# COMPLETE PFAS SAMPLING RESULTS

						Pub	lic Wa	ater Syst	em Sou	urce b	y Com	mun	ity			
Contaminan of Concern	A 1 1 H ( '	Am	bler	Buckland	Deering	Kiana		Kivalina	Kobuk	Kobuk Kotzebue		Noatak		Noorvik Selaw		Shungnak
(ng/L)	Action Levels	2002 Well	1982 Well	Buckland River	Inmachuk River	Upper Well		Wulik River	Main Well	Devils Lake	Vortac Lake	Well #5	Well #6	Kobuk River	Selawik River	Kobuk River
PFOA	Combination of the analytes	0.31	0.36	ND	ND	ND	ND	ND	0.32	ND	ND	ND	ND	0.23	0.41	ND
PFOS	should not exceed 70 ng/L	ND	ND	ND	ND	ND	ND	ND	0.29	ND	ND	ND	ND	ND	0.43	ND
PFHpA		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFNA	No	ND	ND	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PFHxS	Action Levels	0.34	0.39	ND	ND	ND	ND	ND	ND	5.43	ND	ND	ND	ND	ND	ND
PFBS		0.27	0.28	ND	0.38	ND	ND	ND	ND	ND	3.82	ND	ND	ND	ND	ND

### Detectable Concentration

#### ND = Not Detected

Results are "Not Detected" when the concentration is lower than the Detection Limit.

#### **Meansurement Equivalents**

1 ng/L = 1 ppt

One nanogram per liter equals one part per trillion

#### **Contaminants Name and Acronym**

Perfluorooctanoic Acid (PFOA)

Perfluorooctane Sulfonate (PFOS)

Perfluoroheptanoic Acid (PFHpA)

Perfluorononanoic Acid (PFNA)

Perfluorohexane Sulfonate (PFHxS)

Perfluorobutane Sulfonate (PFBS)

Presented are the complete PFAS sampling results from each public water system source in the Northwest Arctic Borough (2019). The Department of Environmental Conservation (ADEC) recommends drinking water samples check for 6 different PFAS contaminants. On the left are all six of the PFAS contaminant acronyms that were analyzed. The second table column shows the ADEC Action Levels which mirror the EPA Health Advisory Limit of 70 ng/L for the sum of PFOA and PFOS concentrations (PFOA and PFOS results are outlined red in the table). 11 communities were investigated and 15 different water sources were sampled.

According to ADEC's current health guidelines, all public water system sources in the Northwest Arctic Borough have safe PFAS levels.





Generic Maniilag Association

Work Order: 1195221

Shungnak IRA

Client: Maniilaq Association

**Report Date:** September 23, 2019

Enclosed are the analytical results associated with the above work order. The results apply to the samples as received. 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. This document is issued by the Company under its General Conditions of Service accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS maintains a formal Quality Assurance/Quality Control (QA/QC) program. A copy of our Quality Assurance Plan (QAP), which outlines this program, is available at your request. The laboratory certification numbers are AK00971 (DW Chemistry & Microbiology) & 17-021 (CS) for ADEC and 2944.01 for DOD ELAP/ISO 17025 (RCRA methods: 1020B, 1311, 3010A, 3050B, 3520C, 3550C, 5030B, 5035A, 6020A, 7470A, 7471B, 8015C, 8021B, 8082A, 8260C, 8270D, 8270D-SIM, 9040C, 9045D, 9056A, 9060A, AK101 and AK102/103). SGS is only certified for the analytes listed on our Drinking Water Certification, and only those analytes will be reported to the State of Alaska for compliance. Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP and, when applicable, other regulatory authorities.

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

\* The analyte has exceeded allowable regulatory or control limits.

! Surrogate out of control limits.

B Indicates the analyte is found in a blank associated with the sample.

CCV/CVA/CVB Continuing Calibration Verification

CCCV/CVC/CVCA/CVCB Closing Continuing Calibration Verification

CL Control Limit

DF Analytical Dilution Factor

DL Detection Limit (i.e., maximum method detection limit)

E The analyte result is above the calibrated range.

GT Greater Than

ICV Initial Calibration Verification

J The quantitation is an estimation.

LCS(D) Laboratory Control Spike (Duplicate)

LLQC/LLIQC Low Level Quantitation Check

LOD Limit of Detection (i.e. 1/2 of the LOC

LOD Limit of Detection (i.e., 1/2 of the LOQ)

LOQ Limit of Quantitation (i.e., reporting or practical quantitation limit)
LT Less Than

MB Method Blank

MS(D) Matrix Spike (Duplicate)
ND Indicates the analyte is not detected.

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.



#### - PRELIMINARY -

SGS Ref.# Client Name Project Name/# Client Sample ID Matrix

Printed Date/Time Collected Date/Time 09/23/2019 15:16

Received Date/Time

Technical Director Stephen C. Ede

Sample Remarks:

						Allowable	Prep	Analysis	
Parameter	Results	LOQ	Units	Method	Container ID	Limits	Date	Date	Init

Surrogates

#### Warner, Nicole (Anchorage)

From: Sean Peterson <speterson@zendergroup.org>
Sent: Wednesday, September 18, 2019 5:41 PM

**To:** Warner, Nicole (Anchorage) **Subject:** [EXTERNAL] Re: Maniilaq

Follow Up Flag: Follow up Flag Status: Flagged

\*\*\* WARNING: this message is from an EXTERNAL SENDER. Please be cautious, particularly with links and attachments.

\*\*\*

Yes they are paying for all of the samples

Sent from my iPhone

On Sep 18, 2019, at 5:35 PM, Warner, Nicole (Anchorage) < NICOLE.WARNER@sgs.com> wrote:

Good afternoon!

I wanted to verify something with you—it looks like for one of the workorders for PFCs that came back, Maniilaq Association was put as the company to invoice. Should this be the case for all the PFC's in this project event?

Thank you!

-Nicole

#### **Nicole Warner**

SGS North America, Inc

Project Manager 200 W Potter Dr Anchorage, AK 99518 Phone: 907-562-2343 Mobile: 550-3217

E-mail: Nicole.warner@sgs.com

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<1195121\_COC.pdf>



# SGS North America Inc. CHAIN OF CUSTODY RECORD



1195221

specific method and/or REMARKS/LOC ID compound list: BTEX, Data Deliverable Requirements: Chain of Custody Seal: (Circle) INTAGT BROKEN ABSENT analyses require Please report PFOS, PFOA, PFNA, PFHxS, PFHpA, and PFBS. \*The following Metals, PFAS Delivery Method: Hand Delivery[ ] Commerical Delivery'[ www.us.sgs.com Requested Turnaround Time and/or Special Instructions: Instructions: Sections 1 - 5 must be filled out. Omissions may delay the onset of analysis. DOD Project? Yes No 030 Preservative or Ambient [ ] Temp Blank °C: 566 Analysis' Section 4 Cooler ID: 9419 9 Both Charlotte Sheridan \*2A79 - 7E8 A93 Received For Laboratory By: Comp (Multi-incre-mental) Grab Section 3 Ξ P Received By: Received By: Received By: Profile #: 362527 NSW 4[5/49 MATRIX/ CODE 437-5064 PROJECT/ PWSID/ PERMIT#: 9/4/19 3:10Pm TIME HH:MM 9.05.W D.20 hungaak KRA 95FB mm/dd/yy DATE Date QUOTE #: Date Relinquished By: (2) Charlotte Derida Date Date E-MAIL: P.O. #: SAMPLE IDENTIFICATION વ Relinguished By: (1) Relinquished By: (4) Relinquished By: (3) TY &Y Tress REPORTS TO: RESERVED for lab use CONTACT PROJECT (FB) CLIENT: NAME: Section 1 Section 2 Section 5





# SGS North America Inc.

ar Bri Sta

Time	

t pickup Date:  Be sure to ask if client will ship by ground (DOT) or air carrier (IATA)	int:	er: AK Air Cargo	er:	Date to ship by: 8/22/2019	es:	JAN Date:	by: 12/19	by: A·L Date: 1	by: \( \( \lambda \) Date: \( \lambda \)	•
Sample Kit Request  Be sure to ask if client	ild.	☑ Ship by/Air Carrier: AK Air Cargo	Airbill Number:	Date to ship I	Notes:	Kit request taken by:	Kit prepared by:	Kit (including lid tightness for pres'd bottles) checked by:	Kit packed & shipped by:	
Anchorage, AK 99518 (ph) 190, Fairbanks, AK 99518 (ph) 907-562-2343, (fax) 907-561-99709 (ph) 907-474  Samp	Does a Profile exist in LIMS? If not, please send a request for new profile build.	Zender Environmental	eterson Phone #:	speterson@zendergroup.org	ignak Project/Permit#:	Profile #:	Kotzebue, Alaska (OTZ)	c/o Zender Environmental	attn: Sean Peterson (907) 854-0505	
100	Does a Profile exist in L	Client Name:	Ordered By: Sean Peterson	Email:	Project Name: Shungnak	Quote #:		Delivery Address:		

Total	Bottles	2								ve in container.	•
30 #	Bottles	0							,	l preservati	atile waters
Hold	Time	14 d								be aware of any acid	overfill (except vola
Preservative	Lot #							Attention Client/Sampler:		1. Do not rinse container; be aware of any acid preservative in container.	2. Fill container, but do not overfill (except volatile waters).
	Bottle Lot #										
	Pres.	Trizma						ø			
	Size & Type	Teflon Free HDPE						☐ Total # includes bottles for % Solids	□ Track all Lot#? (Required for DOD)		
	Container Size &	2 x 250 mL						☐ Total # includes	☐ Track all Lot#?	□ Foreign Soil	
	Analysis	EPA 537 - PFAS				P 104-14	1.104	Pack for Shipping via ground (DOT)	Pack for Shipping via air carrier (IATA)	Temperature Blank (circle one: 120-ml OR 500-ml) ☐ Foreign Soil	Soil VOA Trip Blank - Lot#:
	Matrix	DW						for Shippin	for Shippii	erature Bl.	'OA Trip B
No.	Samples Matrix	-						□ Pack	☑ Pack	⊡ Temp	NioS □

Water VOA Trip Blank - Lot#:

Low Level Mercury Trip Blank- Lot#: 524 VOA Trip Blank - Lot#:

Coolers Gel Ice **Bubble Wrap** 

**Custody Seals** Labels

SGS COCs - Circle reg'd forma 

Blank COC 

But COC 

COC initiated by PM (attasted additional instructions/documents (Note to PM: Be sure to attach copy of requested form.) 

Other Notes/Reminders for Kit Prep:

3. Label the container with your sample ID as well as the date/time of collection.

Charges may be invoiced for bottles which are unused or improperly used.

If you have any questions concerning this sample kit, please contact your Project Manager for assistance. *Thank you.* 

5. Add frozen gel packs or ice to your cooler & pack to prevent breakage.

4. Fill out the Chain of Custody.

the form to the network. This should not be used outside of SGS. confirmation to the client email and save \*This will email a copy of this form for

囸 COC initiated by PM (attached)



e-Sample Receipt Form

SGS Workorder #:

1195221



Daview Oritania	01			F		اما اممام		•
Review Criteria	Condition (Yes		_		ptions N			
Chain of Custody / Temperature Requi			N/A	Exemption per	mitted if sar	mpler hand	carries/deli	vers.
Were Custody Seals intact? Note # &	location	2 Box						
COC accompanied sa	amples? Yes							
DOD: Were samples received in COC corresponding of	coolers? N/A							
N/A **Exemption permitted if	chilled & colle	ected <8 h	ours	ago, or for sam	ples where	chilling is n	ot required	
Temperature blank compliant* (i.e., 0-6 °C after	er CF)? Yes	Cooler II	D:	1	@	<b>2.6</b> °C	Therm. ID:	D30
		Cooler II	D:		@	°C	Therm. ID:	
If samples received without a temperature blank, the "cooler temperature" will		Cooler II	D:		@	°C	Therm. ID:	:
documented instead & "COOLER TEMP" will be noted to the right. "ambient" or "ch be noted if neither is available.	nilled" will	Cooler II	D:		@	°C	Therm. ID:	:
		Cooler II	D:		@	°C	Therm. ID:	:
*If >6°C, were samples collected <8 hours	ago? N/A							
,		1						
If <0°C, were sample containers ice	e free?	1						
ii 40 0, Wolo campio comanicio ico	14/4	1						
Note: Identify containers received at non-compliant temper	ratura							
Use form FS-0029 if more space is n								
'								
Holding Time / Documentation / Sample Condition Re	equirements	Note: Refe	er to fo	orm F-083 "Sample	e Guide" for s	necific holdin	na times	
Were samples received within holding			1 10 10	omi coo campi	c Guide 101 3	peome notali	ig times.	
TVOID GAITIPIGE TOOGIVGE THE HIT HOLAINS	9 11110	1						
Do samples match COC** (i.e.,sample IDs,dates/times colle	acted)2 No	No colle	ction	time on COC.	Used colle	ction time	from same	ole label.
**Note: If times differ <1hr, record details & login per C	· •							
***Note: If sample information on containers differs from COC, SGS will default to C								
Were analytical requests clear? (i.e., method is specified for ar with multiple option for analysis (Ex: BTEX, I		1						
with multiple option for analysis (Ex. BTEX, I	ivictais)							
							222 2/224	
			N/A	***Exemption p	permitted to	<u>r metals (e.</u>	.g,200.8/602	20A).
Were proper containers (type/mass/volume/preservative***	)used? Yes	ļ						
V 1 29 711 11 5	!	-						
Volatile / LL-Hg Reg								
Were Trip Blanks (i.e., VOAs, LL-Hg) in cooler with sar		41						
Were all water VOA vials free of headspace (i.e., bubbles ≤	′ I	41						
Were all soil VOAs field extracted with MeOH	+BFB? N/A							
Note to Client: Any "No", answer above indicates no	n-compliance	with stand	lard p	procedures and	may impac	t data quali	ty.	
Additiona	al notes (if a	annlicahl	۵).					
Additional	in included (in t	аррпсаы	<b>υ</b> ).					



#### **Sample Containers and Preservatives**

Container Id	<u>Preservative</u>	<u>Container</u>	Container Id	<u>Preservative</u>	<u>Container</u>
		<u>Condition</u>			<u>Condition</u>
1195221001-A	Trizma	OK			
1195221001-B	Trizma	OK			

#### **Container Condition Glossary**

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

- OK The container was received at an acceptable pH for the analysis requested.
- BU The container was received with headspace greater than 6mm.
- DM The container was received damaged.
- FR The container was received frozen and not usable for Bacteria or BOD analyses.
- IC The container provided for microbiology analysis was not a laboratory-supplied, pre-sterilized container and therefore was not suitable for analysis.
- NC- The container provided was not preserved or was under-preserved. The method does not allow for additional preservative added after collection.
- PA The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt and the container is now at the correct pH. See the Sample Receipt Form for details on the amount and lot # of the preservative added.
- PH The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt, but was insufficient to bring the container to the correct pH for the analysis requested. See the Sample Receipt Form for details on the amount and lot # of the preservative added. QN Insufficient sample quantity provided.





# FINAL LAB REPORT 1195221

31901570-R1

26-Sep-2019

Prepared by

#### **SGS NORTH AMERICA**

Prepared for

#### SGS North America Inc.

Julie Shumway

200 W. Potter Dr. Anchorage, AK 99518 Phone: 907-562-2343

Email: julie.shumway@sgs.com

This report is approved by

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Tamara Burkamper

tamara.morgan@sgs.com

Senior Project Manager

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Results reported relate only to the items tested.



#### **SGS CERTIFICATIONS**

Alaska	17-012
Arkansas	18-042-0
California (ELAP)	ELAP Cert #2914
CLIA	34D1013708
Connecticut	PH-0258
USDA Soil Permit	P330-17-00055
American Association for Laboratory Accreditation (A2LA)	2726.01 (ISO 17025:2005, 2009 TNI, DoD ELAP QSM 5.1)
Florida DOH	E87634
Louisiana DEQ	4115
Louisiana DOH	LA031
Maine	2018018
Massachusetts	M-NC919
Minnesota (Primary NELAP For Method 23)	1535636
Mississippi	Reciprocity
Montana	0106
New Hampshire	208318 & 208518
New Jersey	NC100
New York	11685
North Carolina DEQ	481
North Dakota	R-197
Oregon	NC200002
Pennsylvania	68-03675
South Carolina	99029002
Texas	T104704260
US Coast Guard	16714/159.317/SGS
Vermont	VT-87634
Virginia	10101
Washington	C913
West Virginia	293
Dev. 00 Mer 2010	

Rev. 06-Mar-2019



#### **Laboratory Qualifiers**

#### **Report Definitions**

DL Method, Instrument, or Estimated Detection Limit per Analytical Method

CL Control Limits for the recovery result of a parameter

LOQ Reporting Limit
DF Dilution Factor

RPD Relative Percent Difference

LCS(D) Laboratory Control Spike (Duplicate)

MS(D) Matrix Spike (Duplicate)

MB Method Blank

#### **Qualifier Definitions**

\* Recovery or RPD outside of control limits

B Analyte was detected in the Lab Method Blank at a level above the LOQ

U Undetected (Reported as ND or < DL)

J Estimated Concentration.

E Amount detected is greater than the Upper Calibration Limit

TIC Tentatively Identified Compound

ND Not Detected

P RPD > 40% between results of dual columns

D Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration

range

Samples requiring manual integrations for various congeners and/or standards are marked and dated by the analyst. A code definition is provided below:

M1 Mis-identified peak

M2 Software did not integrate peak

M3 Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one)
M4 Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane)

M5 Other - Explained in case narrative

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.



Sample Summary												
Client Sample ID	Lab Sample ID	Collected	Received	<u>Matrix</u>								
1	31901570001	09/04/2019 09:30	09/10/2019 10:15	Drinking Water								



#### **Case Narrative**

#### LCS for HBN 147128 [HXX/2409]

Recovery of PFBS is marginally low at 65.7%. Associated samples were not re-prepped due to expired hold times.

#### 230200MS and 230200MSD

The reported concentration of PFBS and PFHxS is below criteria; precision criteria is met.

1

The reported percent recovery of labeled Surrogates13C2-PFHxA and d5-NEtFOSAA is below criteria.

09/26/2019: this SDG has been updated to include results for PFNA, PFHxS, PFHpA, PFBS



#### **Parameter Cross Reference**

#### **SURROGATE**

PARAMETERCASNOFULL NAME13C2-PFHxA13CPFHXA13C2-Perfluoro-n-hexanoic Acid13C2-PFDA13CPFDA13C2-PerFluorodecanoic Acid

d5-NEtFOSAA 1265205-97-7 d5-N-ethyl-perfluoro-1-octanesulfonamidoacetic

#### **REGULAR**

PARAMETER	<u>CASNO</u>	FULL NAME
PFHpA	375-85-9	Perfluoro-n-heptanoic Acid
PFOA	335-67-1	Perfluoro-n-octanoic Acid
PFNA	375-95-1	Perfluoro-n-nonanoic Acid
PFBS	375-73-5	Perfluorobutanesulfonoic Acid
PFHxS	355-46-4	Perfluorohexanesulfonic Acid
PFOS	1763-23-1	Perfluorooctanesulfonic Acid



#### Results of 1

Client Sample ID: 1
Client Project ID: 1195221
Lab Sample ID: 31901570001-A
Lab Project ID: 31901570

Collection Date: 09/04/2019 09:30 Received Date: 09/10/2019 10:15

Matrix: Drinking Water

Solids (%):

#### Results by EPA 537 v1.1

<u>Parameter</u>	<u>Result</u>	Qual	LOQ/CL	<u>Units</u>	<u>DF</u>	Date Analyzed
PFHpA	ND		2.13	ng/L	1	09/20/2019 0:43
PFOA	ND		2.13	ng/L	1	09/20/2019 0:43
PFNA	ND		2.13	ng/L	1	09/20/2019 0:43
PFBS	ND		2.13	ng/L	1	09/20/2019 0:43
PFHxS	ND		2.13	ng/L	1	09/20/2019 0:43
PFOS	ND		2.13	ng/L	1	09/20/2019 0:43
Surrogates						
13C2-PFHxA	68.8*		70.0-130	%	1	09/20/2019 0:43
13C2-PFDA	80.2		70.0-130	%	1	09/20/2019 0:43
d5-NEtFOSAA	66.0*		70.0-130	%	1	09/20/2019 0:43

#### **Batch Information**

Analytical Batch: XLC1390

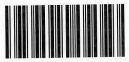
Analytical Method: EPA 537 v1.1

Instrument: TQS2
Analyst: FNS

Prep Batch: HXX2409

Prep Method: EPA 537 v1.1 Prep
Prep Date/Time: 09/11/2019 11:37
Prep Initial Wt./Vol.: 235 mL
Prep Extract Vol: 1 mL

# SGS North America Inc. CHAIN OF CUSTODY RECORD



#### Locations Nationwide

Alaska

Florida

New Jersey

Colorado

Texas Virginia North Carolina Louisiana

www.us.sgs.com

CLIENT:	SGS North Ame	rica Inc Alas	ka Division			Refere	Server	1	015	OF		GS			Page 1 of 1
CONTACT:	Julie Shumway	PHONE NO:	(907) 562	2-2343	Addi	tional (	Comm	ents	: All	soils	repo	rt out	in dry weigh	t unless	
PROJECT NAME:	1195221	PWSID#: NPDL#:			# C	Preserv- ative Used:	Tilina								
REPORTS TO	: Julie Shumway		Julie.Shumwa RefLabTeam@		O N T	C = COMP	PFOS								
INVOICE TO:	SGS - Alaska	QUOTE #: P.O. #:	1195		A I N	G = GRAB MI = Multi	PFOA								
RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HHMM	MATRIX/ MATRIX CODE	E R S	Incre- mental Soils	EPA 537				MS	MSD	SGS lab #		Location ID
	1	09/04/2019	09:30:00	DW	2	GRA	Х						1195221001		
										. \					
Relinquished	I By: (1)	Date	Time	Received	By:				Repo	Project ort to Deport as	L (J F	lags)?	NO NO	Data Delive	erable Requirements:
Relinquished	I By: (2)	Date	Time	Received	Ву:				Cool	er ID: eques	ted 1	Turna	round Time a	nd-or Spe	cial Instructions:
Relinquished By: (3)		Date	Time	Received	eceived By:				Tem	p Blan	k °C:	1.0°		Chain of	Custody Seal: (Circle)
Relinquished	By: (4)	Date 9/9/19	Time 1002	Received			y By:	D:15			or A	Ambier	nt []	INTACT	BROKEN ABSENT

[X 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

http://www.sgs.com/terms and conditions.htm

# SGS North America Inc.

## Sample Receipt Checklist (SRC)

Client:	SGS-NA-AK	_ Wor	k Order No.:	31901570
1.	x Shipped	Notes:	UPS Next Day Air	
10.0	Hand Delivered		1z A86 19W	01 6767 8178
_				
2.	x COC Present on Receipt			
	No COC			
	Additional Transmittal Forms			
3.	x Custody Tape on Container			
	No Custody Tape			
4.	x Samples Intact	-		
	Samples Broken / Leaking			
5.	x Chilled on Receipt Actual Temp.(s) in °C	: 1.0	The	ermometer ID#: IR4-Probe
0.	Ambient on Receipt			
	Walk-in on Ice; Coming down to temp.			
	x Temperature Blank Present			
	WV samples-proxy not allowed			
	WV samples-proxy not allowed			
6.	x Sufficient Sample Submitted			
	Insufficient Sample Submitted			
7.	Chlorine absent			
	—— HNO3 < 2			
	—HCL < 2			
	X Additional Preservatives verified (see notes)	Trizma		
8.	x Received Within Holding Time			
	Not Received Within Holding Time			
	N. Disassaraisa Natad			
9.	x No Discrepancies Noted			
	Discrepancies Noted	-		
	NCDENR notified of Discrepancies*			
40	No Headeness present in VOC vials	N/A		
10.	No Headspace present in VOC vials	14//		
	Headspace present in VOC vials >6mm			
Comments:				
				MO
	Ins	pected and	I Logged in by: <u>A</u> Date:	
			Date	3/10/2013