102%*	*62.2 - 128 %*	"	"	
	Toluene-d8	*156%*	*75.4 - 120 %*	"	"	*ZX*
	4-bromofluorobenzene	*123%*	*77.3 - 129 %*	"	"	

TestAmerica Anchorage

Troy Engstrom

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329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Analyst	Notes
ARI0075-02 (GWP-2)			**Water**				**Sampled: 09/16/08 12:57**				
Dichlorodifluoromethane	EPA 8260B	ND	-----	1.00	ug/l	1x	8090178	09/24/08 08:23	09/25/08 11:40	Chr	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	Chr	
Vinyl chloride	"	ND	-----	0.200	"	"	"	"	"	Chr	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	Chr	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Trichlorofluoromethane	"	**5.14**	-----	1.00	"	"	"	"	"	Chr	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Carbon disulfide	"	ND	-----	1.00	"	"	"	"	"	Chr	
Methylene chloride	"	ND	-----	10.0	"	"	"	"	"	Chr	
Acetone	"	ND	-----	25.0	"	"	"	"	"	Chr	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	Chr	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
2-Butanone	"	ND	-----	10.0	"	"	"	"	"	Chr	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Benzene	"	ND	-----	0.200	"	"	"	"	"	Chr	
1,2-Dichloroethane (EDC)	"	ND	-----	1.00	"	"	"	"	"	Chr	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Toluene	"	**3.97**	-----	1.00	"	"	"	"	"	Chr	
4-Methyl-2-pentanone	"	ND	-----	10.0	"	"	"	"	"	Chr	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	Chr	

TestAmerica Anchorage

Troy Engstrom

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329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Analyst	Notes
ARI0075-02 (GWP-2)			**Water**			**Sampled: 09/16/08 12:57**					
Ethylbenzene	EPA 8260B	**1.82**	-----	1.00	ug/l	1x	8090178	09/24/08 08:23	09/25/08 11:40	Chr	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
m,p-Xylene	"	**6.03**	-----	2.00	"	"	"	"	"	Chr	
o-Xylene	"	**3.81**	-----	1.00	"	"	"	"	"	Chr	
Styrene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	Chr	
Isopropylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	Chr	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
p-Isopropyltoluene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
n-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	Chr	
Hexachlorobutadiene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	Chr	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	

Surrogate(s):	*Dibromofluoromethane*	*105%*	*62.2 - 128 %*	"	"
	Toluene-d8	*82.6%*	*75.4 - 120 %*	"	"
	4-bromofluorobenzene	*89.4%*	*77.3 - 129 %*	"	"

TestAmerica Anchorage

Troy Engstrom

Troy J. Engstrom, Lab Director

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THE LEADER IN ENVIRONMENTAL TESTING

ANCHORAGE, AK 2000 W. INTERNATIONAL AIRPORT ROAD, SUITE A-10
ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210
CS Approval Number: UST-067

Travis/Peterson Environmental Consulting, Inc. FBK	Project Name:	**Seekins**	
329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Analyst	Notes
ARI0075-03 (MW-6)			**Water**				**Sampled: 09/16/08 13:18**				
Dichlorodifluoromethane	EPA 8260B	ND	-----	1.00	ug/l	1x	8090178	09/24/08 08:23	09/24/08 20:49	Chr	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	Chr	
Vinyl chloride	"	ND	-----	0.200	"	"	"	"	"	Chr	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	Chr	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Trichlorofluoromethane	"	**3.90**	-----	1.00	"	"	"	"	"	Chr	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Carbon disulfide	"	ND	-----	1.00	"	"	"	"	"	Chr	
Methylene chloride	"	ND	-----	10.0	"	"	"	"	"	Chr	
Acetone	"	ND	-----	25.0	"	"	"	"	"	Chr	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	Chr	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
2-Butanone	"	ND	-----	10.0	"	"	"	"	"	Chr	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Benzene	"	ND	-----	0.200	"	"	"	"	"	Chr	
1,2-Dichloroethane (EDC)	"	ND	-----	1.00	"	"	"	"	"	Chr	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Toluene	"	**2.35**	-----	1.00	"	"	"	"	"	Chr	
4-Methyl-2-pentanone	"	ND	-----	10.0	"	"	"	"	"	Chr	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Tetrachloroethene	"	**3.07**	-----	1.00	"	"	"	"	"	Chr	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	Chr	

TestAmerica Anchorage

Troy Engstrom

Troy J. Engstrom, Lab Director

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ANCHORAGE, AK 99502-1119
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CS Approval Number: UST-067

Travis/Peterson Environmental Consulting, Inc. FBK	Project Name:	**Seekins**	
329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Analyst	Notes
ARI0075-03 (MW-6)			**Water**				**Sampled: 09/16/08 13:18**				
Ethylbenzene	EPA 8260B	**1.33**	-----	1.00	ug/l	1x	8090178	09/24/08 08:23	09/24/08 20:49	Chr	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
m,p-Xylene	"	**3.93**	-----	2.00	"	"	"	"	"	Chr	
o-Xylene	"	**2.42**	-----	1.00	"	"	"	"	"	Chr	
Styrene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	Chr	
Isopropylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	Chr	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
p-Isopropyltoluene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
n-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	Chr	
Hexachlorobutadiene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	Chr	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	

Surrogate(s):	*Dibromofluoromethane*	*102%*	*62.2 - 128 %*	"	"
	Toluene-d8	*85.4%*	*75.4 - 120 %*	"	"
	4-bromofluorobenzene	*98.8%*	*77.3 - 129 %*	"	"

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Troy Engstrom

Troy J. Engstrom, Lab Director

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CS Approval Number: UST-067

Travis/Peterson Environmental Consulting, Inc. FBK	Project Name:	**Seekins**	
329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Analyst	Notes
ARI0075-04 (MW-12)		**Water**				**Sampled: 09/16/08 13:40**					
Dichlorodifluoromethane	EPA 8260B	ND	-----	1.00	ug/l	1x	8090178	09/24/08 08:23	09/24/08 21:19	Chr	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	Chr	
Vinyl chloride	"	ND	-----	0.200	"	"	"	"	"	Chr	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	Chr	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Trichlorofluoromethane	"	**3.57**	-----	1.00	"	"	"	"	"	Chr	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Carbon disulfide	"	ND	-----	1.00	"	"	"	"	"	Chr	
Methylene chloride	"	ND	-----	10.0	"	"	"	"	"	Chr	
Acetone	"	ND	-----	25.0	"	"	"	"	"	Chr	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	Chr	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
2-Butanone	"	ND	-----	10.0	"	"	"	"	"	Chr	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Benzene	"	ND	-----	0.200	"	"	"	"	"	Chr	
1,2-Dichloroethane (EDC)	"	ND	-----	1.00	"	"	"	"	"	Chr	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Toluene	"	**1.97**	-----	1.00	"	"	"	"	"	Chr	
4-Methyl-2-pentanone	"	ND	-----	10.0	"	"	"	"	"	Chr	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Tetrachloroethene	"	**2.71**	-----	1.00	"	"	"	"	"	Chr	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	Chr	

TestAmerica Anchorage

Troy Engstrom

Troy J. Engstrom, Lab Director

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CS Approval Number: UST-067

Travis/Peterson Environmental Consulting, Inc. FBK	Project Name:	**Seekins**	
329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Analyst	Notes
ARI0075-04 (MW-12)			**Water**			**Sampled: 09/16/08 13:40**					
Ethylbenzene	EPA 8260B	**1.12**	-----	1.00	ug/l	1x	8090178	09/24/08 08:23	09/24/08 21:19	Chr	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
m,p-Xylene	"	**3.18**	-----	2.00	"	"	"	"	"	Chr	
o-Xylene	"	**1.95**	-----	1.00	"	"	"	"	"	Chr	
Styrene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	Chr	
Isopropylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	Chr	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
p-Isopropyltoluene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
n-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	Chr	
Hexachlorobutadiene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	Chr	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	

Surrogate(s):	*Dibromofluoromethane*	*103%*	*62.2 - 128 %*	"	"
	Toluene-d8	*87.4%*	*75.4 - 120 %*	"	"
	4-bromofluorobenzene	*97.2%*	*77.3 - 129 %*	"	"

TestAmerica Anchorage

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329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Analyst	Notes
ARI0075-05 (Trip Blank)			**Water**				**Sampled: 09/16/08 13:40**				
Dichlorodifluoromethane	EPA 8260B	ND	-----	1.00	ug/l	1x	8090178	09/24/08 08:23	09/24/08 21:49	Chr	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	Chr	
Vinyl chloride	"	ND	-----	0.200	"	"	"	"	"	Chr	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	Chr	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Carbon disulfide	"	ND	-----	1.00	"	"	"	"	"	Chr	
Methylene chloride	"	ND	-----	10.0	"	"	"	"	"	Chr	
Acetone	"	ND	-----	25.0	"	"	"	"	"	Chr	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	Chr	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
2-Butanone	"	ND	-----	10.0	"	"	"	"	"	Chr	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Benzene	"	ND	-----	0.200	"	"	"	"	"	Chr	
1,2-Dichloroethane (EDC)	"	ND	-----	1.00	"	"	"	"	"	Chr	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Toluene	"	ND	-----	1.00	"	"	"	"	"	Chr	
4-Methyl-2-pentanone	"	ND	-----	10.0	"	"	"	"	"	Chr	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	Chr	

TestAmerica Anchorage

Troy Engstrom

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THE LEADER IN ENVIRONMENTAL TESTING

ANCHORAGE, AK 2000 W. INTERNATIONAL AIRPORT ROAD, SUITE A-10
ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210
CS Approval Number: UST-067

Travis/Peterson Environmental Consulting, Inc. FBK	Project Name:	**Seekins**	
329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Analyst	Notes
ARI0075-05 (Trip Blank)			**Water**				**Sampled: 09/16/08 13:40**				
Ethylbenzene	EPA 8260B	ND	-----	1.00	ug/l	1x	8090178	09/24/08 08:23	09/24/08 21:49	Chr	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	Chr	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Styrene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	Chr	
Isopropylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	Chr	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	Chr	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	Chr	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
p-Isopropyltoluene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
n-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	Chr	
Hexachlorobutadiene	"	ND	-----	1.00	"	"	"	"	"	Chr	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	Chr	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	Chr	

Surrogate(s):	*Dibromofluoromethane*	*104%*	*62.2 - 128 %*	"	"
	Toluene-d8	*86.8%*	*75.4 - 120 %*	"	"
	4-bromofluorobenzene	*89.6%*	*77.3 - 129 %*	"	"

TestAmerica Anchorage

Troy Engstrom

Troy J. Engstrom, Lab Director

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CS Approval Number: UST-067

Travis/Peterson Environmental Consulting, Inc. FBK	Project Name:	**Seekins**	
329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

Diesel Range Organics (C10-C25) per AK102 - Laboratory Quality Control Results

TestAmerica Anchorage

QC Batch: 8090085 **Water Preparation Method: EPA 3510**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8090085-BLK1)								**Extracted: 09/23/08 08:37**						
Diesel Range Organics	AK 102	ND	---	0.500	mg/l	1x	--	--	--	--	--	--	09/23/08 15:37	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 90.2%*			*Limits: 50-150%*	"							*09/23/08 15:37*	
LCS (8090085-BS1)								**Extracted: 09/23/08 08:37**						
Diesel Range Organics	AK 102	10.1	---	0.500	mg/l	1x	--	10.3	98.0%	(75-125)	--	--	09/23/08 16:08	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 88.3%*			*Limits: 60-120%*	"							*09/23/08 16:08*	
LCS Dup (8090085-BSD1)								**Extracted: 09/23/08 08:37**						
Diesel Range Organics	AK 102	10.6	---	0.500	mg/l	1x	--	10.3	103%	(75-125)	5.34%	(20)	09/23/08 16:40	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 95.8%*			*Limits: 60-120%*	"							*09/23/08 16:40*	
Duplicate (8090085-DUP1)					**QC Source: ARI0067-03**			**Extracted: 09/23/08 08:37**						
Diesel Range Organics	AK 102	ND	---	0.403	mg/l	1x	ND	--	--	--		(20)	09/23/08 15:37	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 106%*			*Limits: 50-150%*	"							*09/23/08 15:37*	

TestAmerica Anchorage

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CS Approval Number: UST-067

Travis/Peterson Environmental Consulting, Inc. FBK 329 2nd Street Fairbanks, ALASKA/USA 99701	Project Name: **Seekins** Project Number: 1197-02 Project Manager: Melissa Shippey	Report Created: 10/02/08 15:42

Gasoline Range Organics (C6-C10) per AK101-MS - Laboratory Quality Control Results

TestAmerica Anchorage

QC Batch: 8090084 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8090084-BLK1)								Extracted: 09/23/08 08:19						
Gasoline Range Organics	AK101 - MS	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	09/23/08 11:59	
Surrogate(s): 4-BFB		*Recovery: 104%*			*Limits: 80-120%*	"							*09/23/08 11:59*	
Dibromofluoromethane		*103%*			*80-120%*	"							"	
Toluene-d8		*95.5%*			*80-120%*	"							"	
LCS (8090084-BS1)								Extracted: 09/23/08 08:19						
Gasoline Range Organics	AK101 - MS	539	---	50.0	ug/l	1x	--	550	97.9%	(60-120)	--	--	09/23/08 10:53	
Surrogate(s): 4-BFB		*Recovery: 103%*			*Limits: 80-120%*	"							*09/23/08 10:53*	
Dibromofluoromethane		*102%*			*80-120%*	"							"	
Toluene-d8		*95.4%*			*80-120%*	"							"	
LCS Dup (8090084-BSD1)								Extracted: 09/23/08 08:19						
Gasoline Range Organics	AK101 - MS	523	---	50.0	ug/l	1x	--	550	95.1%	(60-120)	2.88%	(20)	09/23/08 11:26	
Surrogate(s): 4-BFB		*Recovery: 103%*			*Limits: 80-120%*	"							*09/23/08 11:26*	
Dibromofluoromethane		*102%*			*80-120%*	"							"	
Toluene-d8		*95.8%*			*80-120%*	"							"	
Duplicate (8090084-DUP1)					QC Source: ARI0070-01			Extracted: 09/23/08 08:19						
Gasoline Range Organics	AK101 - MS	ND	---	50.0	ug/l	1x	ND	--	--	--	4.00%	(12)	09/24/08 22:17	
Surrogate(s): 4-BFB		*Recovery: 103%*			*Limits: 80-120%*	"							*09/24/08 22:17*	
Dibromofluoromethane		*107%*			*80-120%*	"							"	
Toluene-d8		*96.3%*			*80-120%*	"							"	
Matrix Spike (8090084-MS1)					QC Source: ARI0070-02			Extracted: 09/23/08 08:19						
4-BFB		*103%*			*80-120%*	*1x*							*09/24/08 22:50*	
Surrogate(s): Dibromofluoromethane		*Recovery: 106%*			*Limits: 80-120%*	"							*09/24/08 22:50*	
Toluene-d8		*96.9%*			*80-120%*	"							"	
Matrix Spike Dup (8090084-MSD1)					QC Source: ARI0070-02			Extracted: 09/23/08 08:19						
4-BFB		*103%*			*80-120%*	*1x*							*09/24/08 23:23*	
Surrogate(s): Dibromofluoromethane		*Recovery: 106%*			*Limits: 80-120%*	"							*09/24/08 23:23*	
Toluene-d8		*96.4%*			*80-120%*	"							"	

TestAmerica Anchorage

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ANCHORAGE, AK 99502-1119
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CS Approval Number: UST-067

Travis/Peterson Environmental Consulting, Inc. FBK	Project Name:	**Seekins**	
329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Spokane

QC Batch: 8090178 **Water Preparation Method: GC/MS Volatiles**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8090178-BLK1)								**Extracted: 09/24/08 08:23**						
Dichlorodifluoromethane	EPA 8260B	ND	---	1.00	ug/l	1x	--	--	--	--	--	--	09/24/08 12:27	
Chloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Acetone	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane (EDC)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	

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329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Spokane

QC Batch: 8090178 **Water Preparation Method: GC/MS Volatiles**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8090178-BLK1)								Extracted: 09/24/08 08:23						
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	---	1.00	ug/l	1x	--	--	--	--	--	--	09/24/08 12:27	
m,p-Xylene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
p-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	---	5.00	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	

Surrogate(s):		*Recovery:*	*Limits:*		
	Dibromofluoromethane	*100%*	*62.2-128%*	"	*09/24/08 12:27*
	Toluene-d8	*88.2%*	*75.4-120%*	"	"
	4-bromofluorobenzene	*94.0%*	*77.3-129%*	"	"

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329 2nd Street	Project Number: 1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager: Melissa Shippey	10/02/08 15:42

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Spokane

QC Batch: 8090178 **Water Preparation Method: GC/MS Volatiles**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (8090178-BS1)								Extracted: 09/24/08 08:23						
1,1-Dichloroethene	EPA 8260B	10.1	---	1.00	ug/l	1x	--	10.0	101%	(60.4-140)	--	--	09/24/08 12:56	
Benzene	"	10.3	---	0.200	"	"	--	"	103%	(72.9-120)	--	--	"	
Trichloroethene	"	9.99	---	1.00	"	"	--	"	99.9%	(73.7-120)	--	--	"	
Toluene	"	9.52	---	1.00	"	"	--	"	95.2%	(72.4-132)	--	--	"	
Chlorobenzene	"	10.5	---	1.00	"	"	--	"	105%	(80-120)	--	--	"	
Surrogate(s): Dibromofluoromethane		*Recovery: 102%*			*Limits: 62.2-128%*	"							*09/24/08 12:56*	
Toluene-d8		*89.0%*			*75.4-120%*	"							"	
4-bromofluorobenzene		*93.4%*			*77.3-129%*	"							"	
Matrix Spike (8090178-MS1)				QC Source: SRI0111-01				Extracted: 09/24/08 08:23						
1,1-Dichloroethene	EPA 8260B	10.1	---	1.00	ug/l	1x	ND	10.0	101%	(52.5-135)	--	--	09/24/08 14:25	
Benzene	"	10.7	---	0.200	"	"	ND	"	107%	(72.3-120)	--	--	"	
Trichloroethene	"	11.0	---	1.00	"	"	ND	"	110%	(80-120)	--	--	"	
Toluene	"	10.2	---	1.00	"	"	ND	"	102%	(62.7-137)	--	--	"	
Chlorobenzene	"	11.3	---	1.00	"	"	ND	"	113%	(78.9-120)	--	--	"	
Surrogate(s): Dibromofluoromethane		*Recovery: 107%*			*Limits: 62.2-128%*	"							*09/24/08 14:25*	
Toluene-d8		*85.2%*			*75.4-120%*	"							"	
4-bromofluorobenzene		*87.4%*			*77.3-129%*	"							"	
Matrix Spike Dup (8090178-MSD1)				QC Source: SRI0111-01				Extracted: 09/24/08 08:23						
1,1-Dichloroethene	EPA 8260B	9.96	---	1.00	ug/l	1x	ND	10.0	99.6%	(52.5-135)	1.10%	(10.5)	09/24/08 14:54	
Benzene	"	10.7	---	0.200	"	"	ND	"	107%	(72.3-120)	0.0935%	(10.7)	"	
Trichloroethene	"	10.8	---	1.00	"	"	ND	"	108%	(80-120)	2.20%	(10)	"	
Toluene	"	9.87	---	1.00	"	"	ND	"	98.7%	(62.7-137)	2.90%	(13)	"	
Chlorobenzene	"	11.0	---	1.00	"	"	ND	"	110%	(78.9-120)	2.51%	(11.2)	"	
Surrogate(s): Dibromofluoromethane		*Recovery: 107%*			*Limits: 62.2-128%*	"							*09/24/08 14:54*	
Toluene-d8		*84.6%*			*75.4-120%*	"							"	
4-bromofluorobenzene		*84.2%*			*77.3-129%*	"							"	

TestAmerica Anchorage

Troy Engstrom

Troy J. Engstrom, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ANCHORAGE, AK 2000 W. INTERNATIONAL AIRPORT ROAD, SUITE A-10
ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210
CS Approval Number: UST-067

Travis/Peterson Environmental Consulting, Inc. FBK	Project Name:	**Seekins**	
329 2nd Street	Project Number:	1197-02	Report Created:
Fairbanks, ALASKA/USA 99701	Project Manager:	Melissa Shippey	10/02/08 15:42

Notes and Definitions

Report Specific Notes:

RL7 - Sample required dilution due to high concentrations of target analyte.

ZX - Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR/NA - Not Reported / Not Available

dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.

wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.

RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: AR10075

CLIENT: Travis/Peterson Environmental Consulting

REPORT TO: Melissa Shippey

ADDRESS: 329 2nd Street Fairbanks AK 99701

PHONE: 455-7225 FAX: 455-7228

INVOICE TO:

P.O. NUMBER:

PROJECT NAME: SEEKINS FORD

PROJECT NUMBER: 1197-02

SAMPLED BY: M. Shippey

TURNAROUND REQUEST

In Business Days *

Organic & Inorganic Analyses: [X] STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE: HCl | HCl | HCl

REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	8260 VOC	AK101 GRO	AK102 DRO	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	MW-1	9/16/08 11:55a	X	X	X	W	8		01
2	GWP-2	9/16/08 12:57p	X	X	X	W	8		02
3	MW-6	9/16/08 1:18p	X	X	X	W	8		03
4	MW-12	9/16/08 1:40p	X	X	X	W	8		04
5	TRIP BLANK	9/16/08 2:00p	X	X	X	W	3	VOC only	05
6									
7									
8									
9									
10									

RELEASED BY: M. Shippey
PRINT NAME: MELISSA S. SHIPPEY FIRM: Travis/Peterson DATE: Sept 17, 2008 TIME: 900 a.m.

RECEIVED BY: [signature]
PRINT NAME: Kyle Burrows FIRM: TA Anchorage DATE: 9/17/08 TIME: 1830

RELEASED BY:
PRINT NAME: FIRM: DATE: TIME:

RECEIVED BY:
PRINT NAME: FIRM: DATE: TIME:

ADDITIONAL REMARKS: Standard turnaround time. Level II data

TEMP: 0.3

PAGE 1 OF 1

TAL-1000(0406)

Test America Anchorage Cooler Receipt Form

(Army Corps. Compliant)

WORK ORDER # AR10075 CLIENT: Trans / Peterson PROJECT: Seeking Ford

Date /Time Cooler Arrived 9 / 17 / 08 18 :30 Cooler signed for by: Kyle Burrows (Print name)

Preliminary Examination Phase:

Date cooler opened: ☒ same as date received or ___/___/___

Cooler opened by (print) Dajeet Mahal (sign) [signature]

1. Delivered by ☒ ALASKA AIRLINES ☐ Fed-Ex ☐ UPS ☐ NAC ☐ LYNDEN ☐ CLIENT ☐ Other:

   Shipment Tracking # if applicable _____ (include copy of shipping papers in file)

2. Number of Custody Seals 2 Signed by Melissa Shipley Date 9 / 17 / 08

   Were custody seals unbroken and intact on arrival? ☒ Yes ☐ No

3. Were custody papers sealed in a plastic bag? ☐ Yes ☒ No

4. Were custody papers filled out properly (ink, signed, etc.)? ☒ Yes ☐ No

5. Did you sign the custody papers in the appropriate place? ☒ Yes ☐ No

6. Was ice used? ☒ Yes ☐ No Type of ice: ☐ blue ice ☐ gel ice ☐ real ice ☐ dry ice Condition of Ice: solid

   Temperature by Digi-Thermo Probe 0.3 °C Thermometer # Rec#3
   Acceptance Criteria: 0 - 6°C

7. Packing in Cooler: ☒ bubble wrap ☐ styrofoam ☐ cardboard ☐ Other:

8. Did samples arrive in plastic bags? ☒ Yes ☐ No

9. Did all bottles arrive unbroken, and with labels in good condition? ☒ Yes ☐ No

10. Are all bottle labels complete (ID, date, time, etc.) ☒ Yes ☐ No

11. Do bottle labels and Chain of Custody agree? ☒ Yes ☐ No

12. Are the containers and preservatives correct for the tests indicated? ☒ Yes ☐ No

13. Conoco Phillips, Alyeska, BP H2O samples only: pH < 2? ☐ Yes ☐ No ☒ N/A

14. Is there adequate volume for the tests requested? ☒ Yes ☐ No

15. Were VOA vials free of bubbles? ☐ N/A ☒ Yes ☐ No

    If "NO" which containers contained "head space" or bubbles? _____

Log-in Phase:

Date of sample log-in 09 / 18 / 08

Samples logged in by (print) Johanna Dreher (sign) [signature]

1. Was project identifiable from custody papers? ☒ Yes ☐ No
2. Do Turn Around Times and Due Dates agree? ☒ Yes ☐ No
3. Was the Project Manager notified of status? ☒ Yes ☐ No
4. Was the Lab notified of status? ☒ Yes ☐ No
5. Was the COC scanned and copied? ☒ Yes ☐ No

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
149487

Custody Seal September 17, 2008
DATE
Melissa S Shipley
SIGNATURE

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149487

TestAmerica
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148857

Custody Seal September 17, 2008
DATE
Melissa S Shipley
SIGNATURE

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