Laboratory Analysis Report

Carol Nagaruk
Native Village of Elim
P.O. Box 39070
Elim, AK 99739

Work Order:	1103477 Watershed
Client:	Native Village of Elim
Report Date:	August 30, 2010

Alaska Division Project Manager

Forest Taylor
2010.08.30
19:02:16
-08'00'

Enclosed are the analytical results associated with the above work order. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. If you have any questions regarding this report, or if we can be of any other assistance, please contact your SGS Project Manager at 907-562-2343. All work is provided under SGS general terms and conditions (<http://www.sgs.com/terms_and_conditions.htm>), unless other written agreements have been accepted by both parties.

SGS maintains a formal Quality Assurance/Quality Control (QA/QC) program. A copy of our Quality Assurance Plan (QAP), which outlines this program, is available at your request. The laboratory certification numbers are AK00971 (DW Chemistry & Microbiology) & UST-005 (CS) for ADEC and AK100001 for NELAP (RCRA methods: 1020A, 1311, 3010A, 3050B, 3520C, 3550C, 5030B, 5035B, 6010B, 6020, 7470A, 7471B, 8021B, 8081B, 8082A, 8260B, 8270D, 8270D-SIM, 9040B, 9045C, 9056A, 9060A, AK101 and AK102/103). Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP and, when applicable, the National Environmental Laboratory Accreditation Program and other regulatory authorities. The following descriptors or qualifiers may be found in your report:

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

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

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 27, 2010

Report to:
Annie Adkins
SGS Environmental Services Inc. - Alaska
200 W. Potter Dr.
Anchorage, AK 99518

Bill to:
Forest Taylor
SGS Environmental Services Inc. - Alaska
200 W. Potter Dr.
Anchorage, AK 99518

Project ID: 1103477
ACZ Project ID: L83513

Annie Adkins:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on July 29, 2010. This project has been assigned to ACZ's project number, L83513. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L83513. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after September 27, 2010. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than $10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.

Tony Antalek has reviewed and approved this report.

SGS Environmental Services Inc. - Alaska

August 27, 2010

Project ID: 1103477
ACZ Project ID: L83513

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 1 drinking water sample from SGS Environmental Services Inc. - Alaska on July 29, 2010. The sample was received in good condition. Upon receipt, the sample custodian removed the sample from the cooler, inspected the contents, and logged the sample into ACZ's computerized Laboratory Information Management System (LIMS). The sample was assigned ACZ LIMS project number L83513. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

This sample was analyzed for inorganic and radiochemistry parameters. The individual methods are referenced on both the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. The Radium 228 analysis was qualified with the ACZ 'N1' flag as the sample was associated with a failing duplicate. However, as there was insufficient sample available for re-analysis, the data was accepted.

SGS Environmental Services Inc. - Alaska
Project ID: 1103477
Sample ID: CLEAR CREEK H2O

ACZ Sample ID: ***L83513-01***
Date Sampled: *06/13/10 20:00*
Date Received: *07/29/10*
Sample Matrix: *Drinking Water*

Inorganic Prep

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Total Recoverable Digestion	M200.2 ICP-MS							08/02/10 16:51	cra

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Uranium, total recoverable	M200.8 ICP-MS	0.0005	B		mg/L	0.0001	0.0005	08/04/10 22:35	msh

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	LCSWD	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	LFB	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	LFM	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	LFMD	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	LRB	Laboratory Reagent Blank
ICB	Initial Calibration Blank	MS	Matrix Spike
ICV	Initial Calibration Verification standard	MSD	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	PBS	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	PBW	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	PQV	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	SDL	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.

(2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.

(3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.

(5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.

(6) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998).

Comments

(1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.

(2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.

(3) Animal matrices for Inorganic analyses are reported on an "as received" basis.

(4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

SGS Environmental Services Inc. - Alaska

ACZ Project ID: ***L83513***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

SGS Environmental Services Inc. - Alaska
Project ID: 1103477
Sample ID: CLEAR CREEK H2O
Locator:

ACZ Sample ID: ***L83513-01***
Date Sampled: *06/13/10 20:00*
Date Received: *07/29/10*
Sample Matrix: *Drinking Water*

Gross Alpha
M900.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	08/10/10 13:51		1.7	1.2	0.97	pCi/L	*	mwm

Radium 226
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226	08/18/10 9:18		0.18	0.1	0.21	pCi/L	*	mwm/jjg

Radium 228
M904.0

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 228	08/23/10 14:16		0.14	0.21	0.6	pCi/L	*	tcd

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	MS/MSD	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	PBS	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	PBW	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Replicate Error Ratio (RER) accepted because sample concentrations are less than 10x the MDL.
U	No nuclides detected above the Lower Limit of Detection (LLD)
V	High blank data accepted because sample concentration is 10 times higher than blank concentration
X	QC is out of control. See Case Narrative.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater, 19th edition (1995) & 20th edition (1998).
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

(1) Solid matrices are reported on a dry weight basis.

(2) Preparation method: "Method" indicates preparation defined in analytical method.

(3) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.

(4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

SGS Environmental Services Inc. - Alaska
Project ID: 1103477

ACZ Project ID: ***L83513***

Gross Alpha M900.0 pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG287969																
WG287269PBW	PBW	08/10/10						.59	0.94	0.94			1.88			
WG287269LCSW	LCSW	08/10/10	RC091218-1	81.06				90	8.2	1.4	111	63	146			
L83364-01DUP	DUP-RPD	08/10/10			3.5	2.5	2	2.8	2.5	2.1				22.2	20	RG
L83364-01DUP	DUP-RER	08/10/10			3.5	2.5	2	2.8	2.5	2.1				0.2	2	
L83514-01DUP	DUP-RER	08/10/10			4	1.8	1.1	5.7	2	1.1				0.63	2	
L83514-01DUP	DUP-RPD	08/10/10			4	1.8	1.1	5.7	2	1.1				35.1	20	RG
L83364-02MS	MS	08/10/10	RC091218-1	67.55	9.8	3.2	1.8	56	7.6	1.9	68.4	63	146			

Radium 226 M903.1 pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG288198																
WG287663PBW	PBW	08/18/10						.04	0.09	0.2			0.4			
WG287663LCSW	LCSW	08/18/10	RC100624-2	23.92				20	0.52	0.18	83.6	45	131			
L83364-03DUP	DUP-RPD	08/18/10			2.1	0.23	0.29	2.4	0.25	0.3				13.3	20	
L83513-01DUP	DUP-RER	08/18/10			0.18	0.1	0.21	.11	0.09	0.22				0.52	2	
L83513-01DUP	DUP-RPD	08/18/10			0.18	0.1	0.21	.11	0.09	0.22				48.3	20	RG
L83364-10MS	MS	08/18/10	RC100624-2	23.92	2	0.19	0.2	3.7	0.28	0.26	7.1	45	131			M2

Radium 228 M904.0 pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG288518																
WG287750LCSW	LCSW	08/23/10	RC100813-2	12.3				16	0.96	1.3	130.1	49	132			
WG287750PBW	PBW	08/23/10						.34	0.21	0.64			1.28			
L83443-02DUP	DUP-RPD	08/23/10			2.9	0.29	0.56	1.7	0.28	0.59				52.2	20	N1
L83624-02MS	MS	08/23/10	RC100813-2	12.3	0.26	0.44	1.4	8.4	0.8	1.3	66.2	49	132			
L83624-01DUP	DUP-RER	08/23/10			0.12	0.46	1.3	.19	0.45	1.3				0.11	2	

SGS Environmental Services Inc. - Alaska

ACZ Project ID: ***L83513***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L83513-01	WG287969	Gross Alpha	M900.0	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG288198	Radium 226	M903.1	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
	WG288518	Radium 228	M904.0	N1	See Case Narrative.

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

SGS Environmental Services Inc. - Alaska
1103477

ACZ Project ID: L83513
Date Received: 07/29/2010 11:11
Received By: gac
Date Printed: 7/30/2010

Receipt Verification

	YES	NO	NA
1) Does this project require special handling procedures such as CLP protocol?			X
2) Are the custody seals on the cooler intact?	X		
3) Are the custody seals on the sample containers intact?			X
4) Is there a Chain of Custody or other directive shipping papers present?	X		
5) Is the Chain of Custody complete?	X		
6) Is the Chain of Custody in agreement with the samples received?	X		
7) Is there enough sample for all requested analyses?	X		
8) Are all samples within holding times for requested analyses?	X		
9) Were all sample containers received intact?	X		
10) Are the temperature blanks present?			X
11) Are the trip blanks (VOA and/or Cyanide) present?			X
12) Are samples requiring no headspace, headspace free?			X
13) Do the samples that require a Foreign Soils Permit have one?			X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id		Temp (°C)	Rad (µR/hr)
Na11329		14.7	15

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

SGS Environmental Services Inc. - Alaska
1103477

ACZ Project ID: L83513
Date Received: 07/29/2010 11:11
Received By: gac
Date Printed: 7/30/2010

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y< 2	YG< 2	B< 2	O < 2	T >12	N/A	RAD	ID
L83513-01	CLEAR CREEK H2O	Y										

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: gac

SGS North America Inc.
CHAIN OF CUSTODY RECORD

Locations Nationwide

Alaska	Maryland
New Jersey	New York
North Carolina	Ohio
West Virgina	
www.us.sgs.com	

L835513

CLIENT:	SGS AK	SGS Reference #:	ACZ Labs
CONTACT:	Annie Adkins	PHONE NO: 907-562-2343	page 1 of 1
PROJECT:	Elim	SITE/PWSID#:	
REPORTS TO:		E-MAIL: callianne.adkins@sgs.com	
INVOICE TO:		P.O. #: 1103477	

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	Preserv Used / SAMPLE TYPE C = COMP G = GRAB / MI = Multi Incremental Soils	HNO3									REMARKS/ LOC ID
							x Radionuclides									
	Clear Creek H2O	6/23/10	20:00	water	1	C	X									1118477003

Collected/Relinquished By: (1) Annie Adkins	Date 7/24/10	Time 1100	Received By:	11:10 7-29-10
Relinquished By: (2)	Date	Time	Received By:	
Relinquished By: (3)	Date	Time	Received By:	
Relinquished By: (4)	Date	Time	Received For Laboratory By:	

DOD Project? YES NO

Cooler ID _____

Special Deliverable Requirements:

Requested Turnaround Time and-or Special Instructions:

Temperature Blank °C: _____
See attached Sample Receipt Form

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT
(See attached Sample Receipt Form)

Page 15 of 15

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

SGS North America Inc.
CHAIN OF CUSTODY RECORD

Locations Nationwide
- Alaska
- Maryland
- New Jersey
- New York
- North Carolina
- Ohio
- West Virginia

www.us.sgs.com

(1)

CLIENT: Native Village of Elim

CONTACT: Leigh Takak PHONE NO: (907)890-3737

PROJECT: Watershed SITE/PWSID#: N64°36.991' W162°15.503'

REPORTS TO: Elim IRA EMAIL: backoff2gurl@yahoo.com

INVOICE TO: QUOTE #:

P.O. #:

SGS Reference #:

page 01 of 01

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples
①A-H	1000mL Clear Creek H2O	06/13	8100p		8	G
②A						

Preservatives Used: None

Analysis Required: (3)

1103477

REMARKS/ LOC ID

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
Leigh Takak	07/13/10	1:25p	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By: Katherine Baker 7/15/10 1515

(4)

DOD Project? YES NO

Cooler ID _____

Cooler Temp °C _____

Special Deliverable Requirements: The bottles have dippers and toothpicks

Requested Turnaround Time and-or Special Instructions:

Temperature Blank Therm #

°C: _____ _____

or Ambient ☐

Chain of Custody Seal: (Circle)

INTACT BROKEN (ABSENT)

SGS

1103477

SAMPLE RECEIPT FORM

Review Criteria:	Condition:	Comments/Action Taken:
Were **custody seals** intact? Note # & location if applicable. COC accompanied samples?	Yes No (N/A) (Yes) No N/A	
Temperature blank compliant (i.e., 0-6°C after correction factor)? Cooler ID: _____ @ ambient w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ ***Note: If non-compliant, use form FS-0029 to document affected samples/analyses.*** If samples are received <u>without</u> a temperature blank, the "cooler temperature" will be documented in lieu of the temperature blank & "**COOLER TEMP**" will be noted to the right. In cases where neither a temp blank <u>nor</u> cooler temp can be obtained, note "ambient" or "chilled." If temperature(s) <0°C, were all containers ice free?	Yes No (N/A) Yes No (N/A)	
Delivery method (specify all that apply): Client (USPS) Alert Courier Road Runner AK Air Lynden Carlile ERA FedEx UPS NAC PenAir Other:	Note airbill/tracking # See Attached (or N/A)	
* For samples received with payment, note amount ($ 440.00) and cash / (check) / CC (circle one). N/A * For samples received in FBKS, ANCH staff will verify all criteria are reviewed.	SRF Initiated by: (N/A)	
Do samples **match COC** (i.e., sample IDs, dates/times collected)? Are analyses requested unambiguous?	Yes (No) N/A (Yes) No N/A	all times & dates on labels (7/9/10 & 1135/1136) disagree with COC (6/13/10 & 0800). PM says proceed.
Were samples in **good condition** (no leaks/cracks/breakage)? Packing material used (specify all that apply): Bubble wrap Separate plastic bags Vermiculite Other: none	(Yes) No N/A	
Were all VOA vials **free of headspace** (i.e., bubbles ≤6 mm)? Were all soil VOAs **field extracted** with MeOH+BFB?	Yes No (N/A) Yes No (N/A)	
Were **proper containers** (type/mass/volume/preservative) used? Were the bottles provided by SGS? (Note apparent exceptions.) Were **Trip Blanks** (VOAs, LL-Hg) in cooler with samples?	(Yes) No N/A Yes (No) N/A Yes No (N/A)	PM notified & says proceed
For preserved waters (other than VOA vials, LL-Mercury or microbiological analyses), was **pH verified and compliant**? If pH was adjusted, were bottles flagged (i.e., stickers)? ***Refer to attached bottle sheet (form F066) for documentation.***	Yes No (N/A) Yes No (N/A)	
For **RUSH** <u>or</u> **SHORT HOLD TIME** samples, were the COC & this SRF flagged, bottles flagged (e.g., stickers) and lab notified?	Yes No (N/A)	
For client requested, **site-specific QC** (e.g., MS/MSD/DUP), were bottles flagged (e.g., stickers) and numbered accordingly?	Yes No (N/A)	
For **special handling** (e.g., "MI" or foreign soils, lab filter, limited volume, Ref Lab), were bottles/paperwork flagged (e.g., sticker)?	(Yes) No N/A	Ref Lab
Was **PEER REVIEW** of sample numbering completed (i.e., compare WO# on containers to COC, container ID on containers to COC, each container had a unique container ID)? Was the WO# recorded in Front Counter/Sample Receiving log?	(Yes) No N/A (Yes) No N/A	SRF Completed by: DMB Bottle Sheet by: KMB Peer Reviewed by: LP
For any questions answered "NO," was the PM notified?	(Yes) No N/A	PM = FOREST N/A

Additional notes (if applicable):

ANALYSIS IS RADIONUCLIDES. FAT 7/15/10

WO# (7 digits)	Sample # - Sample #	Container ID - Container ID	Matrix	QC	Preservative (CHECKED)	TEST GROUP	PRINT LABELS	Notes: ANOMALIES - *e.g., preservative added* or SPECIAL HANDLING - *e.g., Multi-Incremental (MI), Field Filter (FF), Lab Filter (LF), use "same jar as" (SJA) for QC, 2xMeOH, bubbles, etc.*
SAMPLE ID			TYPE		CONTAINERS	ANALYSIS		Type comments below:
1103477	001	001 A H	1 Water		N/A	W_REF_LAB		
1103477	002	002 A A	1 Water		HNO3 (pH <2)	W_REF_LAB		**composite of sample 1**