



Analytica Group, LLC-Anchorage  
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5/14/2014

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

Work Order #: A1404512  
Date: 5/14/2014  
Work ID: KWF Baseline Monitoring 2014  
Date Received: 4/29/2014  
Proj #: None

#### Sample Identification

Lab Sample Number	Client Description	Lab Sample Number	Client Description
A1404512-01	RM 19 - Slikok Creek	A1404512-02	RM 21 - Soldotna Bridge
A1404512-03	RM 22 - Soldotna Creek	A1404512-04	RM 23 - Swiftwater Park

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,

Claire Toon  
Project Manager

*"The Science of Analysis, The Art of Service"*

## Case Narrative

*Analytica Group, LLC - Anchorage*

*Work Order: A1404512*

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

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:

Four (4) samples were received on 4/29/2014 6:20:00 PM, at a temperature of 6.8°C, at Analytica-Anchorage. The samples were received in good condition and in order per chain of custody.

Comments: The samples were received on ice on the collection date.

The samples were transferred for metals and total phosphorus analysis to Analytica Environmental Laboratories (AEL), 12189 Pennsylvania St., Thornton, Colorado 80241, where they were received at a temperature of 3.5°C, in good condition and in order per chain of custody on 5/1/2014.

### REVIEW FOR COMPLIANCE WITH ANALYTICA QA PLAN

A summary of our review is shown below.

All analytical results contained in this report have been reviewed under Analytica'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: 200.8 - Metals by ICP/MS - Dissolved - Aqueous

Test Method: 200.8 - Metals by ICP/MS - Total/TR - Aqueous

Test Method: SM4500-NO3E - Nitrogen (Nitrate), Cadmium Reduction Method - Nitrate+Nitrite pres - Aqueous

Test Method: SM4500-PE - Total Phos - Aqueous

# Detailed Analytical Report

Analytica Group, LLC - Anchorage

Workorder (SDG): A1404512

Project: KWF Baseline Monitoring 2014

Client: Kenai Watershed Forum

Client Project Number: None

## Report Section: Client Sample Report

Client Sample Name: RM 19 - Slikok Creek

Matrix: Aqueous

Collection Date: 4/29/2014 12:43:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A1404512-01A Analysis Date: 5/7/2014 10:10:00AM  
Prep Date: 05-07-2014 10:05 Instrument: Thermospectr  
Analytical Method ID: SM4500-NO3E - Nitrogen (Nitrate), Cadmium Reduction Method - File Name:  
Prep Method ID: Dilution Factor: 1  
Prep Batch Number: A140508009  
Report Basis: As Received Analyst Initials: MC  
Sample prep wt./vol: 25.00 ml Prep Extract Vol: 25.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Nitrate-Nitrite as Nitrogen		0.115		mg/L	0.10	0.015	1

The following test was conducted by: Analytica - Thornton

Lab Sample Number: A1404512-01B Analysis Date: 5/6/2014 5:18:57PM  
Prep Date: 05-06-2014 Instrument: AgilentICPMS  
Analytical Method ID: 200.8 - Metals by ICP/MS - Total/TR File Name: 050614A.csv  
Prep Method ID: 200.8 Dilution Factor: 1  
Prep Batch Number: T140506005  
Report Basis: As Received Analyst Initials: RM  
Sample prep wt./vol: 50.00 ml Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Calcium	7440-70-2	8.56		mg/L	0.10	0.0030	2
Magnesium	7439-96-4	2.53		mg/L	0.050	0.00020	

Lab Sample Number: A1404512-01B Analysis Date: 5/7/2014 12:50:06PM  
Prep Date: 05-06-2014 Instrument: AgilentICPMS  
Analytical Method ID: 200.8 - Metals by ICP/MS - Total/TR File Name: 050714A.csv  
Prep Method ID: 200.8 Dilution Factor: 1  
Prep Batch Number: T140506005  
Report Basis: As Received Analyst Initials: RM  
Sample prep wt./vol: 50.00 ml Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Iron	7439-89-6	1.21		mg/L	0.010	0.00071	3

The following test was conducted by: Analytica - Thornton

Lab Sample Number: A1404512-01C Analysis Date: 5/5/2014 4:31:27PM  
Prep Date: 05-05-2014 Instrument: AgilentICPMS  
Analytical Method ID: 200.8 - Metals by ICP/MS - Dissolved File Name: 050514A.csv  
Prep Method ID: 200.8 Dilution Factor: 1  
Prep Batch Number: T140505012  
Report Basis: As Received Analyst Initials: RM  
Sample prep wt./vol: 50.00 ml Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Arsenic	7440-38-2	1.72		ug/L	0.15	0.084	2

## Detailed Analytical Report

Analytica Group, LLC - Anchorage

Workorder (SDG): A1404512

Project: KWF Baseline Monitoring 2014

Client: Kenai Watershed Forum

Client Project Number: None

### Report Section: Client Sample Report

Client Sample Name: **RM 19 - Slikok Creek**

Matrix: Aqueous Collection Date: 4/29/2014 12:43:00PM

Lab Sample Number: A1404512-01C Analysis Date: 5/5/2014 4:31:27PM  
Prep Date: 05-05-2014 Instrument: AgilentICPMS  
Analytical Method ID: 200.8 - Metals by ICP/MS - Dissolved File Name: 050514A.csv  
Prep Method ID: 200.8 Dilution Factor: 1  
Prep Batch Number: T140505012  
Report Basis: As Received Analyst Initials: RM  
Sample prep wt./vol: 50.00 ml Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Cadmium	7440-43-9	ND		ug/L	0.10	0.066	2
Chromium	7440-47-3	ND		ug/L	0.50	0.20	
Copper	7440-50-8	0.546		ug/L	0.25	0.076	
Lead	7439-92-1	ND		ug/L	0.20	0.073	
Zinc	7440-66-6	56.3		ug/L	2.5	0.55	

The following test was conducted by: Analytica - Thornton

Lab Sample Number: A1404512-01D Analysis Date: 5/7/2014 12:45:00PM  
Prep Date: 05-07-2014 11:05 Instrument: Hach DR 3900  
Analytical Method ID: SM4500-PE - Total Phos File Name:  
Prep Method ID: 4500-PB Dilution Factor: 1  
Prep Batch Number: T140508002  
Report Basis: As Received Analyst Initials: CRB  
Sample prep wt./vol: 10.00 ml Prep Extract Vol: 10.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Phosphorus, Total and Ortho		ND		mg/L	0.051	0.026	1

## Detailed Analytical Report

Analytica Group, LLC - Anchorage

Workorder (SDG): A1404512

Project: KWF Baseline Monitoring 2014

Client: Kenai Watershed Forum

Client Project Number: None

### Report Section: Client Sample Report

Client Sample Name: **RM 21 - Soldotna Bridge**

Matrix: Aqueous

Collection Date: 4/29/2014 1:30:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A1404512-02A Analysis Date: 5/7/2014 10:10:00AM  
Prep Date: 05-07-2014 10:05 Instrument: Thermospectr  
Analytical Method ID: SM4500-NO3E - Nitrogen (Nitrate), Cadmium Reduction Method - File Name:  
Prep Method ID: Dilution Factor: 1  
Prep Batch Number: A140508009  
Report Basis: As Received Analyst Initials: MC  
Sample prep wt./vol: 25.00 ml Prep Extract Vol: 25.00 ml

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

The following test was conducted by: Analytica - Thornton

Lab Sample Number: A1404512-02B Analysis Date: 5/6/2014 5:21:24PM  
Prep Date: 05-06-2014 Instrument: AgilentICPMS  
Analytical Method ID: 200.8 - Metals by ICP/MS - Total/TR File Name: 050614A.csv  
Prep Method ID: 200.8 Dilution Factor: 1  
Prep Batch Number: T140506005  
Report Basis: As Received Analyst Initials: RM  
Sample prep wt./vol: 50.00 ml Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Calcium	7440-70-2	10.6		mg/L	0.10	0.0030	2
Magnesium	7439-96-4	1.46		mg/L	0.050	0.00020	

Lab Sample Number: A1404512-02B Analysis Date: 5/7/2014 12:52:36PM  
Prep Date: 05-06-2014 Instrument: AgilentICPMS  
Analytical Method ID: 200.8 - Metals by ICP/MS - Total/TR File Name: 050714A.csv  
Prep Method ID: 200.8 Dilution Factor: 1  
Prep Batch Number: T140506005  
Report Basis: As Received Analyst Initials: RM  
Sample prep wt./vol: 50.00 ml Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Iron	7439-89-6	0.421		mg/L	0.010	0.00071	3

The following test was conducted by: Analytica - Thornton

Lab Sample Number: A1404512-02C Analysis Date: 5/5/2014 4:33:52PM  
Prep Date: 05-05-2014 Instrument: AgilentICPMS  
Analytical Method ID: 200.8 - Metals by ICP/MS - Dissolved File Name: 050514A.csv  
Prep Method ID: 200.8 Dilution Factor: 1  
Prep Batch Number: T140505012  
Report Basis: As Received Analyst Initials: RM  
Sample prep wt./vol: 50.00 ml Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Arsenic	7440-38-2	1.57		ug/L	0.15	0.084	2

# Detailed Analytical Report

Analytica Group, LLC - Anchorage

Workorder (SDG): A1404512

Project: KWF Baseline Monitoring 2014

Client: Kenai Watershed Forum

Client Project Number: None

## Report Section: Client Sample Report

Client Sample Name: **RM 21 - Soldotna Bridge**

Matrix: Aqueous Collection Date: 4/29/2014 1:30:00PM

Lab Sample Number: A1404512-02C Analysis Date: 5/5/2014 4:33:52PM  
Prep Date: 05-05-2014 Instrument: AgilentICPMS  
Analytical Method ID: 200.8 - Metals by ICP/MS - Dissolved File Name: 050514A.csv  
Prep Method ID: 200.8 Dilution Factor: 1  
Prep Batch Number: T140505012  
Report Basis: As Received Analyst Initials: RM  
Sample prep wt./vol: 50.00 ml Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Cadmium	7440-43-9	ND		ug/L	0.10	0.066	2
Chromium	7440-47-3	ND		ug/L	0.50	0.20	
Copper	7440-50-8	0.580		ug/L	0.25	0.076	
Lead	7439-92-1	ND		ug/L	0.20	0.073	
Zinc	7440-66-6	14.7		ug/L	2.5	0.55	

The following test was conducted by: Analytica - Thornton

Lab Sample Number: A1404512-02D Analysis Date: 5/7/2014 12:45:00PM  
Prep Date: 05-07-2014 11:05 Instrument: Hach DR 3900  
Analytical Method ID: SM4500-PE - Total Phos File Name:  
Prep Method ID: 4500-PB Dilution Factor: 1  
Prep Batch Number: T140508002  
Report Basis: As Received Analyst Initials: CRB  
Sample prep wt./vol: 10.00 ml Prep Extract Vol: 10.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Phosphorus, Total and Ortho		ND		mg/L	0.051	0.026	1

## Detailed Analytical Report

Analytica Group, LLC - Anchorage

Workorder (SDG): A1404512

**Project:** KWF Baseline Monitoring 2014

**Client:** Kenai Watershed Forum

**Client Project Number:** None

### Report Section: Client Sample Report

**Client Sample Name:** RM 22 - Soldotna Creek

**Matrix:** Aqueous

**Collection Date:** 4/29/2014 10:46:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A1404512-03A	Analysis Date:	5/7/2014 10:10:00AM
Prep Date:	05-07-2014 10:05	Instrument:	Thermospectr
Analytical Method ID:	SM4500-NO3E - Nitrogen (Nitrate), Cadmium Reduction Method - N	File Name:	
Prep Method ID:		Dilution Factor:	1
Prep Batch Number:	A140508009		
Report Basis:	As Received	Analyst Initials:	MC
Sample prep wt./vol:	25.00 ml	Prep Extract Vol:	25.00 ml

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

The following test was conducted by: Analytica - Thornton

Lab Sample Number:	A1404512-03B	Analysis Date:	5/6/2014 2:24:52PM
Prep Date:	05-06-2014	Instrument:	AgilentICPMS
Analytical Method ID:	200.8 - Metals by ICP/MS - Total/TR	File Name:	050614A.csv
Prep Method ID:	200.8	Dilution Factor:	10
Prep Batch Number:	T140506005		
Report Basis:	As Received	Analyst Initials:	RM
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Calcium	7440-70-2	12.1		mg/L	1.0	0.030	1

Lab Sample Number:	A1404512-03B	Analysis Date:	5/6/2014 5:23:45PM
Prep Date:	05-06-2014	Instrument:	AgilentICPMS
Analytical Method ID:	200.8 - Metals by ICP/MS - Total/TR	File Name:	050614A.csv
Prep Method ID:	200.8	Dilution Factor:	1
Prep Batch Number:	T140506005		
Report Basis:	As Received	Analyst Initials:	RM
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Magnesium	7439-96-4	3.52		mg/L	0.050	0.00020	2

Lab Sample Number:	A1404512-03B	Analysis Date:	5/7/2014 1:07:17PM
Prep Date:	05-06-2014	Instrument:	AgilentICPMS
Analytical Method ID:	200.8 - Metals by ICP/MS - Total/TR	File Name:	050714A.csv
Prep Method ID:	200.8	Dilution Factor:	1
Prep Batch Number:	T140506005		
Report Basis:	As Received	Analyst Initials:	RM
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Iron	7439-89-6	1.74		mg/L	0.010	0.00071	3

The following test was conducted by: Analytica - Thornton

## Detailed Analytical Report

Analytica Group, LLC - Anchorage

Workorder (SDG): A1404512

Project: KWF Baseline Monitoring 2014

Client: Kenai Watershed Forum

Client Project Number: None

### Report Section: Client Sample Report

Client Sample Name: **RM 22 - Soldotna Creek**

Matrix: Aqueous Collection Date: 4/29/2014 10:46:00AM

Lab Sample Number: A1404512-03C Analysis Date: 5/5/2014 4:36:23PM  
Prep Date: 05-05-2014 Instrument: AgilentICPMS  
Analytical Method ID: 200.8 - Metals by ICP/MS - Dissolved File Name: 050514A.csv  
Prep Method ID: 200.8 Dilution Factor: 1  
Prep Batch Number: T140505012  
Report Basis: As Received Analyst Initials: RM  
Sample prep wt./vol: 50.00 ml Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Arsenic	7440-38-2	7.21		ug/L	0.15	0.084	2
Cadmium	7440-43-9	ND		ug/L	0.10	0.066	
Chromium	7440-47-3	ND		ug/L	0.50	0.20	
Copper	7440-50-8	0.658		ug/L	0.25	0.076	
Lead	7439-92-1	0.374		ug/L	0.20	0.073	
Zinc	7440-66-6	55.1		ug/L	2.5	0.55	

The following test was conducted by: Analytica - Thornton

Lab Sample Number: A1404512-03D Analysis Date: 5/7/2014 12:45:00PM  
Prep Date: 05-07-2014 11:05 Instrument: Hach DR 3900  
Analytical Method ID: SM4500-PE - Total Phos File Name:  
Prep Method ID: 4500-PB Dilution Factor: 1  
Prep Batch Number: T140508002  
Report Basis: As Received Analyst Initials: CRB  
Sample prep wt./vol: 10.00 ml Prep Extract Vol: 10.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Phosphorus, Total and Ortho		0.13		mg/L	0.051	0.026	1



## Detailed Analytical Report

Analytica Group, LLC - Anchorage

Workorder (SDG): A1404512

**Project:** KWF Baseline Monitoring 2014

**Client:** Kenai Watershed Forum

**Client Project Number:** None

### Report Section: Client Sample Report

**Client Sample Name:** RM 23 - Swiftwater Park

**Matrix:** Aqueous

**Collection Date:** 4/29/2014 9:35:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A1404512-04A

Analysis Date: 5/7/2014 10:10:00AM

Prep Date: 05-07-2014 10:05

Instrument: Thermospectr

Analytical Method ID: SM4500-NO3E - Nitrogen (Nitrate), Cadmium Reduction Method - N

File Name:

Prep Method ID:

Dilution Factor: 1

Prep Batch Number: A140508009

Report Basis: As Received

Analyst Initials: MC

Sample prep wt./vol: 25.00 ml

Prep Extract Vol: 25.00 ml

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

The following test was conducted by: Analytica - Thornton

Lab Sample Number: A1404512-04B

Analysis Date: 5/6/2014 2:27:19PM

Prep Date: 05-06-2014

Instrument: AgilentICPMS

Analytical Method ID: 200.8 - Metals by ICP/MS - Total/TR

File Name: 050614A.csv

Prep Method ID: 200.8

Dilution Factor: 10

Prep Batch Number: T140506005

Report Basis: As Received

Analyst Initials: RM

Sample prep wt./vol: 50.00 ml

Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Calcium	7440-70-2	11.3		mg/L	1.0	0.030	1

Lab Sample Number: A1404512-04B

Analysis Date: 5/6/2014 5:26:05PM

Prep Date: 05-06-2014

Instrument: AgilentICPMS

Analytical Method ID: 200.8 - Metals by ICP/MS - Total/TR

File Name: 050614A.csv

Prep Method ID: 200.8

Dilution Factor: 1

Prep Batch Number: T140506005

Report Basis: As Received

Analyst Initials: RM

Sample prep wt./vol: 50.00 ml

Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Magnesium	7439-96-4	1.46		mg/L	0.050	0.00020	2

Lab Sample Number: A1404512-04B

Analysis Date: 5/7/2014 1:09:41PM

Prep Date: 05-06-2014

Instrument: AgilentICPMS

Analytical Method ID: 200.8 - Metals by ICP/MS - Total/TR

File Name: 050714A.csv

Prep Method ID: 200.8

Dilution Factor: 1

Prep Batch Number: T140506005

Report Basis: As Received

Analyst Initials: RM

Sample prep wt./vol: 50.00 ml

Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Iron	7439-89-6	0.440		mg/L	0.010	0.00071	3

The following test was conducted by: Analytica - Thornton

## Detailed Analytical Report

Analytica Group, LLC - Anchorage

Workorder (SDG): A1404512

Project: KWF Baseline Monitoring 2014

Client: Kenai Watershed Forum

Client Project Number: None

### Report Section: Client Sample Report

Client Sample Name: **RM 23 - Swiftwater Park**

Matrix: Aqueous Collection Date: 4/29/2014 9:35:00AM

Lab Sample Number: A1404512-04C Analysis Date: 5/5/2014 4:51:04PM  
Prep Date: 05-05-2014 Instrument: AgilentICPMS  
Analytical Method ID: 200.8 - Metals by ICP/MS - Dissolved File Name: 050514A.csv  
Prep Method ID: 200.8 Dilution Factor: 1  
Prep Batch Number: T140505012  
Report Basis: As Received Analyst Initials: RM  
Sample prep wt./vol: 50.00 ml Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Arsenic	7440-38-2	1.58		ug/L	0.15	0.084	2
Cadmium	7440-43-9	ND		ug/L	0.10	0.066	
Chromium	7440-47-3	ND		ug/L	0.50	0.20	
Copper	7440-50-8	0.831		ug/L	0.25	0.076	
Lead	7439-92-1	ND		ug/L	0.20	0.073	
Zinc	7440-66-6	47.5		ug/L	2.5	0.55	

The following test was conducted by: Analytica - Thornton

Lab Sample Number: A1404512-04D Analysis Date: 5/7/2014 12:45:00PM  
Prep Date: 05-07-2014 11:05 Instrument: Hach DR 3900  
Analytical Method ID: SM4500-PE - Total Phos File Name:  
Prep Method ID: 4500-PB Dilution Factor: 1  
Prep Batch Number: T140508002  
Report Basis: As Received Analyst Initials: CRB  
Sample prep wt./vol: 10.00 ml Prep Extract Vol: 10.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Phosphorus, Total and Ortho		ND		mg/L	0.051	0.026	1

## Detailed Analytical Report

Analytica Group, LLC - Anchorage

Workorder (SDG): A1404512

**Project:** KWF Baseline Monitoring 2014

**Client:** Kenai Watershed Forum

**Client Project Number:** None

**Report Section:** Method Blank Report

**Client Sample Name:**

MB

Matrix: Aqueous

Collection Date: 5/7/2014 10:10:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A140508009-MB

Analysis Date: 5/7/2014 10:10:00AM

Prep Date: 05-07-2014 10:05

Instrument: Thermospectr

Analytical Method ID: SM4500-NO3E - Nitrogen (Nitrate), Cadmium Reduction Method - N

File Name:

Prep Method ID:

Dilution Factor: 1

Prep Batch Number: A140508009

Report Basis: As Received

Analyst Initials: MC

Sample prep wt./vol: 25.00 ml

Prep Extract Vol: 25.00 ml

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

The following test was conducted by: Analytica - Thornton

Lab Sample Number: T140506005-MB

Analysis Date: 5/6/2014 1:04:51PM

Prep Date: 05-06-2014

Instrument: AgilentICPMS

Analytical Method ID: 200.8 - Metals by ICP/MS - Total/TR

File Name: 050614A.csv

Prep Method ID: 200.8

Dilution Factor: 1

Prep Batch Number: T140506005

Report Basis: As Received

Analyst Initials: RM

Sample prep wt./vol: 50.00 ml

Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Calcium	7440-70-2	ND		ug/L	100	3.0	1
Magnesium	7439-96-4	ND		ug/L	50	0.20	

Lab Sample Number: T140506005-MB

Analysis Date: 5/7/2014 11:58:34AM

Prep Date: 05-06-2014

Instrument: AgilentICPMS

Analytical Method ID: 200.8 - Metals by ICP/MS - Total/TR

File Name: 050714A.csv

Prep Method ID: 200.8

Dilution Factor: 1

Prep Batch Number: T140506005

Report Basis: As Received

Analyst Initials: RM

Sample prep wt./vol: 50.00 ml

Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Iron	7439-89-6	ND		ug/L	10	0.71	3

The following test was conducted by: Analytica - Thornton

Lab Sample Number: T140505012-MB

Analysis Date: 5/5/2014 1:51:47PM

Prep Date: 05-05-2014

Instrument: AgilentICPMS

Analytical Method ID: 200.8 - Metals by ICP/MS - Dissolved

File Name: 050514A.csv

Prep Method ID: 200.8

Dilution Factor: 1

Prep Batch Number: T140505012

Report Basis: As Received

Analyst Initials: RM

Sample prep wt./vol: 50.00 ml

Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Arsenic	7440-38-2	ND		ug/L	0.15	0.084	1

## Detailed Analytical Report

Analytica Group, LLC - Thornton

Workorder (SDG): A1404512

**Project:** KWF Baseline Monitoring 2014

**Client:** Kenai Watershed Forum

**Client Project Number:** None

**Report Section:** Method Blank Report

**Client Sample Name:** MB

Matrix: Aqueous Collection Date: 1/1/1900 12:00:00AM

Lab Sample Number: T140505012-MB Analysis Date: 5/5/2014 1:51:47PM  
Prep Date: 05-05-2014 Instrument: AgilentICPMS  
Analytical Method ID: 200.8 - Metals by ICP/MS - Dissolved File Name: 050514A.csv  
Prep Method ID: 200.8 Dilution Factor: 1  
Prep Batch Number: T140505012  
Report Basis: As Received Analyst Initials: RM  
Sample prep wt./vol: 50.00 ml Prep Extract Vol: 50.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Cadmium	7440-43-9	ND		ug/L	0.10	0.066	1
Chromium	7440-47-3	ND		ug/L	0.50	0.20	
Copper	7440-50-8	ND		ug/L	0.25	0.076	
Lead	7439-92-1	ND		ug/L	0.20	0.073	
Zinc	7440-66-6	ND		ug/L	2.5	0.55	

The following test was conducted by: Analytica - Thornton

Lab Sample Number: T140508002-MB Analysis Date: 5/7/2014 12:45:00PM  
Prep Date: 05-07-2014 11:05 Instrument: Hach DR 3900  
Analytical Method ID: SM4500-PE - Total Phos File Name:  
Prep Method ID: 4500-PB Dilution Factor: 1  
Prep Batch Number: T140508002  
Report Basis: As Received Analyst Initials: CRB  
Sample prep wt./vol: 10.00 ml Prep Extract Vol: 10.00 ml

<u>Analyte</u>	<u>CASNo</u>	<u>Result</u>	<u>Flags</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>run #:</u>
Phosphorus, Total and Ortho		ND		mg/L	0.051	0.026	1

## Detailed Analytical Report

Analytica Group, LLC - Thornton

Workorder (SDG): A1404512

Project: KWF Baseline Monitoring 2014

Client: Kenai Watershed Forum

Client Project Number: None

Tests Run at: Analytica Environmental Laboratories - Anchorage, Alaska

Workorder (SDG): A1404512

Project: KWF Baseline Monitoring 2014

Project Number:

Prep Batch: A140508009

### QUALITY CONTROL REPORT

#### LCS REPORT

Analysis: SM4500-NO3E - Nitrogen (Nitrate), Cadmium Reduction Method - MB: A140508009-MB

Prep Date: 5/7/2014

MB Anal. Date: 5/7/2014 10:10:00AM

Units: mg/L

LCS Anal. Date: 5/7/2014 10:10:00AM

Matrix: Aqueous

<u>Analyte Name</u>	<u>SampResult</u>	<u>LCSRes.</u>	<u>SPLev</u>	<u>Recov.</u>	<u>Recov Lim</u>	<u>RPDLim</u>	<u>Flag</u>
Nitrate-Nitrite as Nitrogen	ND	5.48	5.16	106.2	90 - 110		

#### MS REPORT

Analysis: SM4500-NO3E - Nitrogen (Nitrate), Cadmium Reduction Method - Parent: A1404512-01A

Prep Date: 5/7/2014

Samp. Anal. Date: 5/7/2014 10:10:00AM

Units: mg/L

MS Anal. Date: 5/7/2014 10:10:00AM

Matrix: Aqueous

<u>Analyte Name</u>	<u>SampResult</u>	<u>MSRes.</u>	<u>SPLev</u>	<u>Recov.</u>	<u>Recov Lim</u>	<u>Flag</u>
Nitrate-Nitrite as Nitrogen	0.115	0.323	0.206	100.8	80 - 120	

#### 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 significance. Otherwise it indicates that a matrix bias may exist at the analytical step.

## Detailed Analytical Report

Analytica Group, LLC - Thornton

Workorder (SDG): A1404512

Project: KWF Baseline Monitoring 2014

Client: Kenai Watershed Forum

Client Project Number: None

Tests Run at: Analytica Environmental Laboratories - Thornton, Colorado

Workorder (SDG): A1404512

Project: KWF Baseline Monitoring 2014

Project Number:

Prep Batch: T140505012

### QUALITY CONTROL REPORT

#### LCS REPORT

Analysis: 200.8 - Metals by ICP/MS - Dissolved

MB: T140505012-MB

Prep Date: 5/5/2014

MB Anal. Date: 5/5/2014 1:51:47PM

Units: ug/L

LCS Anal. Date: 5/5/2014 1:56:46PM

Matrix: Aqueous

<u>Analyte Name</u>	<u>SampResult</u>	<u>LCSRes.</u>	<u>SPLev</u>	<u>Recov.</u>	<u>Recov Lim</u>	<u>RPDLim</u>	<u>Flag</u>
Copper	ND	50.0	50.0	100.0	85 - 115		
Arsenic	ND	50.5	50.0	101.0	85 - 115		
Chromium	ND	50.1	50.0	100.2	85 - 115		
Lead	ND	49.2	50.0	98.4	85 - 115		
Zinc	ND	50.7	50.0	101.4	85 - 115		
Cadmium	ND	49.5	50.0	99.0	85 - 115		

Prep Batch: T140506005

#### LCS REPORT

Analysis: 200.8 - Metals by ICP/MS - Total/TR

MB: T140506005-MB

Prep Date: 5/6/2014

MB Anal. Date: 5/6/2014 1:04:51PM

Units: ug/L

LCS Anal. Date: 5/6/2014 1:09:46PM

Matrix: Aqueous

<u>Analyte Name</u>	<u>SampResult</u>	<u>LCSRes.</u>	<u>SPLev</u>	<u>Recov.</u>	<u>Recov Lim</u>	<u>RPDLim</u>	<u>Flag</u>
Calcium	ND	5,050	5,000	101.0	85 - 115		
Magnesium	ND	5,210	5,000	104.2	85 - 115		
Iron	ND	4,730	5,000	94.6	85 - 115		

## Detailed Analytical Report

Analytica Group, LLC - Thornton

Workorder (SDG): A1404512

**Project:** KWF Baseline Monitoring 2014

**Client:** Kenai Watershed Forum

**Client Project Number:** None

### 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 significance. Otherwise it indicates that a matrix bias may exist at the analytical step.

## Detailed Analytical Report

Analytica Group, LLC - Thornton

Workorder (SDG): A1404512

Project: KWF Baseline Monitoring 2014

Client: Kenai Watershed Forum

Client Project Number: None

Tests Run at: Analytica Environmental Laboratories - Thornton, Colorado

Workorder (SDG): A1404512

Project: KWF Baseline Monitoring 2014

Project Number:

Prep Batch: T140508002

### QUALITY CONTROL REPORT

#### LCS REPORT

Analysis: SM4500-PE - Total Phos

MB: T140508002-MB

Prep Date: 5/7/2014

MB Anal. Date: 5/7/2014 12:45:00PM

Units: mg/L

LCS Anal. Date: 5/7/2014 12:45:00PM

Matrix: Aqueous

<u>Analyte Name</u>	<u>SampResult</u>	<u>LCSRes.</u>	<u>SPLev</u>	<u>Recov.</u>	<u>Recov Lim</u>	<u>RPDLim</u>	<u>Flag</u>
Phosphorus, Total and Ortho	ND	0.505	0.500	101.0	80 - 120		

#### 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 significance. Otherwise it indicates that a matrix bias may exist at the analytical step.



## Detailed Analytical Report

Analytica Group, LLC - Thornton

Workorder (SDG): A1404512

Project: KWF Baseline Monitoring 2014

Client: Kenai Watershed Forum

Client Project Number: None

### QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: 159,716 Lab Project Number: A1404512

Prep Date: 5/5/2014

Lab Method Blank Id: T140505012-MB

Prep Batch ID: T140505012

Method: 200.8 - Metals by ICP/MS - Dissolved

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

<u>SampleNum</u>	<u>ClientSampleName</u>	<u>DataFile</u>	<u>AnalysisDate</u>
A1404477-01A	Batch QC	050514A.csv	5/5/2014 3:42:29PM
A1404512-01C	RM 19 - Slikok Creek	050514A.csv	5/5/2014 4:31:27PM
A1404512-02C	RM 21 - Soldotna Bridge	050514A.csv	5/5/2014 4:33:52PM
A1404512-03C	RM 22 - Soldotna Creek	050514A.csv	5/5/2014 4:36:23PM
A1404512-04C	RM 23 - Swiftwater Park	050514A.csv	5/5/2014 4:51:04PM
T140505012-LCS	LCS	050514A.csv	5/5/2014 1:56:46PM
A1404477-01A-DUP	DUP	050514A.csv	5/5/2014 3:44:58PM
A1404477-01A-MS	MS	050514A.csv	5/5/2014 3:47:22PM
A1404477-01A-MSD	MSD	050514A.csv	5/5/2014 3:49:44PM
A1404477-01A	Batch QC	050614A.csv	5/6/2014 4:04:28PM
A1404477-01A-DUP	DUP	050614A.csv	5/6/2014 4:06:52PM
A1404477-01A-MS	MS	050614A.csv	5/6/2014 4:09:21PM
A1404477-01A-MSD	MSD	050614A.csv	5/6/2014 4:11:44PM

## Detailed Analytical Report

Analytica Group, LLC - Thornton

Workorder (SDG): A1404512

Project: KWF Baseline Monitoring 2014

Client: Kenai Watershed Forum

Client Project Number: None

### QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: 159,716 Lab Project Number: A1404512

Prep Date: 5/6/2014

Lab Method Blank Id: T140506005-MB

Prep Batch ID: T140506005

Method: 200.8 - Metals by ICP/MS - Total/TR

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

<u>SampleNum</u>	<u>ClientSampleName</u>	<u>DataFile</u>	<u>AnalysisDate</u>
A1404489-01B	Batch QC	050614A.csv	5/6/2014 4:19:04PM
A1404512-01B	RM 19 - Slikok Creek	050614A.csv	5/6/2014 5:18:57PM
A1404512-02B	RM 21 - Soldotna Bridge	050614A.csv	5/6/2014 5:21:24PM
A1404512-03B	RM 22 - Soldotna Creek	050614A.csv	5/6/2014 2:24:52PM
A1404512-03B	RM 22 - Soldotna Creek	050614A.csv	5/6/2014 5:23:45PM
A1404512-04B	RM 23 - Swiftwater Park	050614A.csv	5/6/2014 2:27:19PM
A1404512-04B	RM 23 - Swiftwater Park	050614A.csv	5/6/2014 5:26:05PM
T140506005-LCS	LCS	050614A.csv	5/6/2014 1:09:46PM
A1404489-01B-DUP	DUP	050614A.csv	5/6/2014 4:21:22PM
A1404489-01B-MS	MS	050614A.csv	5/6/2014 4:23:45PM
A1404489-01B-MSD	MSD	050614A.csv	5/6/2014 4:38:17PM
A1404512-01B	RM 19 - Slikok Creek	050714A.csv	5/7/2014 12:50:06PM
A1404512-02B	RM 21 - Soldotna Bridge	050714A.csv	5/7/2014 12:52:36PM
A1404512-03B	RM 22 - Soldotna Creek	050714A.csv	5/7/2014 1:07:17PM
A1404512-04B	RM 23 - Swiftwater Park	050714A.csv	5/7/2014 1:09:41PM

Prep Date: 5/7/2014

Lab Method Blank Id: T140508002-MB

Prep Batch ID: T140508002

Method: SM4500-PE - Total Phos

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

<u>SampleNum</u>	<u>ClientSampleName</u>	<u>DataFile</u>	<u>AnalysisDate</u>
A1404510-01D	Batch QC		5/7/2014 12:45:00PM
A1404512-01D	RM 19 - Slikok Creek		5/7/2014 12:45:00PM
A1404512-02D	RM 21 - Soldotna Bridge		5/7/2014 12:45:00PM
A1404512-03D	RM 22 - Soldotna Creek		5/7/2014 12:45:00PM
A1404512-04D	RM 23 - Swiftwater Park		5/7/2014 12:45:00PM
T140508002-LCS	LCS		5/7/2014 12:45:00PM
A1404510-01D-DUP	DUP		5/7/2014 12:45:00PM
A1404510-01D-MS	MS		5/7/2014 12:45:00PM

## Detailed Analytical Report

Analytica Group, LLC - Thornton

Workorder (SDG): A1404512

**Project:** KWF Baseline Monitoring 2014

**Client:** Kenai Watershed Forum

**Client Project Number:** None

### QC BATCH ASSOCIATIONS - BY METHOD BLANK

**Lab Project ID:** 159,716 **Lab Project Number:** A1404512

Prep Date: 5/7/2014

Lab Method Blank Id: A140508009-MB

Prep Batch ID: A140508009

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

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

<u>SampleNum</u>	<u>ClientSampleName</u>	<u>DataFile</u>	<u>AnalysisDate</u>
A1404283-02A	Batch QC		5/7/2014 10:10:00AM
A1404512-01A	RM 19 - Slikok Creek		5/7/2014 10:10:00AM
A1404512-02A	RM 21 - Soldotna Bridge		5/7/2014 10:10:00AM
A1404512-03A	RM 22 - Soldotna Creek		5/7/2014 10:10:00AM
A1404512-04A	RM 23 - Swiftwater Park		5/7/2014 10:10:00AM
A140508009-LCS	LCS		5/7/2014 10:10:00AM
A1404283-02A-DUP	DUP		5/7/2014 10:10:00AM
A1404512-01A-MS	MS		5/7/2014 10:10:00AM

## Detailed Analytical Report

Analytica Group, LLC - Thornton

Workorder (SDG): A1404512

**Project:** KWF Baseline Monitoring 2014

**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

## Detailed Analytical Report

Analytica Group, LLC - Thornton

Workorder (SDG): A1404512

Project: KWF Baseline Monitoring 2014

Client: Kenai Watershed Forum

Client Project Number: None

### REPORTING CONVENTIONS FOR THIS REPORT

A1404512

<u>TestPkgName</u>	<u>Basis</u>	<u># Sig Figs</u>	<u>Reporting Limit</u>
200.8/200.8 (Aqueous) - Dissolved	As Received	3	Report to PQL
200.8/200.8 (Aqueous) - Total/TR	As Received	3	Report to PQL
4500-NO3E (Aqueous) - Nitrate+Nitrite pres	As Received	3	Report to PQL
4500-PE/4500-PB (Aqueous) - Total Phos	As Received	2	Report to PQL



# Analytica Chain of Custody Form

Page \_\_\_\_ of \_\_\_\_

121889 Pennsylvania St.  
Thornton, CO 80241  
(303) 469-8868  
4307 Arctic Blvd.  
Anchorage, AK 99503  
(907) 258-2155  
(907) 258-6834 fax  
475 Hall Street  
Fairbanks, AK 99701  
(907) 456-3116  
(907) 456-3125 fax  
1203 W. Parks Highway  
Wasilla, Alaska 99654  
(907) 373-5440

Chain of Custody No: \_\_\_\_\_

TEAM ID: ADF&G

Project Name: Kenai River Baseline Project - April 2014

Section To be Completed by Analytica  
Quote ID No: A14040019 LGN: A1404512

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

Contact Person: Branden Bornemann

Phone No: (907) 260-5449

Fax No: (907) 260-5412

E-mail: branden@kenaiwatershed.org

Special Instructions/Comments:

Results Due Date:

PHL 2000 samples

P.O. or Contract

Turnaround Time for Results (TAT)

Standard Expedited (< 10 days, prior authorization required)  
(please specify due date below, add if change)

Invoice to Name & Address:

Account # Cash Credit Card

Lab Bottle Order No:

Client Sample Identification / Location

Requested Analysis/Method

Date Sampled	Time Sampled	Matrix (S-DW-WW-Other)	No. of Containers	Nitrate SM4500-NO3E Lot #: Pres: H2SO4	200.7 Metals by ICP-Total TR Lot #: Pres: HNO3	200.8 Dissolved Metals Lot #: Pres: HNO3	Total Phos SM4500 Lot #: Pres: H2SO4	Lot #: Pres:	Lot #: Pres:	Lot #: Pres:	Field Preserved	Field Filtered	MS/MSD ?
--------------	--------------	------------------------	-------------------	--	--	--	--	-----------------	-----------------	-----------------	-----------------	----------------	----------

RM 19 - Slikok Creek  
RM 21 - Soldotna Bridge  
RM 22 - Soldotna Creek  
RM 23 - Swiftwater Park

4/29/14 13:43 AM Aq 4  
4/29/14 1:30 PM Aq 4  
4/29/14 10:46 AM Aq 4  
4/29/14 9:35 AM Aq 4

X  
X  
X  
X  
X  
X  
X  
X  
X  
X  
X  
X  
X  
X

Collected/Relinquished by:

Date Time Received by:

Date Time

Relinquished by:

Date Time Received by:

Date Time

Relinquished by:

Date Time Received by:

Date Time

Name of Sampler: (printed)

Brian Blossom

To be Completed by Analytica

Chain-of-Custody Seal?: THO ANC JUN FBKS

Initiated By:

Temp/Loc:

Thermo ID#:

Shipping Via:

AKOS

168

83435

Analytica