

**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

100.26.131
100-38-097

October 9, 2008
1197-02

RECEIVED

OCT 14 2008

**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 <i>dup. of MW-6</i>	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

^a18 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. ^bOther sources. ^cMCL 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.

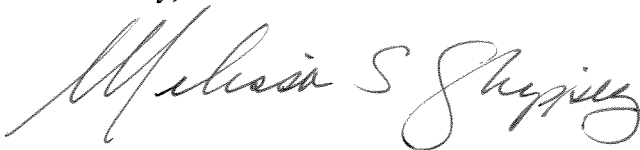
The relative percent difference (RPD) for detected analytes in duplicate pair MW-6 and MW-12 ranged from 9 percent to 21 percent. The data quality objective for precision (RPD < 30 percent) was therefore satisfied.

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,



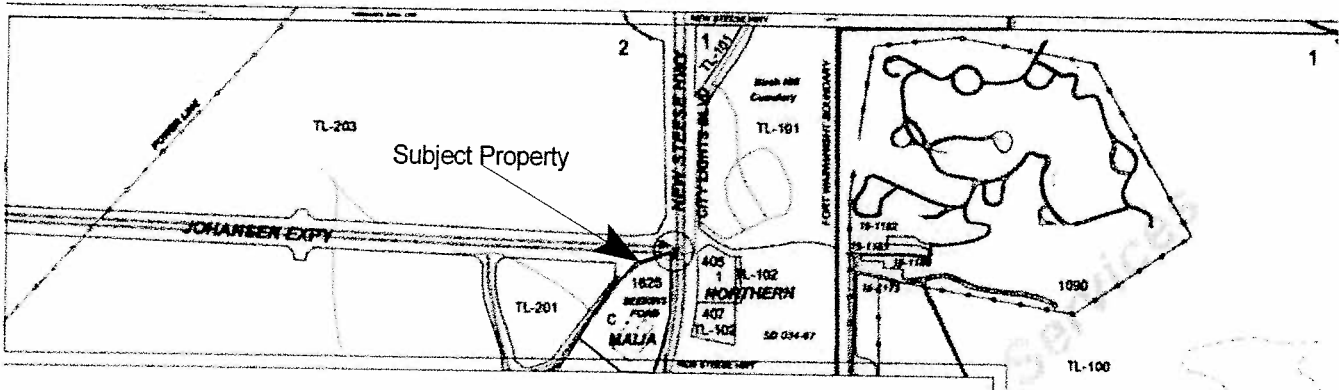
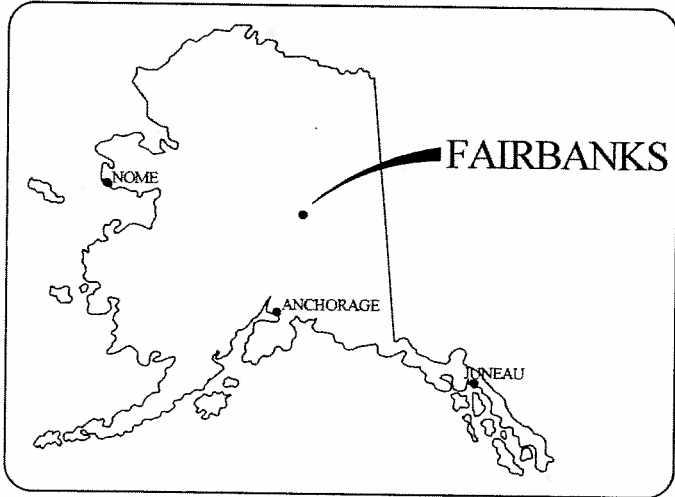
Melissa Shippey
Staff Scientist

Cc: Tamara Cardona-Marek, ADEC

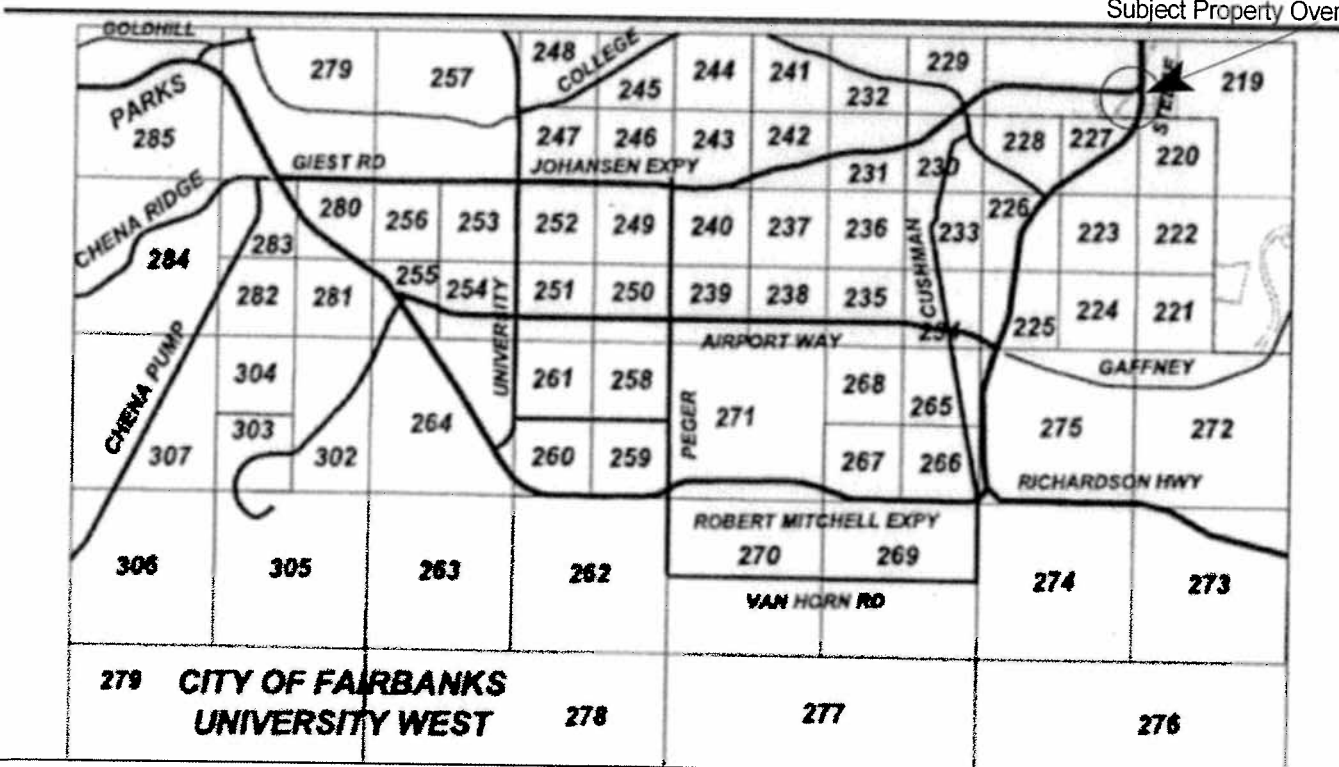
Attachments: Figures
Historical Groundwater Data
Laboratory Data Report

ATTACHMENT 1

FIGURES



Subject Property Overview



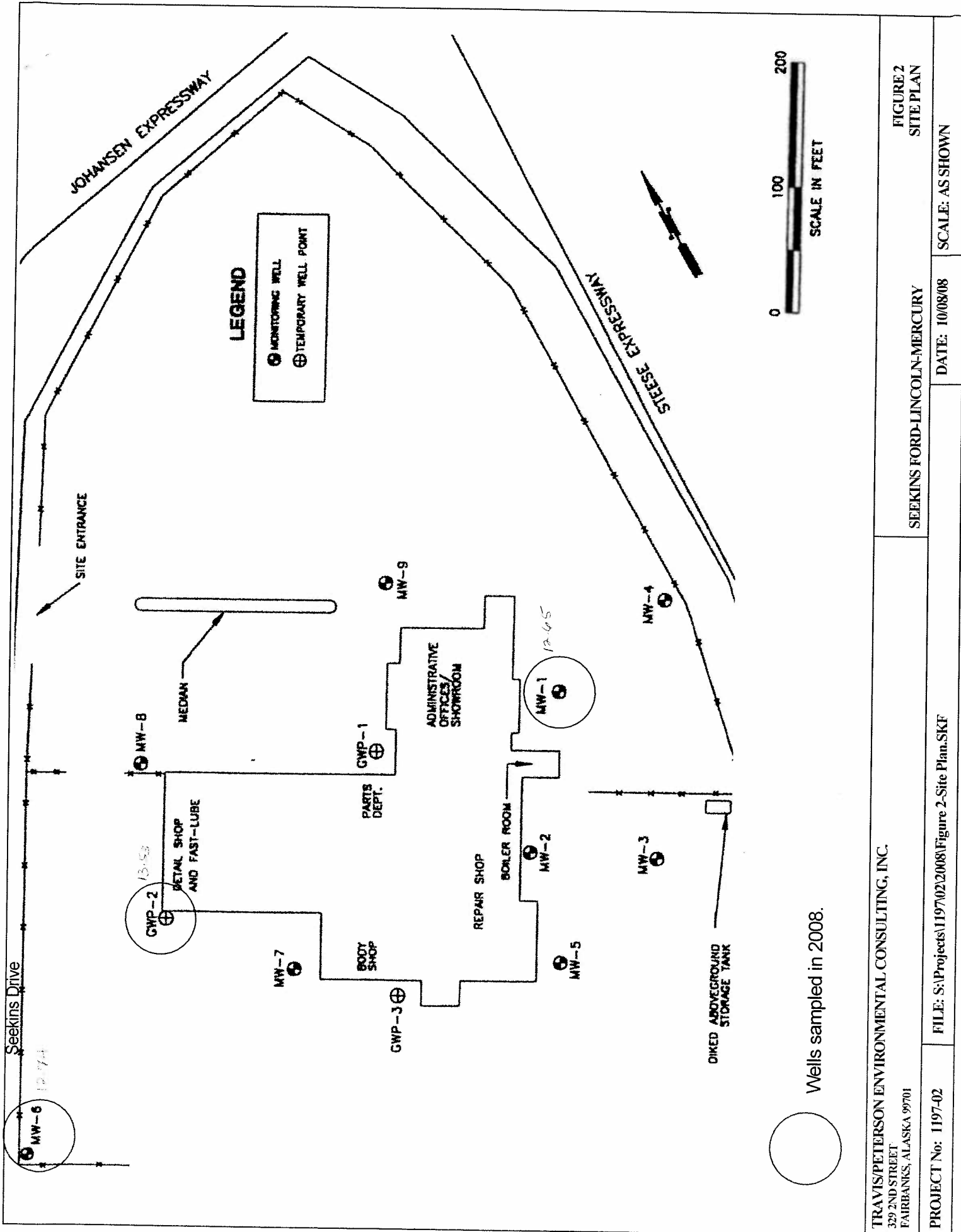
TRAVIS/PETERSON ENVIRONMENTAL CONSULTING, INC.
 329 2ND STREET
 FAIRBANKS, ALASKA 99701

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



Wells sampled in 2008.

TRAVIS/PETERSON ENVIRONMENTAL CONSULTING, INC.
 329 2ND STREET
 FAIRBANKS, ALASKA 99701

PROJECT No: 1197-02	FILE: S:\Projects\1197\02\2008\Figure 2-Site Plan.SKF	SEEKINS FORD-LINCOLN-MERCURY	FIGURE 2 SITE PLAN
		DATE: 10/08/08	SCALE: AS SHOWN

ATTACHMENT 2
HISTORICAL GROUNDWATER DATA

ATTACHMENT 3
LABORATORY DATA REPORT

Laboratory Data Review Checklist

Completed by:

Title:

Date:

CS Report Name:

Report Date:

Consultant Firm:

Laboratory Name:

Laboratory Report Number:

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 ($4^{\circ} \pm 2^{\circ} \text{C}$)?

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

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.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
ARI0075	Seekins	1197-02

TestAmerica Anchorage



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.



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

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 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.



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
--	---	-----------------------------------

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	
<i>Surrogate(s): 1-Chlorooctadecane</i>				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	
<i>Surrogate(s): 1-Chlorooctadecane</i>				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	
<i>Surrogate(s): 1-Chlorooctadecane</i>				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	
<i>Surrogate(s): 1-Chlorooctadecane</i>				105%		50 - 150 %	"			"	

TestAmerica Anchorage



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.



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						
Gasoline Range Organics	AK101 - MS	15500	----	500	ug/l	10x	8090084	09/23/08 08:19	09/24/08 12:41	ds	RL7
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 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.



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

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 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.



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

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 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.



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

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 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.



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

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 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.



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

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 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.



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

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 %	"				"	

TestAmerica Anchorage



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.



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

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 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.



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

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	
Bromofom	"	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



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.



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

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 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.



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

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 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.



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

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	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 90.2%</i>		<i>Limits: 50-150%</i>		"							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	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 88.3%</i>		<i>Limits: 60-120%</i>		"							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	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 95.8%</i>		<i>Limits: 60-120%</i>		"							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	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 106%</i>		<i>Limits: 50-150%</i>		"							09/23/08 15:37	

TestAmerica Anchorage



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.



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



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.



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

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	"	"	--	--	--	--	--	--	"	

TestAmerica Anchorage



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.



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
--	---	-----------------------------------

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

TestAmerica Anchorage



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.



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
--	---	-----------------------------------

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)	--	--	"	
<i>Surrogate(s): Dibromofluoromethane</i>		<i>Recovery: 102%</i>		<i>Limits: 62.2-128%</i>										
<i>Toluene-d8</i>		<i>89.0%</i>		<i>75.4-120%</i>										<i>09/24/08 12:56</i>
<i>4-bromofluorobenzene</i>		<i>93.4%</i>		<i>77.3-129%</i>										<i>"</i>

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)	--	--	"	
<i>Surrogate(s): Dibromofluoromethane</i>		<i>Recovery: 107%</i>		<i>Limits: 62.2-128%</i>										
<i>Toluene-d8</i>		<i>85.2%</i>		<i>75.4-120%</i>										<i>09/24/08 14:25</i>
<i>4-bromofluorobenzene</i>		<i>87.4%</i>		<i>77.3-129%</i>										<i>"</i>

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)	"	
<i>Surrogate(s): Dibromofluoromethane</i>		<i>Recovery: 107%</i>		<i>Limits: 62.2-128%</i>										
<i>Toluene-d8</i>		<i>84.6%</i>		<i>75.4-120%</i>										<i>09/24/08 14:54</i>
<i>4-bromofluorobenzene</i>		<i>84.2%</i>		<i>77.3-129%</i>										<i>"</i>

TestAmerica Anchorage



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.



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

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, Bedford, WA 98011-8244
 11922 E. First Ave, Spokane, WA 99206-5302
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

425-420-9200 FAX 420-9210
 509-924-9200 FAX 924-9290
 508-906-9200 FAX 906-9210
 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: **AR10075**

CLIENT: Travis/Peterson Environmental Consulting INVOICE TO:

REPORT TO: Melissa Shippey

ADDRESS: 329 2nd Street Fairbanks AK 99701

PHONE: 455-7225 FAX: 455-7228

PROJECT NAME: SEEKINS TOED

PROJECT NUMBER: 1197-02

SAMPLED BY: M. Shippey

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE				REQUESTED ANALYSES				MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
		HCl	HCl	HCl	HCl	260	8101	680	4102				
1. MW-1	9/16/08 11:55a	X	X	X	X	X	X	X	X	W	8		01
2. GWP-2	9/16/08 12:57p	X	X	X	X	X	X	X	X	W	8		02
3. MW-6	9/16/08 1:18p	X	X	X	X	X	X	X	X	W	8		03
4. MW-12	9/16/08 1:40p	X	X	X	X	X	X	X	X	W	8		04
5. TRIP BLANK	9/16/08 2:00p	X	X	X	X	X	X	X	X	W	3	VOC only	05
6.													
7.													
8.													
9.													
10.													

TURNAROUND REQUEST
 in Business Days *
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100

OTHER Specify:
 * Turnaround Request less than standard may incur Rush Charges:

RELEASED BY: Melissa Shippey DATE: Sept 17, 2008
 PRINT NAME: MELISSA S. SHIPPEY TIME: 9:00 a.m.
 RECEIVED BY: Travis/Peterson DATE: 9/17/08
 PRINT NAME: Travis/Peterson TIME: 1830

ADDITIONAL REMARKS: Standard turnaround time. Level II data

Test America Anchorage Cooler Receipt Form

(Army Corps. Compliant)

WORK ORDER # AR10075

CLIENT: Travis / 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) Daject 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 Shippey

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

Acceptance Criteria: 0 - 6°C Thermometer # Rec #3

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

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) Johanne 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
1 494 87

Custody Seal *September 17, 2008*
DATE *[Signature]*
SIGNATURE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
1 494 87

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
1 488 57

Custody Seal *September 17, 2008*
DATE *[Signature]*
SIGNATURE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
1 488 57