ARS Aleut Analytical, LLC
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8/5/2015

Kenai Watershed Forum
44129 Sterling Highway
Soldotna, AK 99669
Attn: Branden Bornemann

Work Order #: A1507364
Date: 8/5/2015
Work ID: KWF Baseline Monitoring 2015
Date Received: 7/21/2015
Proj #: none

Sample Identification

Lab Sample Number	Client Description	Lab Sample Number	Client Description
A1507364-01	RM 0-No Name Creek	A1507364-02	RM 0-No Name Creek Dup
A1507364-03	RM 1.5-Kenai City Dock	A1507364-04	Trip Blank

Enclosed are the analytical results for the submitted sample(s). Please review the CASE NARRATIVE for a discussion of any data and/or quality control issues. Listings of data qualifiers, analytical codes, key dates, and QC relationships are provided at the end of the report.

Sincerely,

Carissa Cumine
Project Manager

"The Science of Analysis, The Art of Service"

Case Narrative

ARS Aleut Analytical
Work Order: A1507364

Samples were prepared and analyzed according to EPA or equivalent methods outlined in the following references:

Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, EPA 600/4-82-057, July 1982.

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

Standard Methods for the Examination of Water and Wastewater, 21st Edition, 2005.

SAMPLE RECEIPT:
Seven (7) samples were received on 7/21/2015 6:05:00 PM at a temperature of 4.5°C at AAA - Anchorage. The samples were received in good condition and in order per chain of custody.

REVIEW FOR COMPLIANCE WITH ARS Aleut Analytical QA PLAN
A summary of our review is shown below.

All analytical results contained in this report have been reviewed under AAA's internal quality assurance and quality control program. Any deviations in quality control parameters for specific analyses are noted in the following text. A complete quality assurance report, including laboratory control, matrix spike, and sample duplicate recoveries, is kept on file in our office and is available upon request.

All method specifications were met for the following tests, unless otherwise noted:

Test Method: SM4500-NO3E - Nitrogen (Nitrate), Cadmium Reduction Method - Nitrate+Nitrite pres - Aqueous
Test Method: SM4500-PE - Total Phos HACH 8190 - Aqueous

The following were subcontracted tests and have been represented to us as meeting criteria:
Test Method: 200.8 - Metals by ICP/MS - 200.8 Metals - Aqueous
Test Method: 200.8 - Metals by ICP/MS - Dissolved 200.8 Metals - Aqueous
Test Method: 624 - Purgeable Organics by GC/MS - VOCs by GC/MS - Aqueous

Detailed Analytical Report

ARS Aleut Analytical

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

Report Section: Client Sample Report

Client Sample Name: **RM 0-No Name Creek**

Matrix: Aqueous Collection Date: 7/21/2015 10:15:00AM

The following test was conducted by: ARS Aleut Analytical,LLC

Lab Sample Number: A1507364-01A
Prep Date: 7/23/2015
Analytical Method ID: SM4500-NO3E - Nitrogen (Nitrate), Cadmium Reduction Method - N
Prep Method ID:
Prep Batch Number: A150724011
Report Basis: As Received
Sample prep wt./vol: 25.00 ml

Analysis Date: 7/23/2015 9:00:00AM
Instrument: Thermospectr
File Name:
Dilution Factor: 1
Analyst Initials: RT
Prep Extract Vol: 25.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Nitrate-Nitrite as Nitrogen		**ND**		mg/L	0.10	0.015	1

The following test was conducted by: SGS Environmental Services Inc.

Lab Sample Number: A1507364-01B
Prep Date: 7/23/2015
Analytical Method ID: 200.8 - Metals by ICP/MS - Dissolved 200.8 Metals
Prep Method ID:
Prep Batch Number: R1508030901-13
Report Basis: As Received
Sample prep wt./vol:

Analysis Date: 7/28/2015 6:54:00PM
Instrument:
File Name:
Dilution Factor: 1
Analyst Initials: EAB
Prep Extract Vol: ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Arsenic	7440-38-2	**ND**		ug/L	5.0	1.5	1
Cadmium	7440-43-9	**ND**		ug/L	0.50	0.15	
Chromium	7440-47-3	**ND**		ug/L	2.0	0.62	
Copper	7440-50-8	**1.1**		ug/L	1.0	0.31	
Lead	7439-92-1	**ND**		ug/L	0.20	0.062	
Zinc	7440-66-6	**76**		ug/L	5.0	2.5	

The following test was conducted by: SGS Environmental Services Inc.

Lab Sample Number: A1507364-01C
Prep Date: 7/23/2015
Analytical Method ID: 200.8 - Metals by ICP/MS - 200.8 Metals
Prep Method ID:
Prep Batch Number: R1508030901-12
Report Basis: As Received
Sample prep wt./vol:

Analysis Date: 7/28/2015 6:37:00PM
Instrument:
File Name:
Dilution Factor: 1
Analyst Initials: EAB
Prep Extract Vol: ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Calcium	7440-70-2	**13,000**		ug/L	500	150	1
Iron	7439-89-6	**3,100**		ug/L	250	78	
Magnesium	7439-96-4	**4,200**		ug/L	50	15	

The following test was conducted by: ARS Aleut Analytical,LLC

Detailed Analytical Report

ARS Aleut Analytical

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

Report Section: Client Sample Report

Client Sample Name: **RM 0-No Name Creek**

Matrix: Aqueous Collection Date: 7/21/2015 10:15:00AM

Lab Sample Number:	A1507364-01D	Analysis Date:	7/24/2015 5:00:00PM
Prep Date:	7/24/2015	Instrument:	Spectrophoto
Analytical Method ID:	SM4500-PE - Total Phos HACH 8190	File Name:	
Prep Method ID:	4500-PB	Dilution Factor:	1
Prep Batch Number:	F150727004		
Report Basis:	As Received	Analyst Initials:	EW
Sample prep wt./vol:	5.00 ml	Prep Extract Vol:	5.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Phosphorous, Total		**ND**		mg/L	0.10	0.025	1

Detailed Analytical Report

ARS Aleut Analytical

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

Report Section: Client Sample Report

Client Sample Name: **RM 0-No Name Creek Dup**

Matrix: Aqueous Collection Date: 7/21/2015 10:35:00AM

The following test was conducted by: ARS Aleut Analytical,LLC

Lab Sample Number: A1507364-02A
Prep Date: 7/23/2015
Analytical Method ID: SM4500-NO3E - Nitrogen (Nitrate), Cadmium Reduction Method - N
Prep Method ID:
Prep Batch Number: A150724011
Report Basis: As Received
Sample prep wt./vol: 25.00 ml

Analysis Date: 7/23/2015 9:00:00AM
Instrument: Thermospectr
File Name:
Dilution Factor: 1
Analyst Initials: RT
Prep Extract Vol: 25.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Nitrate-Nitrite as Nitrogen		**ND**		mg/L	0.10	0.015	1

The following test was conducted by: SGS Environmental Services Inc.

Lab Sample Number: A1507364-02B
Prep Date: 7/23/2015
Analytical Method ID: 200.8 - Metals by ICP/MS - Dissolved 200.8 Metals
Prep Method ID:
Prep Batch Number: R1508030901-13
Report Basis: As Received
Sample prep wt./vol:

Analysis Date: 7/28/2015 6:56:00PM
Instrument:
File Name:
Dilution Factor: 1
Analyst Initials: EAB
Prep Extract Vol: ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Arsenic	7440-38-2	**ND**		ug/L	5.0	1.5	1
Cadmium	7440-43-9	**ND**		ug/L	0.50	0.15	
Chromium	7440-47-3	**ND**		ug/L	2.0	0.62	
Copper	7440-50-8	**1.1**		ug/L	1.0	0.31	
Lead	7439-92-1	**ND**		ug/L	0.20	0.062	
Zinc	7440-66-6	**110**		ug/L	5.0	2.5	

The following test was conducted by: SGS Environmental Services Inc.

Lab Sample Number: A1507364-02C
Prep Date: 7/23/2015
Analytical Method ID: 200.8 - Metals by ICP/MS - 200.8 Metals
Prep Method ID:
Prep Batch Number: R1508030901-12
Report Basis: As Received
Sample prep wt./vol:

Analysis Date: 7/28/2015 6:44:00PM
Instrument:
File Name:
Dilution Factor: 1
Analyst Initials: EAB
Prep Extract Vol: ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Calcium	7440-70-2	**13,000**		ug/L	500	150	1
Iron	7439-89-6	**4,000**		ug/L	250	78	
Magnesium	7439-96-4	**4,300**		ug/L	50	15	

The following test was conducted by: ARS Aleut Analytical,LLC

Detailed Analytical Report

ARS Aleut Analytical

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

Report Section: Client Sample Report

Client Sample Name: **RM 0-No Name Creek Dup**

Matrix: Aqueous Collection Date: 7/21/2015 10:35:00AM

Lab Sample Number:	A1507364-02D	Analysis Date:	7/24/2015 5:00:00PM
Prep Date:	7/24/2015	Instrument:	Spectrophoto
Analytical Method ID:	SM4500-PE - Total Phos HACH 8190	File Name:	
Prep Method ID:	4500-PB	Dilution Factor:	1
Prep Batch Number:	F150727004		
Report Basis:	As Received	Analyst Initials:	EW
Sample prep wt./vol:	5.00 ml	Prep Extract Vol:	5.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Phosphorous, Total		**ND**		mg/L	0.10	0.025	1

Detailed Analytical Report

ARS Aleut Analytical

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

Report Section: Client Sample Report

Client Sample Name: **RM 1.5-Kenai City Dock**

Matrix: Aqueous Collection Date: 7/21/2015 9:40:00AM

The following test was conducted by: ARS Aleut Analytical,LLC

Lab Sample Number: A1507364-03A
Prep Date: 7/23/2015
Analytical Method ID: SM4500-NO3E - Nitrogen (Nitrate), Cadmium Reduction Method - N
Prep Method ID:
Prep Batch Number: A150724011
Report Basis: As Received
Sample prep wt./vol: 25.00 ml

Analysis Date: 7/23/2015 9:00:00AM
Instrument: Thermospectr
File Name:
Dilution Factor: 1
Analyst Initials: RT
Prep Extract Vol: 25.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Nitrate-Nitrite as Nitrogen		**0.163**		mg/L	0.10	0.015	1

The following test was conducted by: SGS Environmental Services Inc.

Lab Sample Number: A1507364-03E
Prep Date: 7/24/2015
Analytical Method ID: 624 - Purgeable Organics by GC/MS - VOCs by GC/MS
Prep Method ID:
Prep Batch Number: R1508030901-14
Report Basis: As Received
Sample prep wt./vol:

Analysis Date: 7/24/2015 8:28:00PM
Instrument:
File Name:
Dilution Factor: 1
Analyst Initials: NRB
Prep Extract Vol: ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Benzene	71-43-2	**ND**		ug/L	0.40	0.12	1
Ethylbenzene	100-41-4	**ND**		ug/L	1.0	0.31	
m&p Xylenes	108-38-3/106-	**ND**		ug/L	2.0	0.62	
O-Xylene	95-47-6	**ND**		ug/L	1.0	0.31	
Toluene	108-88-3	**ND**		ug/L	1.0	0.31	

Surrogate	CASNo	Result	Flags	Units	% Recov	LCL	UCL	run #:
1,2-Dichloroethane-d4	17060-07-0	**114**		%	**114**	81	118	1
p-Bromofluorobenzene	460-00-4	**101**		%	**101**	85	114	
Toluene D-8	108-88-3D	**99.9**		%	**99.9**	89	112	

The following test was conducted by: SGS Environmental Services Inc.

Lab Sample Number: A1507364-03B
Prep Date: 7/23/2015
Analytical Method ID: 200.8 - Metals by ICP/MS - Dissolved 200.8 Metals
Prep Method ID:
Prep Batch Number: R1508030901-13
Report Basis: As Received
Sample prep wt./vol:

Analysis Date: 7/28/2015 6:59:00PM
Instrument:
File Name:
Dilution Factor: 1
Analyst Initials: EAB
Prep Extract Vol: ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Arsenic	7440-38-2	**ND**		ug/L	5.0	1.5	1
Cadmium	7440-43-9	**ND**		ug/L	0.50	0.15	
Chromium	7440-47-3	**ND**		ug/L	2.0	0.62	

Detailed Analytical Report

ARS Aleut Analytical

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

Report Section: Client Sample Report

Client Sample Name: **RM 1.5-Kenai City Dock**

Matrix: Aqueous Collection Date: 7/21/2015 9:40:00AM

Lab Sample Number: A1507364-03B
Prep Date: 7/23/2015
Analytical Method ID: 200.8 - Metals by ICP/MS - Dissolved 200.8 Metals
Prep Method ID:
Prep Batch Number: R1508030901-13
Report Basis: As Received
Sample prep wt./vol:

Analysis Date: 7/28/2015 6:59:00PM
Instrument:
File Name:
Dilution Factor: 1
Analyst Initials: EAB
Prep Extract Vol: ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Copper	7440-50-8	**ND**		ug/L	1.0	0.31	1
Lead	7439-92-1	**ND**		ug/L	0.20	0.062	
Zinc	7440-66-6	**ND**		ug/L	5.0	2.5	

The following test was conducted by: SGS Environmental Services Inc.

Lab Sample Number: A1507364-03C
Prep Date: 7/23/2015
Analytical Method ID: 200.8 - Metals by ICP/MS - 200.8 Metals
Prep Method ID:
Prep Batch Number: R1508030901-12
Report Basis: As Received
Sample prep wt./vol:

Analysis Date: 7/28/2015 6:51:00PM
Instrument:
File Name:
Dilution Factor: 1
Analyst Initials: EAB
Prep Extract Vol: ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Calcium	7440-70-2	**23,000**		ug/L	500	150	1
Iron	7439-89-6	**1,500**		ug/L	250	78	
Magnesium	7439-96-4	**44,000**		ug/L	50	15	

The following test was conducted by: ARS Aleut Analytical,LLC

Lab Sample Number: A1507364-03D
Prep Date: 7/24/2015
Analytical Method ID: SM4500-PE - Total Phos HACH 8190
Prep Method ID: 4500-PB
Prep Batch Number: F150727004
Report Basis: As Received
Sample prep wt./vol: 5.00 ml

Analysis Date: 7/24/2015 5:00:00PM
Instrument: Spectrophoto
File Name:
Dilution Factor: 1
Analyst Initials: EW
Prep Extract Vol: 5.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Phosphorous, Total		**ND**		mg/L	0.10	0.025	1

Detailed Analytical Report

ARS Aleut Analytical

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

Report Section: Client Sample Report

Client Sample Name: **Trip Blank**

Matrix: Aqueous

Collection Date: 7/21/2015 9:40:00AM

The following test was conducted by: SGS Environmental Services Inc.

Lab Sample Number: A1507364-04A

Prep Date: 7/24/2015

Analytical Method ID: 624 - Purgeable Organics by GC/MS - VOCs by GC/MS

Prep Method ID:

Prep Batch Number: R1508030901-14

Report Basis: As Received

Sample prep wt./vol:

Analysis Date: 7/24/2015 4:35:00PM

Instrument:

File Name:

Dilution Factor: 1

Analyst Initials: NRB

Prep Extract Vol: ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
1,1,1-Trichloroethane	71-55-6	**ND**		ug/L	1.0	0.31	1
1,1,2,2-Tetrachloroethane	79-34-5	**ND**		ug/L	0.50	0.15	
1,1,2-Trichloroethane	79-00-5	**ND**		ug/L	1.0	0.31	
1,1-Dichloroethane	75-34-3	**ND**		ug/L	1.0	0.31	
1,1-Dichloroethene	75-35-4	**ND**		ug/L	1.0	0.31	
1,2-Dichlorobenzene	95-50-1	**ND**		ug/L	1.0	0.31	
1,2-Dichloroethane	107-06-2	**ND**		ug/L	0.50	0.15	
1,2-Dichloropropane	78-87-5	**ND**		ug/L	1.0	0.31	
1,3-Dichlorobenzene	541-73-1	**ND**		ug/L	1.0	0.31	
1,4-Dichlorobenzene	106-46-7	**ND**		ug/L	0.50	0.15	
Benzene	71-43-2	**ND**		ug/L	0.40	0.12	
Bromodichloromethane	75-27-4	**ND**		ug/L	0.50	0.15	
Bromoform	75-25-2	**ND**		ug/L	1.0	0.31	
Bromomethane	74-83-9	**ND**		ug/L	10	3.1	
Carbon Tetrachloride	56-23-5	**ND**		ug/L	1.0	0.31	
Chlorobenzene	108-90-7	**ND**		ug/L	0.50	0.15	
Chloroethane	75-00-3	**ND**		ug/L	1.0	0.31	
Chloroform	67-66-3	**ND**		ug/L	1.0	0.30	
Chloromethane	74-87-3	**ND**		ug/L	1.0	0.31	
Cis-1,2-Dichloroethene	156-59-2	**ND**		ug/L	1.0	0.31	
Cis-1,3-Dichloropropene	10061-015	**ND**		ug/L	0.50	0.15	
Dibromochloromethane	124-48-1	**ND**		ug/L	0.50	0.15	
Ethylbenzene	100-41-4	**ND**		ug/L	1.0	0.31	
m&p Xylenes	108-38-3/106-	**ND**		ug/L	2.0	0.62	
Methylene Chloride	75-09-2	**ND**		ug/L	5.0	1.0	
O-Xylene	95-47-6	**ND**		ug/L	1.0	0.31	
Styrene	100-42-5	**ND**		ug/L	1.0	0.31	
Tetrachloroethene	127-18-4	**ND**		ug/L	1.0	0.31	
Toluene	108-88-3	**ND**		ug/L	1.0	0.31	
trans-1,2-Dichloroethene	156-60-5	**ND**		ug/L	1.0	0.31	
trans-1,3-Dichloropropene	10061-026	**ND**		ug/L	1.0	0.31	
Trichloroethene	79-01-6	**ND**		ug/L	1.0	0.31	

Detailed Analytical Report

ARS Aleut Analytical

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

Report Section: Client Sample Report

Client Sample Name: **Trip Blank**

Matrix: Aqueous Collection Date: 7/21/2015 9:40:00AM

Lab Sample Number: A1507364-04A Analysis Date: 7/24/2015 4:35:00PM

Prep Date: 7/24/2015 Instrument:

Analytical Method ID: 624 - Purgeable Organics by GC/MS - VOCs by GC/MS File Name:

Prep Method ID: Dilution Factor: 1

Prep Batch Number: R1508030901-14

Report Basis: As Received Analyst Initials: NRB

Sample prep wt./vol: Prep Extract Vol: ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Trichlorofluoromethane	75-69-4	**ND**		ug/L	1.0	0.31	1
Vinyl Chloride	75-01-4	**ND**		ug/L	1.0	0.31	

Surrogate	CASNo	Result	Flags	Units	% Recov	LCL	UCL	run #:
1,2-Dichloroethane-d4	17060-07-0	**114**		%	**114**	81	118	1
p-Bromofluorobenzene	460-00-4	**99.3**		%	**99.3**	85	114	
Toluene D-8	108-88-3D	**97.5**		%	**97.5**	89	112	

Detailed Analytical Report

ARS Aleut Analytical

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

Report Section: Method Blank Report

Client Sample Name: **MB**

Matrix: Aqueous Collection Date: 7/23/2015 9:00:00AM

The following test was conducted by: ARS Aleut Analytical,LLC

Lab Sample Number: A150724011-MB Analysis Date: 7/23/2015 9:00:00AM
Prep Date: 7/23/2015 Instrument: Thermospectr
Analytical Method ID: SM4500-NO3E - Nitrogen (Nitrate), Cadmium Reduction Method - N File Name:
Prep Method ID: Dilution Factor: 1
Prep Batch Number: A150724011
Report Basis: As Received Analyst Initials: RT
Sample prep wt./vol: 25.00 ml Prep Extract Vol: 25.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Nitrate-Nitrite as Nitrogen		**ND**		mg/L	0.10	0.015	1

The following test was conducted by: SGS Environmental Services Inc.

Lab Sample Number: 1279356 Analysis Date: 7/24/2015 12:46:00PM
Prep Date: 7/24/2015 Instrument:
Analytical Method ID: 624 - Purgeable Organics by GC/MS - VOCs by GC/MS File Name:
Prep Method ID: Dilution Factor: 1
Prep Batch Number: R1508030901-14
Report Basis: As Received Analyst Initials: NRB
Sample prep wt./vol: Prep Extract Vol: ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
1,1,1-Trichloroethane	71-55-6	**ND**		ug/L	1.0	0.31	2
1,1,2,2-Tetrachloroethane	79-34-5	**ND**		ug/L	0.50	0.15	
1,1,2-Trichloroethane	79-00-5	**ND**		ug/L	1.0	0.31	
1,1-Dichloroethane	75-34-3	**ND**		ug/L	1.0	0.31	
1,1-Dichloroethene	75-35-4	**ND**		ug/L	1.0	0.31	
1,2-Dichlorobenzene	95-50-1	**ND**		ug/L	1.0	0.31	
1,2-Dichloroethane	107-06-2	**ND**		ug/L	0.50	0.15	
1,2-Dichloropropane	78-87-5	**ND**		ug/L	1.0	0.31	
1,3-Dichlorobenzene	541-73-1	**ND**		ug/L	1.0	0.31	
1,4-Dichlorobenzene	106-46-7	**ND**		ug/L	0.50	0.15	
Benzene	71-43-2	**ND**		ug/L	0.40	0.12	
Bromodichloromethane	75-27-4	**ND**		ug/L	0.50	0.15	
Bromoform	75-25-2	**ND**		ug/L	1.0	0.31	
Bromomethane	74-83-9	**ND**		ug/L	10	3.1	
Carbon Tetrachloride	56-23-5	**ND**		ug/L	1.0	0.31	
Chlorobenzene	108-90-7	**ND**		ug/L	0.50	0.15	
Chloroethane	75-00-3	**ND**		ug/L	1.0	0.31	
Chloroform	67-66-3	**ND**		ug/L	1.0	0.30	
Chloromethane	74-87-3	**ND**		ug/L	1.0	0.31	
Cis-1,2-Dichloroethene	156-59-2	**ND**		ug/L	1.0	0.31	
Cis-1,3-Dichloropropene	10061-015	**ND**		ug/L	0.50	0.15	

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

Report Section: Method Blank Report

Client Sample Name: **MB for HBN 1714880 [VXX/27623]**

Matrix: Collection Date: 7/24/2015 12:46:00PM

Lab Sample Number: 1279356 Analysis Date: 7/24/2015 12:46:00PM
Prep Date: 7/24/2015 Instrument:
Analytical Method ID: 624 - Purgeable Organics by GC/MS - VOCs by GC/MS File Name:
Prep Method ID: Dilution Factor: 1
Prep Batch Number: R1508030901-14
Report Basis: As Received Analyst Initials: NRB
Sample prep wt./vol: Prep Extract Vol: ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Dibromochloromethane	124-48-1	**ND**		ug/L	0.50	0.15	2
Ethylbenzene	100-41-4	**ND**		ug/L	1.0	0.31	
m&p Xylenes	108-38-3/106-	**ND**		ug/L	2.0	0.62	
Methylene Chloride	75-09-2	**ND**		ug/L	5.0	1.0	
O-Xylene	95-47-6	**ND**		ug/L	1.0	0.31	
Styrene	100-42-5	**ND**		ug/L	1.0	0.31	
Tetrachloroethene	127-18-4	**ND**		ug/L	1.0	0.31	
Toluene	108-88-3	**ND**		ug/L	1.0	0.31	
trans-1,2-Dichloroethene	156-60-5	**ND**		ug/L	1.0	0.31	
trans-1,3-Dichloropropene	10061-026	**ND**		ug/L	1.0	0.31	
Trichloroethene	79-01-6	**ND**		ug/L	1.0	0.31	
Trichlorofluoromethane	75-69-4	**ND**		ug/L	1.0	0.31	
Vinyl Chloride	75-01-4	**ND**		ug/L	1.0	0.31	

Surrogate	CASNo	Result	Flags	Units	% Recov	LCL	UCL	run #:
1,2-Dichloroethane-d4	17060-07-0	**112**		%	**112**	81	118	2
p-Bromofluorobenzene	460-00-4	**99.0**		%	**99.0**	85	114	
Toluene D-8	108-88-3D	**98.1**		%	**98.1**	89	112	

The following test was conducted by: SGS Environmental Services Inc.

Lab Sample Number: 1278625 Analysis Date: 7/28/2015 6:04:00PM
Prep Date: 7/23/2015 Instrument:
Analytical Method ID: 200.8 - Metals by ICP/MS - 200.8 Metals File Name:
Prep Method ID: Dilution Factor: 1
Prep Batch Number: R1508030901-12
Report Basis: As Received Analyst Initials: EAB
Sample prep wt./vol: Prep Extract Vol: ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Calcium	7440-70-2	**ND**		ug/L	500	150	1
Iron	7439-89-6	**ND**		ug/L	250	78	
Magnesium	7439-96-4	**ND**		ug/L	50	15	

The following test was conducted by: ARS Aleut Analytical,LLC

Detailed Analytical Report

ARS Aleut Analytical

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

Report Section: Method Blank Report

Client Sample Name: **MB**

Matrix: Aqueous

Collection Date: 7/24/2015 5:00:00PM

Lab Sample Number: F150727004-MB

Prep Date: 7/24/2015

Analytical Method ID: SM4500-PE - Total Phos HACH 8190

Prep Method ID: 4500-PB

Prep Batch Number: F150727004

Report Basis: As Received

Sample prep wt./vol: 5.00 ml

Analysis Date: 7/24/2015 5:00:00PM

Instrument: Spectrophoto

File Name:

Dilution Factor: 1

Analyst Initials: EW

Prep Extract Vol: 5.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Phosphorous, Total		**ND**		mg/L	0.10	0.025	1

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

Tests Run at: Analytica Environmental Laboratories - Anchorage, Alaska

Workorder (SDG): A1507364

Project: KWF Baseline Monitoring 2015

Project Number:

QUALITY CONTROL REPORT

Prep Batch: **A150724011**

LCS REPORT

Analysis: SM4500-NO3E - Nitrogen (Nitrate), Cadmium Reduction Method - MB: A150724011-MB

Prep Date: 7/23/2015

MB Anal. Date: 7/23/2015 9:00:00AM Units: mg/L

LCS Anal. Date: 7/23/2015 9:00:00AM Matrix: Aqueous

Analyte Name	SampResult	LCSRes.	SPLev	Recov.	Recov Lim	RPDLim	Flag
Nitrate-Nitrite as Nitrogen	ND	0.414	0.406	102	90 - 110		

FOOTNOTES TO QC REPORT

Note 1: Results are shown to three significant figures to avoid rounding errors in calculations.

Note 2: If the sample concentration is greater than 4 times the spike level, a recovery is not meaningful, and the result should be used as a replicate. In such cases the spike is not as high as expected random measurement variability of the sample result itself.

Note 3: For sample duplicates, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample and duplicate results are not five times the PQL or greater, then the RPD is not expected to fall within the window shown and the comparison should be made on the basis of the absolute difference. Analytica uses the criterion that the absolute difference should be less than the PQL for water or less than 2XPQL for other matrices.

Note 4: For serial dilutions, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample result is not 50 times the MDL or greater, then the fact that the RPD does not meet the 10% criterion has little signifcance. Otherwise it indicates that a matrix bias may exist at the analytical step.

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

Tests Run at: SGS Environmental Services Inc.
Workorder (SDG): A1507364
Project: KWF Baseline Monitoring 2015
Project Number:

QUALITY CONTROL REPORT

Prep Batch: **R1508030901-12**

LCS REPORT

Analysis: 200.8 - Metals by ICP/MS - 200.8 Metals
MB: 1278625
Prep Date: 7/23/2015
MB Anal. Date: 7/28/2015 6:04:00PM
Units: ug/L
LCS Anal. Date: 7/28/2015 6:06:00PM
Matrix:

Analyte Name	SampResult	LCSRes.	SPLev	Recov.	Recov Lim	RPDLim	Flag
Calcium	ND	10,800	10,000	108	85 - 115		
Iron	ND	5,530	5,000	111	85 - 115		
Magnesium	ND	10,900	10,000	109	85 - 115		

Prep Batch: **R1508030901-14**

LCS/LCSD REPORT

Analysis: 624 - Purgeable Organics by GC/MS - VOCs by GC/MS
MB: 1279356
Prep Date: 7/24/2015
MB Anal. Date: 7/24/2015 12:46:00PM
Units: ug/L
LCS Anal. Date: 7/24/2015 2:07:00PM LCSD Anal. Date: 7/24/2015 2:52:00PM Matrix:

Analyte Name	SampResult	LCSRes.	SDRes.	SPLev	SPDLev	Recov.	SD Recov	RPD	Recov Lim	RPDLim	Flag
1,1,1-Trichloroethane	ND	32.5	33.7	30.0	30.0	108	112	3.5	74 - 131	20.00	
1,1,2,2-Tetrachloroethane	ND	32.6	31.6	30.0	30.0	109	105	3.1	71 - 121	20.00	
1,1,2-Trichloroethane	ND	33.1	31.4	30.0	30.0	110	105	5.3	80 - 119	20.00	
1,1-Dichloroethane	ND	32.1	33.2	30.0	30.0	107	111	3.3	77 - 125	20.00	
1,1-Dichloroethene	ND	32.8	34.3	30.0	30.0	109	114	4.4	71 - 131	20.00	
1,2-Dichlorobenzene	ND	30.8	30.4	30.0	30.0	103	101	1.3	80 - 119	20.00	
1,2-Dichloroethane	ND	35.0	35.6	30.0	30.0	117	119	1.7	73 - 128	20.00	
1,2-Dichloropropane	ND	31.6	31.4	30.0	30.0	105	105	0.73	78 - 122	20.00	
1,3-Dichlorobenzene	ND	30.5	29.9	30.0	30.0	102	99.8	1.7	80 - 119	20.00	
1,4-Dichlorobenzene	ND	30.5	30.4	30.0	30.0	102	101	0.43	79 - 118	20.00	
Benzene	ND	30.8	31.0	30.0	30.0	103	103	0.74	79 - 120	20.00	
Bromodichloromethane	ND	32.4	32.8	30.0	30.0	108	109	1.2	79 - 125	20.00	
Bromoform	ND	32.7	30.2	30.0	30.0	109	101	8	66 - 130	20.00	
Bromomethane	ND	27.8	31.0	30.0	30.0	92.7	103	10.8	53 - 141	20.00	
Carbon Tetrachloride	ND	32.4	33.3	30.0	30.0	108	111	2.8	72 - 136	20.00	
Chlorobenzene	ND	30.1	30.2	30.0	30.0	100	101	0.33	82 - 118	20.00	
Chloroethane	ND	38.0	40.6	30.0	30.0	127	135	6.6	60 - 138	20.00	

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

Tests Run at: SGS Environmental Services Inc.

Workorder (SDG): A1507364

Project: KWF Baseline Monitoring 2015

Project Number:

QUALITY CONTROL REPORT

Prep Batch: **R1508030901-14**

LCS/LCSD REPORT

Analysis: 624 - Purgeable Organics by GC/MS - VOCs by GC/MS MB: 1279356

Prep Date: 7/24/2015

MB Anal. Date: 7/24/2015 12:46:00PM Units: ug/L

LCS Anal. Date: 7/24/2015 2:07:00PM LCSD Anal. Date: 7/24/2015 2:52:00PM Matrix:

Analyte Name	SampResult	LCSRes.	SDRes.	SPLev	SPDLev	Recov.	SD Recov	RPD	Recov Lim	RPDLim	Flag
Chloroform	ND	32.5	33.5	30.0	30.0	108	112	3	79 - 124	20.00	
Chloromethane	ND	24.8	27.3	30.0	30.0	82.8	91.0	9.5	50 - 139	20.00	
Cis-1,2-Dichloroethene	ND	29.3	30.4	30.0	30.0	97.8	101	3.6	78 - 123	20.00	
Cis-1,3-Dichloropropene	ND	30.8	30.3	30.0	30.0	103	101	1.5	75 - 124	20.00	
Dibromochloromethane	ND	32.4	30.9	30.0	30.0	108	103	4.7	74 - 126	20.00	
Ethylbenzene	ND	30.4	30.7	30.0	30.0	101	102	1	79 - 121	20.00	
m&p Xylenes	ND	63.3	63.6	60.0	60.0	106	106	0.52	80 - 121	20.00	
Methylene Chloride	ND	27.3	28.5	30.0	30.0	91.1	95.0	4.2	74 - 124	20.00	
O-Xylene	ND	31.4	31.1	30.0	30.0	105	104	0.77	78 - 122	20.00	
Styrene	ND	32.2	31.7	30.0	30.0	107	106	1.4	78 - 123	20.00	
Tetrachloroethene	ND	31.4	29.5	30.0	30.0	105	98.4	6.3	74 - 129	20.00	
Toluene	ND	30.5	29.6	30.0	30.0	102	98.8	2.8	80 - 121	20.00	
trans-1,2-Dichloroethene	ND	30.0	31.0	30.0	30.0	100	103	3.3	75 - 124	20.00	
trans-1,3-Dichloropropene	ND	33.5	32.1	30.0	30.0	112	107	4.2	73 - 127	20.00	
Trichloroethene	ND	31.1	31.3	30.0	30.0	104	104	0.54	79 - 123	20.00	
Trichlorofluoromethane	ND	35.8	38.0	30.0	30.0	119	127	5.9	65 - 141	20.00	
Vinyl Chloride	ND	29.4	31.3	30.0	30.0	97.9	104	6.3	58 - 137	20.00	

FOOTNOTES TO QC REPORT

Note 1: Results are shown to three significant figures to avoid rounding errors in calculations.

Note 2: If the sample concentration is greater than 4 times the spike level, a recovery is not meaningful, and the result should be used as a replicate. In such cases the spike is not as high as expected random measurement variability of the sample result itself.

Note 3: For sample duplicates, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample and duplicate results are not five times the PQL or greater, then the RPD is not expected to fall within the window shown and the comparison should be made on the basis of the absolute difference. Analytica uses the criterion that the absolute difference should be less than the PQL for water or less than 2XPQL for other matrices.

Note 4: For serial dilutions, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample result is not 50 times the MDL or greater, then the fact that the RPD does not meet the 10% criterion has little signifcance. Otherwise it indicates that a matrix bias may exist at the analytical step.

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

Tests Run at:

Workorder (SDG): A1507364

Project: KWF Baseline Monitoring 2015

Project Number:

QUALITY CONTROL REPORT

Prep Batch: **F150727004**

LCS REPORT

Analysis:	SM4500-PE - Total Phos HACH 8190	MB:	F150727004-MB
		Prep Date:	7/24/2015
MB Anal. Date:	7/24/2015 5:00:00PM	Units:	mg/L
LCS Anal. Date:	7/24/2015 5:00:00PM	Matrix:	Aqueous

Analyte Name	SampResult	LCSRes.	SPLev	Recov.	Recov Lim	RPDLim	Flag
Phosphorous, Total	ND	0.333	0.333	100	90 - 110		

FOOTNOTES TO QC REPORT

Note 1: Results are shown to three significant figures to avoid rounding errors in calculations.

Note 2: If the sample concentration is greater than 4 times the spike level, a recovery is not meaningful, and the result should be used as a replicate. In such cases the spike is not as high as expected random measurement variability of the sample result itself.

Note 3: For sample duplicates, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample and duplicate results are not five times the PQL or greater, then the RPD is not expected to fall within the window shown and the comparison should be made on the basis of the absolute difference. Analytica uses the criterion that the absolute difference should be less than the PQL for water or less than 2XPQL for other matrices.

Note 4: For serial dilutions, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample result is not 50 times the MDL or greater, then the fact that the RPD does not meet the 10% criterion has little signifcance. Otherwise it indicates that a matrix bias may exist at the analytical step.

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

SURROGATE RECOVERY SUMMARY REPORT

Test Method: **624 - Purgeable Organics by GC/MS - VOCs by GC/MS**

Lab Sample #: A1507364-04A Dilution: 1
Analysis Date: 7/24/2015 4:35:00PM Client Sample: **Trip Blank**
Batch Number: R1508030901-14 Data File:

AnalyteName	SSRecov	LCL	UCL	SSFlag	Result Status
1,2-Dichloroethane-d4	114	81	118		Complete
p-Bromofluorobenzene	99	85	114		Complete
Toluene D-8	98	89	112		Complete

Lab Sample #: A1507364-03E Dilution: 1
Analysis Date: 7/24/2015 8:28:00PM Client Sample: **RM 1.5-Kenai City Dock**
Batch Number: R1508030901-14 Data File:

AnalyteName	SSRecov	LCL	UCL	SSFlag	Result Status
1,2-Dichloroethane-d4	114	81	118		Complete
p-Bromofluorobenzene	101	85	114		Complete
Toluene D-8	100	89	112		Complete

Lab Sample #: 1279356 Dilution: 1
Analysis Date: 7/24/2015 12:46:00PM Client Sample: **MB for HBN 1714880 [VXX/27623]**
Batch Number: R1508030901-14 Data File:

AnalyteName	SSRecov	LCL	UCL	SSFlag	Result Status
1,2-Dichloroethane-d4	112	81	118		Complete
p-Bromofluorobenzene	99	85	114		Complete
Toluene D-8	98	89	112		Complete

Lab Sample #: 1279357 Dilution: 1
Analysis Date: 7/24/2015 2:07:00PM Client Sample: **LCS for HBN 1714880 [VXX/27623**
Batch Number: R1508030901-14 Data File:

AnalyteName	SSRecov	LCL	UCL	SSFlag	Result Status
1,2-Dichloroethane-d4	108	81	118		Complete
p-Bromofluorobenzene	102	85	114		Complete
Toluene D-8	99	89	112		Complete

Lab Sample #: 1279358 Dilution: 1
Analysis Date: 7/24/2015 2:52:00PM Client Sample: **LCSD for HBN 1714880 [VXX/2762**
Batch Number: R1508030901-14 Data File:

AnalyteName	SSRecov	LCL	UCL	SSFlag	Result Status
1,2-Dichloroethane-d4	111	81	118		Complete
p-Bromofluorobenzene	102	85	114		Complete
Toluene D-8	96	89	112		Complete

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: **172,467** **Lab Project Number:** **A1507364**

Prep Date: 7/23/2015

Lab Method Blank Id: A150724011-MB
Prep Batch ID: A150724011
Method: SM4500-NO3E - Nitrogen (Nitrate), Cadmium Reduction Method -

This Method blank and sample preparation batch are associated with the following samples, spikes, and duplicates:

SampleNum	ClientSampleName	DataFile	AnalysisDate
A1507357-01E	Batch QC		7/23/2015 9:00:00AM
A1507364-01A	RM 0-No Name Creek		7/23/2015 9:00:00AM
A1507364-02A	RM 0-No Name Creek Dup		7/23/2015 9:00:00AM
A1507364-03A	RM 1.5-Kenai City Dock		7/23/2015 9:00:00AM
A150724011-LCS	LCS		7/23/2015 9:00:00AM
A1507357-01E-DUP	DUP		7/23/2015 9:00:00AM
A1507357-01E-MS	MS		7/23/2015 9:00:00AM

Prep Date: 7/24/2015

Lab Method Blank Id: F150727004-MB
Prep Batch ID: F150727004
Method: SM4500-PE - Total Phos HACH 8190

This Method blank and sample preparation batch are associated with the following samples, spikes, and duplicates:

SampleNum	ClientSampleName	DataFile	AnalysisDate
A1507329-01E	Batch QC		7/24/2015 5:00:00PM
A1507364-01D	RM 0-No Name Creek		7/24/2015 5:00:00PM
A1507364-02D	RM 0-No Name Creek Dup		7/24/2015 5:00:00PM
A1507364-03D	RM 1.5-Kenai City Dock		7/24/2015 5:00:00PM
F150727004-LCS	LCS		7/24/2015 5:00:00PM
A1507329-01E-DUP	DUP		7/24/2015 5:00:00PM
A1507329-01E-MS	MS		7/24/2015 5:00:00PM
A1507329-01E-MSD	MSD		7/24/2015 5:00:00PM

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: **172,467** **Lab Project Number:** **A1507364**

Prep Date: 7/23/2015

Lab Method Blank Id: 1278625
Prep Batch ID: R1508030901-12
Method: 200.8 - Metals by ICP/MS - 200.8 Metals

This Method blank and sample preparation batch are associated with the following samples, spikes, and duplicates:

SampleNum	ClientSampleName	DataFile	AnalysisDate
A1507364-01C	RM 0-No Name Creek		7/28/2015 6:37:00PM
A1507364-02C	RM 0-No Name Creek Dup		7/28/2015 6:44:00PM
A1507364-03C	RM 1.5-Kenai City Dock		7/28/2015 6:51:00PM
1278626	LCS for HBN 1714404 [MXX/28910		7/28/2015 6:06:00PM
1278638	1278758 MS FOR [MXX28910]		7/28/2015 6:11:00PM
1278639	1278759 MS FOR [MXX28910]		7/28/2015 6:42:00PM

Prep Date: 7/24/2015

Lab Method Blank Id: 1279356
Prep Batch ID: R1508030901-14
Method: 624 - Purgeable Organics by GC/MS - VOCs by GC/MS

This Method blank and sample preparation batch are associated with the following samples, spikes, and duplicates:

SampleNum	ClientSampleName	DataFile	AnalysisDate
A1507364-03E	RM 1.5-Kenai City Dock		7/24/2015 8:28:00PM
A1507364-04A	Trip Blank		7/24/2015 4:35:00PM
1279357	LCS for HBN 1714880 [VXX/27623		7/24/2015 2:07:00PM
1279358	LCSD for HBN 1714880 [VXX/2762		7/24/2015 2:52:00PM

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

DATA FLAGS AND DEFINITIONS

The PQL is the Method Quantitation Limit as defined by USACE.
Reporting Limit: Limit below which results are shown as "ND". This may be the PQL, MDL, or a value between. See the report conventions below.

Result Field:

ND = Not Detected at or above the Reporting Limit
NA = Analyte not applicable (see Case Narrative for discussion)

Qualifier Fields:

LOW = Recovery is below Lower Control Limit
HIGH = Recovery , RPD, or other parameter is above Upper Control Limit
E = Reported concentration is above the instrument calibration upper range

Organic Analysis Flags:

B = Analyte was detected in the laboratory method blank
J = Analyte was detected above MDL or Reporting Limit but below the Quant Limit (PQL)

Inorganic Analysis Flags:

J = Analyte was detected above the Reporting Limit but below the Quant Limit (PQL)
W = Post digestion spike did not meet criteria
S = Reported value determined by the Method of Standard Additions (MSA)

Several ways of defining the limit of detection and quantitation are prevalent in the laboratory industry and may appear in Analytica reports. These include the following:

MRL = "minimum reporting level", from the EPA Safe Drinking Water program (SDW)
PQL = "practical quantitation limit", from SW-846
EQL = "estimated quantitation limit", from SW-846
LOQ = "limit of quantitation", from a number of authoritative sources

In Analytica's work, all of these terms have the same meaning, equivalent to the EPA definition of the MRL. This reporting level is supported by a satisfactory calibration data point which is at that level or lower, and also is supported by a method detection limit (MDL) determined by the procedure in 40CFR. The MDL is lower than the MRL and represents an estimate of the level where positive detections have a 99% probability of being real, but where quantitation accuracy is unknown.

The MRL as defined by Analytica is the lowest demonstrated point of known quantitation accuracy.
The MRL should not be confused with the MCL, which is the EPA-defined "maximum contaminant level" allowed for certain regulated targets under specific regulations, such as the National Primary Drinking Water Regulations. Normally, the MRL is set at a level which is much lower than the MCL in order to ensure that levels are well below those limits. Not all target analytes have MCL levels established.

Other Flags may be applied. See Case Narrative for Description

Workorder (SDG): A1507364

Project: **KWF Baseline Monitoring 2015**

Client: **Kenai Watershed Forum**

Client Project Number: **none**

REPORTING CONVENTIONS FOR THIS REPORT

A1507364

TestPkgName	Basis	# Sig Figs	Reporting Limit
200.8 (Aqueous) - 200.8 Metals	As Received	2	Report to PQL
200.8 (Aqueous) - Dissolved 200.8 Metals	As Received	2	Report to PQL
4500-NO3E (Aqueous) - Nitrate+Nitrite pres	As Received	3	Report to PQL
4500-PE/4500-PB (Aqueous) - Total Phos HACH 8190	As Received	2	Report to PQL
624 (Aqueous) - VOCs by GC/MS	As Received	3	Report to PQL

AAA Chain of Custody Form

ARS Aleut Analytical
4307 Arctic Blvd. Anchorage, AK 99503 (907) 258-2155 (907) 258-6634 fax
1325 W. 121st Avenue Westminster, CO 80234 303.469.8868 719.213.2478 fax
475 Hall Street Fairbanks, AK 99701 (907) 456-3116 (907) 456-3125 fax
701 W. Parks Hwy. #203 Wasilla, AK 99654 (907) 373-5440 (907) 258-6634 fax

Chain of Custody No:

Client Name & Address:
Kenai Watershed Forum
44129 Sterling Hwy
Soldotna, AK 99669

Contact Person: Branden Bornemann
Phone No: 907-260-5449 c:953.2605
Fax No: (907) 260-5412
E-mail: branden@kenaiwatershed.org

TEAM ID: Kenai Peninsula Borough
Project Name: Kenai River Baseline Project - July 2015

Turnaround Time for Results (TAT)
___ Standard ___ Expedited (< 10 days, prior authorization required) *(please specify due date below; add'l charges may apply)*
Results Due Date:

Special Instructions/Comments:
PH<2

Section To be Completed by AAA
Quote ID No: A15040012
LGN: A1507364
Account #: Cash: Credit Card:
Invoice to Name & Address:
P.O. or Contract

Requested Analysis/Method

Lab Bottle Order No: / Client Sample Identification / Location	Date Sampled	Time Sampled	Matrix (S-DW-WW-Other)	No. of Containers	Nitrate SM4500-NO3E Lot #: Pres: H2SO4	200.8 Metals by ICP-Total TR Lot #: Pres: HNO3	200.8 Dissolved Metals Lot #: Pres: HNO3	Total Phos SM4500 Lot #: Pres: H2SO4	BTEX Lot #: Pres: HCl	Lot #: Pres:	Lot #: Pres:	Field Preserved	Field Filtered	MS/MSD ?
RM 0 ----No Name Creek	7/21/15	10:15A	Aq	4	X	X	X	X						
RM 0 ----No Name Creek Duplicate	7/21/15	10:35	Aq	4	X	X	X	X						
RM 1.5 -Kenai City Dock	7/21/15	9:40A	Aq	8	X	X	X	X	X					
Trip Blank	7/21/15	—	Aq	2	X				X					

Collected/Relinquished by:	Date	Time	Received by:	Date	Time
	7/21/15	1:02		7/21/15	1:20P
Relinquished by:	Date	Time	Received by:	Date	Time
	7/21/15	1:25P		7/21/15	1805
Relinquished by:	Date	Time	Received by:	Date	Time

Name of Sampler: (printed) Harmony J. Curtis

To be Completed by AAA

	WES	ANC	WAS	FBKS
Chain-of-Custody Seal?:		—		
Initialed By:		—		
Temp/Loc:		4.5		
Thermo ID#:		60109		
Shipping Via:		Employee		