



Results of WQSWB142.3RT

Client Sample ID: WQSWB142.3RT
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615001
Lab Project ID: 1132615

Collection Date: 06/24/13 13:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals by ICP/MS

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Lists various metals like Arsenic, Barium, Beryllium, etc., with their respective values and quality indicators.

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 10:07
Container ID: 1132615001 B

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol.: 10 mL

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Results of WQSWB142.3RT

Client Sample ID: **WQSWB142.3RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615001
Lab Project ID: 1132615

Collection Date: 06/24/13 13:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	1.00	UJ	1.00	0.500	ng/L	1	07/01/13 16:08

Batch Information

Analytical Batch: MCV5337
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/01/13 16:08
Container ID: 1132615001-A

Prep Batch: MXX26641
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt /Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of **WQSWB142.3RT**

Client Sample ID: **WQSWB142.3RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615001
Lab Project ID: 1132615

Collection Date: 06/24/13 13:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Turbidity	380		2.00	1.00	NTU	20	06/26/13 06:45

Batch Information

Analytical Batch: WAT9727
Analytical Method: SM21 2130B
Analyst: J.C
Analytical Date/Time: 06/26/13 06:45
Container ID: 1132615001-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Alkalinity	52.0		10.0	3.10	mg/L	1	06/28/13 17:14

Batch Information

Analytical Batch: WTI3849
Analytical Method: SM21 2320B
Analyst: SDP
Analytical Date/Time: 06/28/13 17:14
Container ID: 1132615001-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Conductivity	165		1.00	0.477	umhos/cm	1	06/28/13 17:14

Batch Information

Analytical Batch: WAT9734
Analytical Method: SM21 2510B
Analyst: SDP
Analytical Date/Time: 06/28/13 17:14
Container ID: 1132615001-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Dissolved Solids	136	JH	20.0	6.20	mg/L	1	06/26/13 14:47

Batch Information

Analytical Batch: WAT9728
Analytical Method: SM21 2540C
Analyst: MEV
Analytical Date/Time: 06/26/13 14:47
Container ID: 1132615001-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 100 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of **WQSWB142.3RT**

Client Sample ID: **WQSWB142.3RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615001
Lab Project ID: 1132615

Collection Date: 06/24/13 13:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Date Analyzed
Total Suspended Solids	420	J	10.0	3.00	mg/L	1	06/27/13 14:59

Batch Information

Analytical Batch: STS4103
Analytical Method: SM21 2540D
Analyst: MEV
Analytical Date/Time: 06/27/13 14:59
Container ID: 1132615001-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 1000 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Date Analyzed
pH	7.40		0.100	0.100	pH units	1	06/28/13 17:14

Batch Information

Analytical Batch: WPH6678
Analytical Method: SM21 4500-H B
Analyst: SDP
Analytical Date/Time: 06/28/13 17:14
Container ID: 1132615001-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Date Analyzed
Total Kjeldahl Nitrogen	0.620	U	1.00	0.310	mg/L	1	07/05/13 13:10

Batch Information

Analytical Batch: WDA2881
Analytical Method: SM21 4500-N D
Analyst: CDE
Analytical Date/Time: 07/05/13 13:10
Container ID: 1132615001-E

Prep Batch: WXX9893
Prep Method: METHOD
Prep Date/Time: 07/03/13 08:00
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Date Analyzed
Ammonia-N	0.0591	J	0.100	0.0310	mg/L	1	07/01/13 14:45

Batch Information

Analytical Batch: WDA2874
Analytical Method: SM21 4500-NH3 G
Analyst: AYC
Analytical Date/Time: 07/01/13 14:45
Container ID: 1132615001-E

Prep Batch: WXX9879
Prep Method: METHOD
Prep Date/Time: 07/01/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Date Analyzed
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Results of **WQSWB142.3RT**

Client Sample ID: **WQSWB142.3RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615001
Lab Project ID: 1132615

Collection Date: 06/24/13 13:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Nitrate/Nitrite-N	0.124	U	0.200	0.0620	mg/L	10	06/27/13 12:41

Batch Information

Analytical Batch: WFI2207
Analytical Method: SM21 4500NO3-F
Analyst: AYC
Analytical Date/Time: 06/27/13 12:41
Container ID: 1132615001-E

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Phosphorus	0.572	J+	0.0500	0.0155	mg/L	5	07/03/13 11:51

Batch Information

Analytical Batch: WDA2880
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 07/03/13 11:51
Container ID: 1132615001-E

Prep Batch: WXX9889
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/02/13 11:00
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of WQSWB142.3RB

Client Sample ID: WQSWB142.3RB
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615002
Lab Project ID: 1132615

Collection Date: 06/24/13 13:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals by ICP/MS

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Rows include Arsenic, Barium, Beryllium, Cadmium, Calcium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Thallium, Vanadium, and Zinc. Includes handwritten 'J+' and 'J' marks.

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 10:09
Container ID: 1132615002 B

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt /Vol.: 50 mL
Prep Extract Vol: 10 mL

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Results of WQSWB142.3RB

Client Sample ID: **WQSWB142.3RB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615002
Lab Project ID: 1132615

Collection Date: 06/24/13 13:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	13.6	J-	1.00	0.500	ng/L	1	07/01/13 16:17

Batch Information

Analytical Batch: MCV5337
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/01/13 16:17
Container ID: 1132615002-A

Prep Batch: MXX26641
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of WQSWB142.3RB

Client Sample ID: **WQSWB142.3RB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615002
Lab Project ID: 1132615

Collection Date: 06/24/13 13:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Turbidity	360		2.00	1.00	NTU	20	06/26/13 06:45

Batch Information

Analytical Batch: WAT9727
Analytical Method: SM21 2130B
Analyst: J.C
Analytical Date/Time: 06/26/13 06:45
Container ID: 1132615002-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Alkalinity	51.8		10.0	3.10	mg/L	1	06/28/13 18:14

Batch Information

Analytical Batch: WTI3849
Analytical Method: SM21 2320B
Analyst: SDP
Analytical Date/Time: 06/28/13 18:14
Container ID: 1132615002-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Conductivity	165		1.00	0.477	umhos/cm	1	06/28/13 18:14

Batch Information

Analytical Batch: WAT9734
Analytical Method: SM21 2510B
Analyst: SDP
Analytical Date/Time: 06/28/13 18:14
Container ID: 1132615002-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Dissolved Solids	168	J	20.0	6.20	mg/L	1	06/29/13 11:56

Batch Information

Analytical Batch: WAT9735
Analytical Method: SM21 2540C
Analyst: MEV
Analytical Date/Time: 06/29/13 11:56
Container ID: 1132615002-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 100 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB142.3RB

Client Sample ID: **WQSWB142.3RB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615002
Lab Project ID: 1132615

Collection Date: 06/24/13 13:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	392		10.0	3.00	mg/L	1	06/27/13 14:59

Batch Information

Analytical Batch: STS4103
Analytical Method: SM21 2540D
Analyst: MEV
Analytical Date/Time: 06/27/13 14:59
Container ID: 1132615002-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 1000 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
pH	7.40		0.100	0.100	pH units	1	06/28/13 18:14

Batch Information

Analytical Batch: WPH6678
Analytical Method: SM21 4500-H B
Analyst: SDP
Analytical Date/Time: 06/28/13 18:14
Container ID: 1132615002-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Kjeldahl Nitrogen	0.620	U	1.00	0.310	mg/L	1	07/05/13 13:11

Batch Information

Analytical Batch: WDA2881
Analytical Method: SM21 4500-N D
Analyst: CDE
Analytical Date/Time: 07/05/13 13:11
Container ID: 1132615002-E

Prep Batch: WXX9893
Prep Method: METHOD
Prep Date/Time: 07/03/13 08:00
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Ammonia-N	0.0573	J	0.100	0.0310	mg/L	1	07/01/13 14:48

Batch Information

Analytical Batch: WDA2874
Analytical Method: SM21 4500-NH3 G
Analyst: AYC
Analytical Date/Time: 07/01/13 14:48
Container ID: 1132615002-E

Prep Batch: WXX9879
Prep Method: METHOD
Prep Date/Time: 07/01/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB142.3RB

Client Sample ID: **WQSWB142.3RB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615002
Lab Project ID: 1132615

Collection Date: 06/24/13 13:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Nitrate/Nitrite-N	0.124	U	0.200	0.0620	mg/L	10	06/27/13 12:43

Batch Information

Analytical Batch: WFI2207
Analytical Method: SM21 4500NO3-F
Analyst: AYC
Analytical Date/Time: 06/27/13 12:43
Container ID: 1132615002-E

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Phosphorus	0.647	J+	0.0500	0.0155	mg/L	5	07/03/13 11:52

Batch Information

Analytical Batch: WDA2880
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 07/03/13 11:52
Container ID: 1132615002-E

Prep Batch: WXX9889
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/02/13 11:00
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of WQSWB142.3MT

Client Sample ID: WQSWB142.3MT
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615003
Lab Project ID: 1132615

Collection Date: 06/24/13 14:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals by ICP/MS

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Rows include Arsenic, Barium, Beryllium, Cadmium, Calcium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Thallium, Vanadium, and Zinc.

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 10:11
Container ID: 1132615003-B

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

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Results of **WQSWB142.3MT**

Client Sample ID: **WQSWB142.3MT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615003
Lab Project ID: 1132615

Collection Date: 06/24/13 14:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Metals Department**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	13.5	J-	1.00	0.500	ng/L	1	07/01/13 16:22

Batch Information

Analytical Batch: MCV5337
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/01/13 16:22
Container ID: 1132615003-A

Prep Batch: MXX26641
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Print Date: 07/15/2013 11:02:14AM

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Results of WQSWB142.3MT

Client Sample ID: WQSWB142.3MT
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615003
Lab Project ID: 1132615

Collection Date: 06/24/13 14:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Turbidity, 380, , 2.00, 1.00, NTU, 20, 06/26/13 06:45

Batch Information

Analytical Batch: WAT9727
Analytical Method: SM21 2130B
Analyst: J.C
Analytical Date/Time: 06/26/13 06:45
Container ID: 1132615003-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Alkalinity, 52.1, , 10.0, 3.10, mg/L, 1, 06/28/13 18:22

Batch Information

Analytical Batch: WTI3849
Analytical Method: SM21 2320B
Analyst: SDP
Analytical Date/Time: 06/28/13 18:22
Container ID: 1132615003-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Conductivity, 167, , 1.00, 0.477, umhos/cm, 1, 06/28/13 18:22

Batch Information

Analytical Batch: WAT9734
Analytical Method: SM21 2510B
Analyst: SDP
Analytical Date/Time: 06/28/13 18:22
Container ID: 1132615003-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Total Dissolved Solids, 172, J, 20.0, 6.20, mg/L, 1, 06/29/13 11:56

Batch Information

Analytical Batch: WAT9735
Analytical Method: SM21 2540C
Analyst: MEV
Analytical Date/Time: 06/29/13 11:56
Container ID: 1132615003-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 100 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed

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Results of WQSWB142.3MT

Client Sample ID: **WQSWB142.3MT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615003
Lab Project ID: 1132615

Collection Date: 06/24/13 14:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	396		10.0	3.00	mg/L	1	06/27/13 14:59

Batch Information

Analytical Batch: STS4103
Analytical Method: SM21 2540D
Analyst: MEV
Analytical Date/Time: 06/27/13 14:59
Container ID: 1132615003-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 1000 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
pH	7.40		0.100	0.100	pH units	1	06/28/13 18:22

Batch Information

Analytical Batch: WPH6678
Analytical Method: SM21 4500-H B
Analyst: SDP
Analytical Date/Time: 06/28/13 18:22
Container ID: 1132615003-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Kjeldahl Nitrogen	0.620	U	1.00	0.310	mg/L	1	07/05/13 13:13

Batch Information

Analytical Batch: WDA2881
Analytical Method: SM21 4500-N D
Analyst: CDE
Analytical Date/Time: 07/05/13 13:13
Container ID: 1132615003-E

Prep Batch: WXX9893
Prep Method: METHOD
Prep Date/Time: 07/03/13 08:00
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Ammonia-N	0.0578	J	0.100	0.0310	mg/L	1	07/01/13 14:50

Batch Information

Analytical Batch: WDA2874
Analytical Method: SM21 4500-NH3 G
Analyst: AYC
Analytical Date/Time: 07/01/13 14:50
Container ID: 1132615003-E

Prep Batch: WXX9879
Prep Method: METHOD
Prep Date/Time: 07/01/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB142.3MT

Client Sample ID: WQSWB142.3MT
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615003
Lab Project ID: 1132615

Collection Date: 06/24/13 14:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Total Nitrate/Nitrite-N, 0.248, U, 0.400, 0.124, mg/L, 20, 06/27/13 13:41

Batch Information

Analytical Batch: WFI2207
Analytical Method: SM21 4500NO3-F
Analyst: AYC
Analytical Date/Time: 06/27/13 13:41
Container ID: 1132615003-E

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Total Phosphorus, 0.635, J+, 0.0500, 0.0155, mg/L, 5, 07/03/13 11:54

Batch Information

Analytical Batch: WDA2880
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 07/03/13 11:54
Container ID: 1132615003-E

Prep Batch: WXX9889
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/02/13 11:00
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of WQSWB142.3RD

Client Sample ID: WQSWB142.3RD
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615004
Lab Project ID: 1132615

Collection Date: 06/24/13 13:25
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals by ICP/MS

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Lists various metals like Arsenic, Barium, Beryllium, etc., with their respective values and quality indicators.

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200 8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 10:13
Container ID: 1132615004 B

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol: 50 mL
Prep Extract Vol: 10 mL

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Results of **WQSWB142.3RD**

Client Sample ID: **WQSWB142.3RD**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615004
Lab Project ID: 1132615

Collection Date: 06/24/13 13:25
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Metals Department**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	11.4	J	1.00	0.500	ng/L	1	07/01/13 16:26

Batch Information

Analytical Batch: MCV5337
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/01/13 16:26
Container ID: 1132615004-A

Prep Batch: MXX26641
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of WQSWB142.3RD

Client Sample ID: WQSWB142.3RD
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615004
Lab Project ID: 1132615

Collection Date: 06/24/13 13:25
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Turbidity, 360, , 2.00, 1.00, NTU, 20, 06/26/13 06:45

Batch Information

Analytical Batch: WAT9727
Analytical Method: SM21 2130B
Analyst: J.C
Analytical Date/Time: 06/26/13 06:45
Container ID: 1132615004-C
Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Alkalinity, 47.7, , 10.0, 3.10, mg/L, 1, 06/28/13 19:11

Batch Information

Analytical Batch: WTI3849
Analytical Method: SM21 2320B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:11
Container ID: 1132615004-C
Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Conductivity, 165, , 1.00, 0.477, umhos/cm, 1, 06/28/13 19:11

Batch Information

Analytical Batch: WAT9734
Analytical Method: SM21 2510B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:11
Container ID: 1132615004-C
Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Total Dissolved Solids, 142, J, 20.0, 6.20, mg/L, 1, 06/26/13 14:47

Batch Information

Analytical Batch: WAT9728
Analytical Method: SM21 2540C
Analyst: MEV
Analytical Date/Time: 06/26/13 14:47
Container ID: 1132615004-C
Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 100 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed

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Results of **WQSWB142.3RD**

Client Sample ID: **WQSWB142.3RD**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615004
Lab Project ID: 1132615

Collection Date: 06/24/13 13:25
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	450	J	10.0	3.00	mg/L	1	06/27/13 14:59

Batch Information

Analytical Batch: STS4103
Analytical Method: SM21 2540D
Analyst: MEV
Analytical Date/Time: 06/27/13 14:59
Container ID: 1132615004-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 1000 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
pH	7.30		0.100	0.100	pH units	1	06/28/13 19:11

Batch Information

Analytical Batch: WPH6678
Analytical Method: SM21 4500-H B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:11
Container ID: 1132615004-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Kjeldahl Nitrogen	0.620	U	1.00	0.310	mg/L	1	07/05/13 13:15

Batch Information

Analytical Batch: WDA2881
Analytical Method: SM21 4500-N D
Analyst: CDE
Analytical Date/Time: 07/05/13 13:15
Container ID: 1132615004-E

Prep Batch: WXX9893
Prep Method: METHOD
Prep Date/Time: 07/03/13 08:00
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Ammonia-N	0.0566	J	0.100	0.0310	mg/L	1	07/01/13 14:56

Batch Information

Analytical Batch: WDA2874
Analytical Method: SM21 4500-NH3 G
Analyst: AYC
Analytical Date/Time: 07/01/13 14:56
Container ID: 1132615004-E

Prep Batch: WXX9879
Prep Method: METHOD
Prep Date/Time: 07/01/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of **WQSWB142.3RD**

Client Sample ID: **WQSWB142.3RD**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615004
Lab Project ID: 1132615

Collection Date: 06/24/13 13:25
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Nitrate/Nitrite-N	0.124	U	0.200	0.0620	mg/L	10	06/27/13 12:46

Batch Information

Analytical Batch: WFI2207
Analytical Method: SM21 4500NO3-F
Analyst: AYC
Analytical Date/Time: 06/27/13 12:46
Container ID: 1132615004-E

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Phosphorus	0.592	JT	0.0500	0.0155	mg/L	5	07/03/13 11:55

Batch Information

Analytical Batch: WDA2880
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 07/03/13 11:55
Container ID: 1132615004-E

Prep Batch: WXX9889
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/02/13 11:00
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of WQSWB142.3LT

Client Sample ID: WQSWB142.3LT
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615005
Lab Project ID: 1132615

Collection Date: 06/24/13 14:35
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals by ICP/MS

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Lists various metals like Arsenic, Barium, Beryllium, etc., with their respective values and quality indicators.

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 10:24
Container ID: 1132615005-B

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol.: 10 mL

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Results of WQSWB142.3LT

Client Sample ID: **WQSWB142.3LT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615005
Lab Project ID: 1132615

Collection Date: 06/24/13 14:35
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	11.9	J-	1.00	0.500	ng/L	1	07/01/13 16:59

Batch Information

Analytical Batch: MCV5337
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/01/13 16:59
Container ID: 1132615005-A

Prep Batch: MX26641
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of **WQSWB142.3LT**

Client Sample ID: **WQSWB142.3LT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615005
Lab Project ID: 1132615

Collection Date: 06/24/13 14:35
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Turbidity	300		2.00	1.00	NTU	20	06/26/13 06:45

Batch Information

Analytical Batch: WAT9727
Analytical Method: SM21 2130B
Analyst: J.C
Analytical Date/Time: 06/26/13 06:45
Container ID: 1132615005-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Alkalinity	52.6		10.0	3.10	mg/L	1	06/28/13 19:26

Batch Information

Analytical Batch: WTI3849
Analytical Method: SM21 2320B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:26
Container ID: 1132615005-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Conductivity	167		1.00	0.477	umhos/cm	1	06/28/13 19:26

Batch Information

Analytical Batch: WAT9734
Analytical Method: SM21 2510B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:26
Container ID: 1132615005-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Dissolved Solids	174	J	20.0	6.20	mg/L	1	06/29/13 11:56

Batch Information

Analytical Batch: WAT9735
Analytical Method: SM21 2540C
Analyst: MEV
Analytical Date/Time: 06/29/13 11:56
Container ID: 1132615005-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 100 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB142.3LT

Client Sample ID: **WQSWB142.3LT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615005
Lab Project ID: 1132615

Collection Date: 06/24/13 14:35
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	408		10.0	3.00	mg/L	1	06/27/13 14:59

Batch Information

Analytical Batch: STS4103
Analytical Method: SM21 2540D
Analyst: MEV
Analytical Date/Time: 06/27/13 14:59
Container ID: 1132615005-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 1000 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
pH	7.40		0.100	0.100	pH units	1	06/28/13 19:26

Batch Information

Analytical Batch: WPH6678
Analytical Method: SM21 4500-H B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:26
Container ID: 1132615005-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Kjeldahl Nitrogen	0.620	U	1.00	0.310	mg/L	1	07/05/13 13:16

Batch Information

Analytical Batch: WDA2881
Analytical Method: SM21 4500-N D
Analyst: CDE
Analytical Date/Time: 07/05/13 13:16
Container ID: 1132615005-E

Prep Batch: WXX9893
Prep Method: METHOD
Prep Date/Time: 07/03/13 08:00
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Ammonia-N	0.0619	J	0.100	0.0310	mg/L	1	07/01/13 14:58

Batch Information

Analytical Batch: WDA2874
Analytical Method: SM21 4500-NH3 G
Analyst: AYC
Analytical Date/Time: 07/01/13 14:58
Container ID: 1132615005-E

Prep Batch: WXX9879
Prep Method: METHOD
Prep Date/Time: 07/01/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB142.3LT

Client Sample ID: **WQSWB142.3LT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615005
Lab Project ID: 1132615

Collection Date: 06/24/13 14:35
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Nitrate/Nitrite-N	0.248	U	0.400	0.124	mg/L	20	06/27/13 13:43

Batch Information

Analytical Batch: WFI2207
Analytical Method: SM21 4500NO3-F
Analyst: AYC
Analytical Date/Time: 06/27/13 13:43
Container ID: 1132615005-E

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Phosphorus	0.565	J+	0.0500	0.0155	mg/L	5	07/03/13 11:56

Batch Information

Analytical Batch: WDA2880
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 07/03/13 11:56
Container ID: 1132615005-E

Prep Batch: WXX9889
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/02/13 11:00
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of WQSWB142.3LB

Client Sample ID: WQSWB142.3LB
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615006
Lab Project ID: 1132615

Collection Date: 06/24/13 14:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals by ICP/MS

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Lists various metals like Arsenic, Barium, Beryllium, etc., with their respective values and quality indicators.

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 10:26
Container ID: 1132615006 B

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol.: 10 mL

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Results of WQSWB142.3LB

Client Sample ID: **WQSWB142.3LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615006
Lab Project ID: 1132615

Collection Date: 06/24/13 14:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	15.6	J-	1.00	0.500	ng/L	1	07/01/13 17:04

Batch Information

Analytical Batch: MCV5337
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/01/13 17:04
Container ID: 1132615006-A

Prep Batch: MXX26641
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of WQSWB142.3LB

Client Sample ID: **WQSWB142.3LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615006
Lab Project ID: 1132615

Collection Date: 06/24/13 14:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Turbidity	360		2.00	1.00	NTU	20	06/26/13 06:45

Batch Information

Analytical Batch: WAT9727
Analytical Method: SM21 2130B
Analyst: J.C
Analytical Date/Time: 06/26/13 06:45
Container ID: 1132615006-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Alkalinity	53.4		10.0	3.10	mg/L	1	06/28/13 19:34

Batch Information

Analytical Batch: WTI3849
Analytical Method: SM21 2320B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:34
Container ID: 1132615006-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Conductivity	167		1.00	0.477	umhos/cm	1	06/28/13 19:34

Batch Information

Analytical Batch: WAT9734
Analytical Method: SM21 2510B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:34
Container ID: 1132615006-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Dissolved Solids	172	J	20.0	6.20	mg/L	1	06/29/13 11:56

Batch Information

Analytical Batch: WAT9735
Analytical Method: SM21 2540C
Analyst: MEV
Analytical Date/Time: 06/29/13 11:56
Container ID: 1132615006-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 100 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB142.3LB

Client Sample ID: **WQSWB142.3LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615006
Lab Project ID: 1132615

Collection Date: 06/24/13 14:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	426		10.0	3.00	mg/L	1	06/27/13 14:59

Batch Information

Analytical Batch: STS4103
Analytical Method: SM21 2540D
Analyst: MEV
Analytical Date/Time: 06/27/13 14:59
Container ID: 1132615006-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 1000 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
pH	7.40		0.100	0.100	pH units	1	06/28/13 19:34

Batch Information

Analytical Batch: WPH6678
Analytical Method: SM21 4500-H B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:34
Container ID: 1132615006-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Kjeldahl Nitrogen	0.620	U	1.00	0.310	mg/L	1	07/05/13 13:18

Batch Information

Analytical Batch: WDA2881
Analytical Method: SM21 4500-N D
Analyst: CDE
Analytical Date/Time: 07/05/13 13:18
Container ID: 1132615006-E

Prep Batch: WXX9893
Prep Method: METHOD
Prep Date/Time: 07/03/13 08:00
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Ammonia-N	0.0596	J	0.100	0.0310	mg/L	1	07/01/13 15:00

Batch Information

Analytical Batch: WDA2874
Analytical Method: SM21 4500-NH3 G
Analyst: AYC
Analytical Date/Time: 07/01/13 15:00
Container ID: 1132615006-E

Prep Batch: WXX9879
Prep Method: METHOD
Prep Date/Time: 07/01/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB142.3LB

Client Sample ID: **WQSWB142.3LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615006
Lab Project ID: 1132615

Collection Date: 06/24/13 14:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Nitrate/Nitrite-N	0.124	U	0.200	0.0620	mg/L	10	06/27/13 12:49

Batch Information

Analytical Batch: WFI2207
Analytical Method: SM21 4500NO3-F
Analyst: AYC
Analytical Date/Time: 06/27/13 12:49
Container ID: 1132615006-E

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Phosphorus	0.683	J+	0.0500	0.0155	mg/L	5	07/03/13 11:58

Batch Information

Analytical Batch: WDA2880
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 07/03/13 11:58
Container ID: 1132615006-E

Prep Batch: WXX9889
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/02/13 11:00
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of WQSWB142.3RT

Client Sample ID: **WQSWB142.3RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615007
Lab Project ID: 1132615

Collection Date: 06/24/13 13:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	12.3	J	1.00	0.500	ng/L	1	07/01/13 17:08

Batch Information

Analytical Batch: MCV5337
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/01/13 17:08
Container ID: 1132615007-A

Prep Batch: MXX26641
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of WQSWB142.3RT

Client Sample ID: **WQSWB142.3RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615007
Lab Project ID: 1132615

Collection Date: 06/24/13 13:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals by ICP/MS

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Date Analyzed
Arsenic	1.03	J+	0.500	0.150	ug/L	2.5	07/08/13 10:28
Barium	42.1		0.250	0.0250	ug/L	2.5	07/08/13 10:28
Beryllium	0.0500	U	0.0500	0.0250	ug/L	2.5	07/08/13 10:28
Cadmium	0.0300	U	0.0500	0.0150	ug/L	2.5	07/08/13 10:28
Calcium	20000		50.0	15.0	ug/L	2.5	07/08/13 10:28
Cobalt	0.201	J	0.0200	0.0100	ug/L	2.5	07/08/13 10:28
Copper	0.659		0.500	0.0500	ug/L	2.5	07/08/13 10:28
Iron	42.6	J+	20.0	6.20	ug/L	2.5	07/08/13 10:28
Lead	0.0620	U	0.100	0.0310	ug/L	2.5	07/08/13 10:28
Magnesium	2490		20.0	6.20	ug/L	2.5	07/08/13 10:28
Manganese	2.90		0.0500	0.0150	ug/L	2.5	07/08/13 10:28
Molybdenum	1.42		0.0500	0.0150	ug/L	2.5	07/08/13 10:28
Nickel	1.46		0.620	0.0620	ug/L	2.5	07/08/13 10:28
Thallium	0.0160	J	0.0200	0.00620	ug/L	2.5	07/08/13 10:28
Vanadium	0.349	J	1.00	0.310	ug/L	2.5	07/08/13 10:28
Zinc	0.693	J	3.10	0.400	ug/L	2.5	07/08/13 10:28

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 10:28
Container ID: 1132615007-A

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Date Analyzed
Hardness as CaCO3	60.3		1.00	1.00	mg/L	2.5	07/08/13 10:28

Batch Information

Analytical Batch: MMS8044
Analytical Method: SM21 2340B
Analyst: HKS
Analytical Date/Time: 07/08/13 10:28
Container ID: 1132615007-A

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

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Results of WQSWB142.3RT

Client Sample ID: **WQSWB142.3RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615007
Lab Project ID: 1132615

Collection Date: 06/24/13 13:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Organic Carbon,Dissolved	0.880		0.500	0.150	mg/L	1	07/03/13 21:10

Batch Information

Analytical Batch: WTC2239
Analytical Method: SM 5310B
Analyst: KJO
Analytical Date/Time: 07/03/13 21:10
Container ID: 1132615007-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 30 mL
Prep Extract Vol: 30 mL

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Results of WQSWB142.3RT

Client Sample ID: **WQSWB142.3RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615007
Lab Project ID: 1132615

Collection Date: 06/24/13 13:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department Dissolved

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Soluble Reactive Phosphorus	0.00390	J	0.0100	0.00310	mg/L	1	06/26/13 11:06

Batch Information

Analytical Batch: WDA2864
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 06/26/13 11:06
Container ID: 1132615007-C

Prep Batch: WXX9868
Prep Method: SM21 4500P-B,E Diss
Prep Date/Time: 06/26/13 09:30
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of WQSWB142.3RB

Client Sample ID: **WQSWB142.3RB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615008
Lab Project ID: 1132615

Collection Date: 06/24/13 13:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	0.883	J	1.00	0.500	ng/L	1	07/01/13 17:12

Batch Information

Analytical Batch: MCV5337
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/01/13 17:12
Container ID: 1132615008-B

Prep Batch: MXX26641
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of WQSWB142.3RB

Client Sample ID: WQSWB142.3RB
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615008
Lab Project ID: 1132615

Collection Date: 06/24/13 13:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals by ICP/MS

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Rows include Arsenic, Barium, Beryllium, Cadmium, Calcium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Thallium, Vanadium, Zinc.

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 10:30
Container ID: 1132615008-A

Prep Batch: MX226645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row: Hardness as CaCO3

Batch Information

Analytical Batch: MMS8044
Analytical Method: SM21 2340B
Analyst: HKS
Analytical Date/Time: 07/08/13 10:30
Container ID: 1132615008-A

Prep Batch: MX226645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

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Results of WQSWB142.3RB

Client Sample ID: **WQSWB142.3RB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615008
Lab Project ID: 1132615

Collection Date: 06/24/13 13:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Organic Carbon,Dissolved	0.872		0.500	0.150	mg/L	1	07/03/13 21:23

Batch Information

Analytical Batch: WTC2239
Analytical Method: SM 5310B
Analyst: KJO
Analytical Date/Time: 07/03/13 21:23
Container ID: 1132615008-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 30 mL
Prep Extract Vol: 30 mL

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Results of WQSWB142.3RB

Client Sample ID: **WQSWB142.3RB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615008
Lab Project ID: 1132615

Collection Date: 06/24/13 13:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department Dissolved

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Soluble Reactive Phosphorus	0.00370	J	0.0100	0.00310	mg/L	1	06/26/13 11:11

Batch Information

Analytical Batch: WDA2864
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 06/26/13 11:11
Container ID: 1132615008-C

Prep Batch: WXX9868
Prep Method: SM21 4500P-B,E Diss
Prep Date/Time: 06/26/13 09:30
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

DJK
1/23/14

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Results of WQSWB142.3MT

Client Sample ID: **WQSWB142.3MT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615009
Lab Project ID: 1132615

Collection Date: 06/24/13 14:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>	
Mercury	0.582	J	1.00	4J	0.500	ng/L	1	07/01/13 17:21

Batch Information

Analytical Batch: MCV5337
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/01/13 17:21
Container ID: 1132615009-B

Prep Batch: MXX26641
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

DJL
1/23/14

Print Date: 07/15/2013 11:02:14AM

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Results of WQSWB142.3MT

Client Sample ID: **WQSWB142.3MT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615009
Lab Project ID: 1132615

Collection Date: 06/24/13 14:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	1.04	J+	0.500	0.150	ug/L	2.5	07/08/13 10:32
Barium	44.3		0.250	0.0250	ug/L	2.5	07/08/13 10:32
Beryllium	0.0500	U	0.0500	0.0250	ug/L	2.5	07/08/13 10:32
Cadmium	0.0182	J	0.0500	0.0150	ug/L	2.5	07/08/13 10:32
Calcium	21100		50.0	15.0	ug/L	2.5	07/08/13 10:32
Cobalt	0.106		0.0200	0.0100	ug/L	2.5	07/08/13 10:32
Copper	0.735		0.500	0.0500	ug/L	2.5	07/08/13 10:32
Iron	34.4	J+	20.0	6.20	ug/L	2.5	07/08/13 10:32
Lead	0.0620	U	0.100	0.0310	ug/L	2.5	07/08/13 10:32
Magnesium	2560		20.0	6.20	ug/L	2.5	07/08/13 10:32
Manganese	2.61		0.0500	0.0150	ug/L	2.5	07/08/13 10:32
Molybdenum	1.51		0.0500	0.0150	ug/L	2.5	07/08/13 10:32
Nickel	1.41		0.620	0.0620	ug/L	2.5	07/08/13 10:32
Thallium	0.0128	J	0.0200	0.00620	ug/L	2.5	07/08/13 10:32
Vanadium	0.482	J	1.00	0.310	ug/L	2.5	07/08/13 10:32
Zinc	0.631	J	3.10	0.400	ug/L	2.5	07/08/13 10:32

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 10:32
Container ID: 1132615009-A

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Hardness as CaCO3	63.3		1.00	1.00	mg/L	2.5	07/08/13 10:32

Batch Information

Analytical Batch: MMS8044
Analytical Method: SM21 2340B
Analyst: HKS
Analytical Date/Time: 07/08/13 10:32
Container ID: 1132615009-A

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

DJL
4/23/14

Print Date: 07/15/2013 11:02:14AM

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Results of **WQSWB142.3MT**

Client Sample ID: **WQSWB142.3MT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615009
Lab Project ID: 1132615

Collection Date: 06/24/13 14:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Organic Carbon,Dissolved	0.882		0.500	0.150	mg/L	1	07/03/13 21:36

Batch Information

Analytical Batch: WTC2239
Analytical Method: SM 5310B
Analyst: KJO
Analytical Date/Time: 07/03/13 21:36
Container ID: 1132615009-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 30 mL
Prep Extract Vol: 30 mL

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Results of WQSWB142.3MT

Client Sample ID: **WQSWB142.3MT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615009
Lab Project ID: 1132615

Collection Date: 06/24/13 14:00
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department Dissolved

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Soluble Reactive Phosphorus	0.00450	J	0.0100	0.00310	mg/L	1	06/26/13 11:12

Batch Information

Analytical Batch: WDA2864
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 06/26/13 11:12
Container ID: 1132615009-C

Prep Batch: WXX9868
Prep Method: SM21 4500P-B,E Diss
Prep Date/Time: 06/26/13 09:30
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of **WQSWB142.3RD**

Client Sample ID: **WQSWB142.3RD**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615010
Lab Project ID: 1132615

Collection Date: 06/24/13 13:25
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Dissolved Metals**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	0.619	J	1.00	0.500	ng/L	1	07/01/13 17:26

Batch Information

Analytical Batch: MCV5337
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/01/13 17:26
Container ID: 1132615010-B

Prep Batch: MXX26641
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

DJK
1/23/14

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Results of WQSWB142.3RD

Client Sample ID: WQSWB142.3RD
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615010
Lab Project ID: 1132615

Collection Date: 06/24/13 13:25
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals by ICP/MS

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Lists various metals like Arsenic, Barium, Beryllium, etc.

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 10:34
Container ID: 1132615010-A

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Shows Hardness as CaCO3.

Batch Information

Analytical Batch: MMS8044
Analytical Method: SM21 2340B
Analyst: HKS
Analytical Date/Time: 07/08/13 10:34
Container ID: 1132615010-A

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

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Results of WQSWB142.3RD

Client Sample ID: **WQSWB142.3RD**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615010
Lab Project ID: 1132615

Collection Date: 06/24/13 13:25
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Organic Carbon,Dissolved	0.935		0.500	0.150	mg/L	1	07/03/13 22:22

Batch Information

Analytical Batch: WTC2239
Analytical Method: SM 5310B
Analyst: KJO
Analytical Date/Time: 07/03/13 22:22
Container ID: 1132615010-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 30 mL
Prep Extract Vol: 30 mL

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Results of WQSWB142.3RD

Client Sample ID: **WQSWB142.3RD**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615010
Lab Project ID: 1132615

Collection Date: 06/24/13 13:25
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department Dissolved

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Soluble Reactive Phosphorus	0.00620	U J	0.0100	0.00310	mg/L	1	06/26/13 11:13

Batch Information

Analytical Batch: WDA2864
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 06/26/13 11:13
Container ID: 1132615010-C

Prep Batch: WXX9868
Prep Method: SM21 4500P-B,E Diss
Prep Date/Time: 06/26/13 09:30
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

DNL
1/23/14

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Results of WQSWB142.3LT

Client Sample ID: **WQSWB142.3LT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615011
Lab Project ID: 1132615

Collection Date: 06/24/13 14:35
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	0.526	J	1.00 <i>4J</i>	0.500	ng/L	1	07/01/13 17:30

Batch Information

Analytical Batch: MCV5337
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/01/13 17:30
Container ID: 1132615011-B

Prep Batch: MXX26641
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

*DDK
1/23/14*

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Results of WQSWB142.3LT

Client Sample ID: WQSWB142.3LT
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615011
Lab Project ID: 1132615

Collection Date: 06/24/13 14:35
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals by ICP/MS

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Rows include Arsenic, Barium, Beryllium, Cadmium, Calcium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Thallium, Vanadium, Zinc.

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 10:36
Container ID: 1132615011-A

Prep Batch: MX226645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row: Hardness as CaCO3.

Batch Information

Analytical Batch: MMS8044
Analytical Method: SM21 2340B
Analyst: HKS
Analytical Date/Time: 07/08/13 10:36
Container ID: 1132615011-A

Prep Batch: MX226645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

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Results of WQSWB142.3LT

Client Sample ID: **WQSWB142.3LT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615011
Lab Project ID: 1132615

Collection Date: 06/24/13 14:35
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Organic Carbon,Dissolved	0.897		0.500	0.150	mg/L	1	07/03/13 22:38

Batch Information

Analytical Batch: WTC2239
Analytical Method: SM 5310B
Analyst: KJO
Analytical Date/Time: 07/03/13 22:38
Container ID: 1132615011-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 30 mL
Prep Extract Vol: 30 mL

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Results of **WQSWB142.3LT**

Client Sample ID: **WQSWB142.3LT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615011
Lab Project ID: 1132615

Collection Date: 06/24/13 14:35
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Waters Department Dissolved**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Soluble Reactive Phosphorus	0.00620	U	0.0100	0.00310	mg/L	1	06/26/13 11:58

Batch Information

Analytical Batch: WDA2864
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 06/26/13 11:58
Container ID: 1132615011-C

Prep Batch: WXX9868
Prep Method: SM21 4500P-B,E Diss
Prep Date/Time: 06/26/13 09:30
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of WQSWB142.3LB

Client Sample ID: **WQSWB142.3LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615012
Lab Project ID: 1132615

Collection Date: 06/24/13 14:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>	
Mercury	0.647	J	1.00	45	0.500	ng/L	1	07/01/13 18:05

Batch Information

Analytical Batch: MCV5337
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/01/13 18:05
Container ID: 1132615012-B

Prep Batch: MXX26641
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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1/23/14

Print Date: 07/15/2013 11:02:14AM

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Results of WQSWB142.3LB

Client Sample ID: **WQSWB142.3LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615012
Lab Project ID: 1132615

Collection Date: 06/24/13 14:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	1.24	J+	0.500	0.150	ug/L	2.5	07/08/13 10:38
Barium	47.9		0.250	0.0250	ug/L	2.5	07/08/13 10:38
Beryllium	0.0500	U	0.0500	0.0250	ug/L	2.5	07/08/13 10:38
Cadmium	0.0156	J	0.0500	0.0150	ug/L	2.5	07/08/13 10:38
Calcium	21900		50.0	15.0	ug/L	2.5	07/08/13 10:38
Cobalt	0.263		0.0200	0.0100	ug/L	2.5	07/08/13 10:38
Copper	0.795		0.500	0.0500	ug/L	2.5	07/08/13 10:38
Iron	120	J+	20.0	6.20	ug/L	2.5	07/08/13 10:38
Lead	0.0408	J	0.100	0.0310	ug/L	2.5	07/08/13 10:38
Magnesium	2730		20.0	6.20	ug/L	2.5	07/08/13 10:38
Manganese	4.08		0.0500	0.0150	ug/L	2.5	07/08/13 10:38
Molybdenum	1.50		0.0500	0.0150	ug/L	2.5	07/08/13 10:38
Nickel	1.65		0.620	0.0620	ug/L	2.5	07/08/13 10:38
Thallium	0.0179	J	0.0200	0.00620	ug/L	2.5	07/08/13 10:38
Vanadium	0.655	J	1.00	0.310	ug/L	2.5	07/08/13 10:38
Zinc	1.09	J	3.10	0.400	ug/L	2.5	07/08/13 10:38

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 10:38
Container ID: 1132615012-A

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Hardness as CaCO3	66.1		1.00	1.00	mg/L	2.5	07/08/13 10:38

Batch Information

Analytical Batch: MMS8044
Analytical Method: SM21 2340B
Analyst: HKS
Analytical Date/Time: 07/08/13 10:38
Container ID: 1132615012-A

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

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Results of WQSWB142.3LB

Client Sample ID: **WQSWB142.3LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615012
Lab Project ID: 1132615

Collection Date: 06/24/13 14:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Organic Carbon,Dissolved	0.916		0.500	0.150	mg/L	1	07/03/13 22:51

Batch Information

Analytical Batch: WTC2239
Analytical Method: SM 5310B
Analyst: KJO
Analytical Date/Time: 07/03/13 22:51
Container ID: 1132615012-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 30 mL
Prep Extract Vol: 30 mL

DNL
1/23/14

Print Date: 07/15/2013 11:02:14AM

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Results of WQSWB142.3LB

Client Sample ID: **WQSWB142.3LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615012
Lab Project ID: 1132615

Collection Date: 06/24/13 14:45
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department Dissolved

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Soluble Reactive Phosphorus	0.00370	J	0.0100	0.00310	mg/L	1	06/26/13 11:59

Batch Information

Analytical Batch: WDA2864
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 06/26/13 11:59
Container ID: 1132615012-C

Prep Batch: WXX9868
Prep Method: SM21 4500P-B,E Diss
Prep Date/Time: 06/26/13 09:30
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

DTL
1/23/14

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Results of WQSWB118.6LT

Client Sample ID: WQSWB118.6LT
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615013
Lab Project ID: 1132615

Collection Date: 06/24/13 15:15
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals by ICP/MS

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Lists various metals like Arsenic, Barium, Beryllium, etc., with their respective results and quality indicators.

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 10:40
Container ID: 1132615013 B

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

DJK
1/23/14

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Results of WQSWB118.6LT

Client Sample ID: **WQSWB118.6LT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615013
Lab Project ID: 1132615

Collection Date: 06/24/13 15:15
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	52.6		1.00	0.500	ng/L	1	07/01/13 18:10

Batch Information

Analytical Batch: MCV5337
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/01/13 18:10
Container ID: 1132615013-A

Prep Batch: MXX26641
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

RTK
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Results of WQSWB118.6LT

Client Sample ID: WQSWB118.6LT
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615013
Lab Project ID: 1132615

Collection Date: 06/24/13 15:15
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Turbidity, 680, , 2.00, 1.00, NTU, 20, 06/26/13 06:45

Batch Information

Analytical Batch: WAT9727
Analytical Method: SM21 2130B
Analyst: J.C
Analytical Date/Time: 06/26/13 06:45
Container ID: 1132615013-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Alkalinity, 47.9, , 10.0, 3.10, mg/L, 1, 06/28/13 19:41

Batch Information

Analytical Batch: WTI3849
Analytical Method: SM21 2320B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:41
Container ID: 1132615013-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Conductivity, 152, , 1.00, 0.477, umhos/cm, 1, 06/28/13 19:41

Batch Information

Analytical Batch: WAT9734
Analytical Method: SM21 2510B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:41
Container ID: 1132615013-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Total Dissolved Solids, 166, J, 20.0, 6.20, mg/L, 1, 06/29/13 11:56

Batch Information

Analytical Batch: WAT9735
Analytical Method: SM21 2540C
Analyst: MEV
Analytical Date/Time: 06/29/13 11:56
Container ID: 1132615013-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 100 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed

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Results of WQSWB118.6LT

Client Sample ID: **WQSWB118.6LT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615013
Lab Project ID: 1132615

Collection Date: 06/24/13 15:15
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	1020		10.0	3.00	mg/L	1	06/27/13 14:59

Batch Information

Analytical Batch: STS4103
Analytical Method: SM21 2540D
Analyst: MEV
Analytical Date/Time: 06/27/13 14:59
Container ID: 1132615013-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 1000 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
pH	7.40		0.100	0.100	pH units	1	06/28/13 19:41

Batch Information

Analytical Batch: WPH6678
Analytical Method: SM21 4500-H B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:41
Container ID: 1132615013-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Kjeldahl Nitrogen	0.436	J	1.00	0.310	mg/L	1	07/05/13 13:20

Batch Information

Analytical Batch: WDA2881
Analytical Method: SM21 4500-N B
Analyst: CDE
Analytical Date/Time: 07/05/13 13:20
Container ID: 1132615013-E

Prep Batch: WXX9893
Prep Method: METHOD
Prep Date/Time: 07/03/13 08:00
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Ammonia-N	0.106		0.100	0.0310	mg/L	1	07/01/13 15:02

Batch Information

Analytical Batch: WDA2874
Analytical Method: SM21 4500-NH3 G
Analyst: AYC
Analytical Date/Time: 07/01/13 15:02
Container ID: 1132615013-E

Prep Batch: WXX9879
Prep Method: METHOD
Prep Date/Time: 07/01/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB118.6LT

Client Sample ID: **WQSWB118.6LT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615013
Lab Project ID: 1132615

Collection Date: 06/24/13 15:15
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Nitrate/Nitrite-N	0.124	U	0.200	0.0620	mg/L	10	06/27/13 12:50

Batch Information

Analytical Batch: WFI2207
Analytical Method: SM21 4500NO3-F
Analyst: AYC
Analytical Date/Time: 06/27/13 12:50
Container ID: 1132615013-E

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Phosphorus	1.37	J+	0.0500	0.0155	mg/L	5	07/03/13 12:02

Batch Information

Analytical Batch: WDA2880
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 07/03/13 12:02
Container ID: 1132615013-E

Prep Batch: WXX9889
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/02/13 11:00
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of WQSWB118.6LB

Client Sample ID: WQSWB118.6LB
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615014
Lab Project ID: 1132615

Collection Date: 06/24/13 14:40
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals by ICP/MS

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Lists various metals like Arsenic, Barium, Beryllium, etc., with their respective values and analysis dates.

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 09:59
Container ID: 1132615014 B

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

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Results of WQSWB118.6LB

Client Sample ID: **WQSWB118.6LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615014
Lab Project ID: 1132615

Collection Date: 06/24/13 14:40
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	54.5		1.00	0.500	ng/L	1	07/01/13 18:14

Batch Information

Analytical Batch: MCV5337
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/01/13 18:14
Container ID: 1132615014-A

Prep Batch: MXX26641
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

DJL
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Results of WQSWB118.6LB

Client Sample ID: **WQSWB118.6LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615014
Lab Project ID: 1132615

Collection Date: 06/24/13 14:40
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Turbidity	780		2.00	1.00	NTU	20	06/26/13 06:45

Batch Information

Analytical Batch: WAT9727
Analytical Method: SM21 2130B
Analyst: J.C
Analytical Date/Time: 06/26/13 06:45
Container ID: 1132615014-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Alkalinity	47.4		10.0	3.10	mg/L	1	06/28/13 15:58

Batch Information

Analytical Batch: WTI3849
Analytical Method: SM21 2320B
Analyst: SDP
Analytical Date/Time: 06/28/13 15:58
Container ID: 1132615014-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Conductivity	153		1.00	0.477	umhos/cm	1	06/28/13 15:58

Batch Information

Analytical Batch: WAT9734
Analytical Method: SM21 2510B
Analyst: SDP
Analytical Date/Time: 06/28/13 15:58
Container ID: 1132615014-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Dissolved Solids	162	J	20.0	6.20	mg/L	1	06/29/13 11:56

Batch Information

Analytical Batch: WAT9735
Analytical Method: SM21 2540C
Analyst: MEV
Analytical Date/Time: 06/29/13 11:56
Container ID: 1132615014-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 100 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB118.6LB

Client Sample ID: **WQSWB118.6LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615014
Lab Project ID: 1132615

Collection Date: 06/24/13 14:40
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	986		10.0	3.00	mg/L	1	06/27/13 14:59

Batch Information

Analytical Batch: STS4103
Analytical Method: SM21 2540D
Analyst: MEV
Analytical Date/Time: 06/27/13 14:59
Container ID: 1132615014-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 1000 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
pH	7.40		0.100	0.100	pH units	1	06/28/13 15:58

Batch Information

Analytical Batch: WPH6678
Analytical Method: SM21 4500-H B
Analyst: SDP
Analytical Date/Time: 06/28/13 15:58
Container ID: 1132615014-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Kjeldahl Nitrogen	0.605	J	1.00	0.310	mg/L	1	07/05/13 13:22

Batch Information

Analytical Batch: WDA2881
Analytical Method: SM21 4500-N D
Analyst: CDE
Analytical Date/Time: 07/05/13 13:22
Container ID: 1132615014-E

Prep Batch: WXX9893
Prep Method: METHOD
Prep Date/Time: 07/03/13 08:00
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Ammonia-N	0.105		0.100	0.0310	mg/L	1	07/01/13 15:04

Batch Information

Analytical Batch: WDA2874
Analytical Method: SM21 4500-NH3 G
Analyst: AYC
Analytical Date/Time: 07/01/13 15:04
Container ID: 1132615014-E

Prep Batch: WXX9879
Prep Method: METHOD
Prep Date/Time: 07/01/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB118.6LB

Client Sample ID: **WQSWB118.6LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615014
Lab Project ID: 1132615

Collection Date: 06/24/13 14:40
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Nitrate/Nitrite-N	0.248	U	0.400	0.124	mg/L	20	07/02/13 12:57

Batch Information

Analytical Batch: WFI2208
Analytical Method: SM21 4500NO3-F
Analyst: AYC
Analytical Date/Time: 07/02/13 12:57
Container ID: 1132615014-E

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Phosphorus	1.63	J+	0.0500	0.0155	mg/L	5	07/03/13 12:03

Batch Information

Analytical Batch: WDA2880
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 07/03/13 12:03
Container ID: 1132615014-E

Prep Batch: WXX9889
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/02/13 11:00
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

*DTL
4/23/14*

Print Date: 07/15/2013 11:02 14AM

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Results of WQSWB118.6MT

Client Sample ID: **WQSWB118.6MT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615018
Lab Project ID: 1132615

Collection Date: 06/24/13 14:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	31.5	J	0.500	0.150	ug/L	2.5	07/08/13 10:41
Barium	462		0.250	0.0250	ug/L	2.5	07/08/13 10:41
Beryllium	0.724		0.0500	0.0250	ug/L	2.5	07/08/13 10:41
Cadmium	0.519		0.0500	0.0150	ug/L	2.5	07/08/13 10:41
Calcium	23200		50.0	15.0	ug/L	2.5	07/08/13 10:41
Cobalt	19.9		0.0200	0.0100	ug/L	2.5	07/08/13 10:41
Copper	55.5	H	0.500	0.0500	ug/L	2.5	07/08/13 10:41
Iron	47100		1600	496	ug/L	200	07/08/13 11:29
Lead	14.4	J	0.100	0.0310	ug/L	2.5	07/08/13 10:41
Magnesium	14400		20.0	6.20	ug/L	2.5	07/08/13 10:41
Manganese	941		0.0500	0.0150	ug/L	2.5	07/08/13 10:41
Molybdenum	2.04		0.0500	0.0150	ug/L	2.5	07/08/13 10:41
Nickel	68.0		0.620	0.0620	ug/L	2.5	07/08/13 10:41
Thallium	0.483		0.0200	0.00620	ug/L	2.5	07/08/13 10:41
Vanadium	80.9	J	1.00	0.310	ug/L	2.5	07/08/13 10:41
Zinc	167	J	3.10	0.400	ug/L	2.5	07/08/13 10:41

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 10:41
Container ID: 1132615018 B

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

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Results of WQSWB118.6MT

Client Sample ID: **WQSWB118.6MT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615018
Lab Project ID: 1132615

Collection Date: 06/24/13 14:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	40.2		1.00	0.500	ng/L	1	07/02/13 13:08

Batch Information

Analytical Batch: MCV5338
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/02/13 13:08
Container ID: 1132615018-A

Prep Batch: MXX26647
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of **WQSWB118.6MT**

Client Sample ID: **WQSWB118.6MT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615018
Lab Project ID: 1132615

Collection Date: 06/24/13 14:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Turbidity	900		2.00	1.00	NTU	20	06/26/13 06:45

Batch Information

Analytical Batch: WAT9727
Analytical Method: SM21 2130B
Analyst: J.C
Analytical Date/Time: 06/26/13 06:45
Container ID: 1132615018-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Alkalinity	45.8		10.0	3.10	mg/L	1	06/28/13 19:48

Batch Information

Analytical Batch: WT13849
Analytical Method: SM21 2320B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:48
Container ID: 1132615018-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Conductivity	139		1.00	0.477	umhos/cm	1	06/28/13 19:48

Batch Information

Analytical Batch: WAT9734
Analytical Method: SM21 2510B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:48
Container ID: 1132615018-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Dissolved Solids	164	J	20.0	6.20	mg/L	1	06/29/13 11:56

Batch Information

Analytical Batch: WAT9735
Analytical Method: SM21 2540C
Analyst: MEV
Analytical Date/Time: 06/29/13 11:56
Container ID: 1132615018-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 100 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB118.6MT

Client Sample ID: **WQSWB118.6MT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615018
Lab Project ID: 1132615

Collection Date: 06/24/13 14:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	872		10.0	3.00	mg/L	1	06/27/13 14:59

Batch Information

Analytical Batch: STS4103
Analytical Method: SM21 2540D
Analyst: MEV
Analytical Date/Time: 06/27/13 14:59
Container ID: 1132615018-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 1000 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
pH	7.40		0.100	0.100	pH units	1	06/28/13 19:48

Batch Information

Analytical Batch: WPH6678
Analytical Method: SM21 4500-H B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:48
Container ID: 1132615018-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Kjeldahl Nitrogen	0.550	J	1.00	0.310	mg/L	1	07/05/13 13:30

Batch Information

Analytical Batch: WDA2881
Analytical Method: SM21 4500-N D
Analyst: CDE
Analytical Date/Time: 07/05/13 13:30
Container ID: 1132615018-E

Prep Batch: WXX9893
Prep Method: METHOD
Prep Date/Time: 07/03/13 08:00
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Ammonia-N	0.0719	J	0.100	0.0310	mg/L	1	07/01/13 15:21

Batch Information

Analytical Batch: WDA2874
Analytical Method: SM21 4500-NH3 G
Analyst: AYC
Analytical Date/Time: 07/01/13 15:21
Container ID: 1132615018-E

Prep Batch: WXX9880
Prep Method: METHOD
Prep Date/Time: 07/01/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB118.6MT

Client Sample ID: **WQSWB118.6MT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615018
Lab Project ID: 1132615

Collection Date: 06/24/13 14:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Nitrate/Nitrite-N	0.124	U	0.200	0.0620	mg/L	10	06/27/13 13:04

Batch Information

Analytical Batch: WFI2207
Analytical Method: SM21 4500NO3-F
Analyst: AYC
Analytical Date/Time: 06/27/13 13:04
Container ID: 1132615018-E

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Phosphorus	1.38	J+	0.0500	0.0155	mg/L	5	07/03/13 12:07

Batch Information

Analytical Batch: WDA2880
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 07/03/13 12:07
Container ID: 1132615018-E

Prep Batch: WXX9889
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/02/13 11:00
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of **WQSWB118.6MB**

Client Sample ID: **WQSWB118.6MB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615019
Lab Project ID: 1132615

Collection Date: 06/24/13 13:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Date Analyzed
Arsenic	32.2	J	0.500	0.150	ug/L	2.5	07/08/13 11:07
Barium	503		20.0	2.00	ug/L	200	07/08/13 11:31
Beryllium	0.812		0.0500	0.0250	ug/L	2.5	07/08/13 11:07
Cadmium	0.651		0.0500	0.0150	ug/L	2.5	07/08/13 11:07
Calcium	28900		50.0	15.0	ug/L	2.5	07/08/13 11:07
Cobalt	21.1		0.0200	0.0100	ug/L	2.5	07/08/13 11:07
Copper	59.7	J	0.500	0.0500	ug/L	2.5	07/08/13 11:07
Iron	43300		1600	496	ug/L	200	07/08/13 11:31
Lead	16.4	J	0.100	0.0310	ug/L	2.5	07/08/13 11:07
Magnesium	14600		20.0	6.20	ug/L	2.5	07/08/13 11:07
Manganese	1060		0.0500	0.0150	ug/L	2.5	07/08/13 11:07
Molybdenum	1.94		0.0500	0.0150	ug/L	2.5	07/08/13 11:07
Nickel	70.2		0.620	0.0620	ug/L	2.5	07/08/13 11:07
Thallium	0.482		0.0200	0.00620	ug/L	2.5	07/08/13 11:07
Vanadium	82.6		1.00	0.310	ug/L	2.5	07/08/13 11:07
Zinc	172	J	3.10	0.400	ug/L	2.5	07/08/13 11:07

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200 8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 11:07
Container ID: 1132615019.B

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol.: 10 mL

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Results of WQSWB118.6MB

Client Sample ID: **WQSWB118.6MB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615019
Lab Project ID: 1132615

Collection Date: 06/24/13 13:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	49.9		1.00	0.500	ng/L	1	07/02/13 13:13

Batch Information

Analytical Batch: MCV5338
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/02/13 13:13
Container ID: 1132615019-A

Prep Batch: MXX26647
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of WQSWB118.6MB

Client Sample ID: **WQSWB118.6MB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615019
Lab Project ID: 1132615

Collection Date: 06/24/13 13:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Turbidity	800		2.00	1.00	NTU	20	06/26/13 06:45

Batch Information

Analytical Batch: WAT9727
Analytical Method: SM21 2130B
Analyst: J.C
Analytical Date/Time: 06/26/13 06:45
Container ID: 1132615019-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Alkalinity	47.7		10.0	3.10	mg/L	1	06/28/13 19:56

Batch Information

Analytical Batch: WTI3849
Analytical Method: SM21 2320B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:56
Container ID: 1132615019-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Conductivity	145		1.00	0.477	umhos/cm	1	06/28/13 19:56

Batch Information

Analytical Batch: WAT9734
Analytical Method: SM21 2510B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:56
Container ID: 1132615019-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Dissolved Solids	110	J+	20.0	6.20	mg/L	1	06/26/13 14:47

Batch Information

Analytical Batch: WAT9728
Analytical Method: SM21 2540C
Analyst: MEV
Analytical Date/Time: 06/26/13 14:47
Container ID: 1132615019-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 100 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB118.6MB

Client Sample ID: **WQSWB118.6MB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615019
Lab Project ID: 1132615

Collection Date: 06/24/13 13:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	1060		10.0	3.00	mg/L	1	06/27/13 14:59

Batch Information

Analytical Batch: STS4103
Analytical Method: SM21 2540D
Analyst: MEV
Analytical Date/Time: 06/27/13 14:59
Container ID: 1132615019-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 1000 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
pH	7.40		0.100	0.100	pH units	1	06/28/13 19:56

Batch Information

Analytical Batch: WPH6678
Analytical Method: SM21 4500-H B
Analyst: SDP
Analytical Date/Time: 06/28/13 19:56
Container ID: 1132615019-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Kjeldahl Nitrogen	0.348	J	1.00	0.310	mg/L	1	07/05/13 13:32

Batch Information

Analytical Batch: WDA2881
Analytical Method: SM21 4500-N D
Analyst: CDE
Analytical Date/Time: 07/05/13 13:32
Container ID: 1132615019-E

Prep Batch: WXX9893
Prep Method: METHOD
Prep Date/Time: 07/03/13 08:00
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Ammonia-N	0.0984	J	0.100	0.0310	mg/L	1	07/01/13 15:27

Batch Information

Analytical Batch: WDA2874
Analytical Method: SM21 4500-NH3 G
Analyst: AYC
Analytical Date/Time: 07/01/13 15:27
Container ID: 1132615019-E

Prep Batch: WXX9880
Prep Method: METHOD
Prep Date/Time: 07/01/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB118.6MB

Client Sample ID: **WQSWB118.6MB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615019
Lab Project ID: 1132615

Collection Date: 06/24/13 13:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Nitrate/Nitrite-N	0.124	U	0.200	0.0620	mg/L	10	06/27/13 13:05

Batch Information

Analytical Batch: WFI2207
Analytical Method: SM21 4500NO3-F
Analyst: AYC
Analytical Date/Time: 06/27/13 13:05
Container ID: 1132615019-E

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Phosphorus	1.77	J+	0.0500	0.0155	mg/L	5	07/03/13 12:08

Batch Information

Analytical Batch: WDA2880
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 07/03/13 12:08
Container ID: 1132615019-E

Prep Batch: WXX9889
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/02/13 11:00
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of WQSWB118.6RT

Client Sample ID: WQSWB118.6RT
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615020
Lab Project ID: 1132615

Collection Date: 06/24/13 12:30
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals by ICP/MS

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Lists various metals like Arsenic, Barium, Beryllium, etc., with their respective values and quality indicators.

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 11:09
Container ID: 1132615020 B

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt /Vol.: 50 mL
Prep Extract Vol: 10 mL

Handwritten signature: DJK 1/23/14



Results of WQSWB118.6RT

Client Sample ID: **WQSWB118.6RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615020
Lab Project ID: 1132615

Collection Date: 06/24/13 12:30
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	38.8		1.00	0.500	ng/L	1	07/02/13 13:17

Batch Information

Analytical Batch: MCV5338
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/02/13 13:17
Container ID: 1132615020-A

Prep Batch: MXX26647
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

Print Date: 07/15/2013 11:02:14AM

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Results of WQSWB118.6RT

Client Sample ID: **WQSWB118.6RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615020
Lab Project ID: 1132615

Collection Date: 06/24/13 12:30
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Turbidity	900		2.00	1.00	NTU	20	06/26/13 06:45

Batch Information

Analytical Batch: WAT9727
Analytical Method: SM21 2130B
Analyst: J.C
Analytical Date/Time: 06/26/13 06:45
Container ID: 1132615020-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Alkalinity	43.6		10.0	3.10	mg/L	1	06/28/13 20:03

Batch Information

Analytical Batch: WTI3849
Analytical Method: SM21 2320B
Analyst: SDP
Analytical Date/Time: 06/28/13 20:03
Container ID: 1132615020-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Conductivity	129		1.00	0.477	umhos/cm	1	06/28/13 20:03

Batch Information

Analytical Batch: WAT9734
Analytical Method: SM21 2510B
Analyst: SDP
Analytical Date/Time: 06/28/13 20:03
Container ID: 1132615020-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Dissolved Solids	100	J	20.0	6.20	mg/L	1	06/26/13 14:47

Batch Information

Analytical Batch: WAT9728
Analytical Method: SM21 2540C
Analyst: MEV
Analytical Date/Time: 06/26/13 14:47
Container ID: 1132615020-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 100 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB118.6RT

Client Sample ID: **WQSWB118.6RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615020
Lab Project ID: 1132615

Collection Date: 06/24/13 12:30
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	1170		10.0	3.00	mg/L	1	06/27/13 14:59

Batch Information

Analytical Batch: STS4103
Analytical Method: SM21 2540D
Analyst: MEV
Analytical Date/Time: 06/27/13 14:59
Container ID: 1132615020-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 1000 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
pH	7.40		0.100	0.100	pH units	1	06/28/13 20:03

Batch Information

Analytical Batch: WPH6678
Analytical Method: SM21 4500-H B
Analyst: SDP
Analytical Date/Time: 06/28/13 20:03
Container ID: 1132615020-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Kjeldahl Nitrogen	0.462	J	1.00	0.310	mg/L	1	07/05/13 13:34

Batch Information

Analytical Batch: WDA2881
Analytical Method: SM21 4500-N D
Analyst: CDE
Analytical Date/Time: 07/05/13 13:34
Container ID: 1132615020-E

Prep Batch: WXX9893
Prep Method: METHOD
Prep Date/Time: 07/03/13 08:00
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Ammonia-N	0.0917	J	0.100	0.0310	mg/L	1	07/01/13 15:29

Batch Information

Analytical Batch: WDA2874
Analytical Method: SM21 4500-NH3 G
Analyst: AYC
Analytical Date/Time: 07/01/13 15:29
Container ID: 1132615020-E

Prep Batch: WXX9880
Prep Method: METHOD
Prep Date/Time: 07/01/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of **WQSWB118.6RT**

Client Sample ID: **WQSWB118.6RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615020
Lab Project ID: 1132615

Collection Date: 06/24/13 12:30
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Waters Department**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Nitrate/Nitrite-N	0.124	U	0.200	0.0620	mg/L	10	06/27/13 13:07

Batch Information

Analytical Batch: WFI2207
Analytical Method: SM21 4500NO3-F
Analyst: AYC
Analytical Date/Time: 06/27/13 13:07
Container ID: 1132615020-E

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Phosphorus	1.34	J+	0.0500	0.0155	mg/L	5	07/03/13 12:10

Batch Information

Analytical Batch: WDA2880
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 07/03/13 12:10
Container ID: 1132615020-E

Prep Batch: WXX9889
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/02/13 11:00
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of **WQSWB118.6RB**

Client Sample ID: **WQSWB118.6RB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615021
Lab Project ID: 1132615

Collection Date: 06/24/13 11:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Date Analyzed
Arsenic	35.5	J-	0.500	0.150	ug/L	2.5	07/08/13 11:11
Barium	682		20.0	2.00	ug/L	200	07/08/13 11:35
Beryllium	0.892		0.0500	0.0250	ug/L	2.5	07/08/13 11:11
Cadmium	0.655		0.0500	0.0150	ug/L	2.5	07/08/13 11:11
Calcium	27200		50.0	15.0	ug/L	2.5	07/08/13 11:11
Cobalt	22.8		0.0200	0.0100	ug/L	2.5	07/08/13 11:11
Copper	64.0	J	0.500	0.0500	ug/L	2.5	07/08/13 11:11
Iron	50600		1600	496	ug/L	200	07/08/13 11:35
Lead	17.5	J	0.100	0.0310	ug/L	2.5	07/08/13 11:11
Magnesium	15300		20.0	6.20	ug/L	2.5	07/08/13 11:11
Manganese	1130		4.00	1.20	ug/L	200	07/08/13 11:35
Molybdenum	1.95		0.0500	0.0150	ug/L	2.5	07/08/13 11:11
Nickel	75.1		0.620	0.0620	ug/L	2.5	07/08/13 11:11
Thallium	0.594		0.0200	0.00620	ug/L	2.5	07/08/13 11:11
Vanadium	91.7		1.00	0.310	ug/L	2.5	07/08/13 11:11
Zinc	191	J	3.10	0.400	ug/L	2.5	07/08/13 11:11

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200 8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 11:11
Container ID: 1132615021-B

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol.: 10 mL

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Results of WQSWB118.6RB

Client Sample ID: **WQSWB118.6RB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615021
Lab Project ID: 1132615

Collection Date: 06/24/13 11:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	46.8		1.00	0.500	ng/L	1	07/02/13 13:21

Batch Information

Analytical Batch: MCV5338
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/02/13 13:21
Container ID: 1132615021-A

Prep Batch: MXX26647
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of WQSWB118.6RB

Client Sample ID: **WQSWB118.6RB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615021
Lab Project ID: 1132615

Collection Date: 06/24/13 11:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Turbidity	800		2.00	1.00	NTU	20	06/26/13 06:45

Batch Information

Analytical Batch: WAT9727
Analytical Method: SM21 2130B
Analyst: J.C
Analytical Date/Time: 06/26/13 06:45
Container ID: 1132615021-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Alkalinity	44.8		10.0	3.10	mg/L	1	06/28/13 20:11

Batch Information

Analytical Batch: WTI3849
Analytical Method: SM21 2320B
Analyst: SDP
Analytical Date/Time: 06/28/13 20:11
Container ID: 1132615021-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Conductivity	132		1.00	0.477	umhos/cm	1	06/28/13 20:11

Batch Information

Analytical Batch: WAT9734
Analytical Method: SM21 2510B
Analyst: SDP
Analytical Date/Time: 06/28/13 20:11
Container ID: 1132615021-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Dissolved Solids	98.0	J+	20.0	6.20	mg/L	1	06/26/13 14:47

Batch Information

Analytical Batch: WAT9728
Analytical Method: SM21 2540C
Analyst: MEV
Analytical Date/Time: 06/26/13 14:47
Container ID: 1132615021-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 100 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB118.6RB

Client Sample ID: **WQSWB118.6RB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615021
Lab Project ID: 1132615

Collection Date: 06/24/13 11:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	894		10.0	3.00	mg/L	1	06/27/13 14:59

Batch Information

Analytical Batch: STS4103
Analytical Method: SM21 2540D
Analyst: MEV
Analytical Date/Time: 06/27/13 14:59
Container ID: 1132615021-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 1000 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
pH	7.40		0.100	0.100	pH units	1	06/28/13 20:11

Batch Information

Analytical Batch: WPH6678
Analytical Method: SM21 4500-H B
Analyst: SDP
Analytical Date/Time: 06/28/13 20:11
Container ID: 1132615021-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Kjeldahl Nitrogen	0.528	J	1.00	0.310	mg/L	1	07/05/13 13:35

Batch Information

Analytical Batch: WDA2881
Analytical Method: SM21 4500-N D
Analyst: CDE
Analytical Date/Time: 07/05/13 13:35
Container ID: 1132615021-E

Prep Batch: WXX9893
Prep Method: METHOD
Prep Date/Time: 07/03/13 08:00
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Ammonia-N	0.105		0.100	0.0310	mg/L	1	07/01/13 15:31

Batch Information

Analytical Batch: WDA2874
Analytical Method: SM21 4500-NH3 G
Analyst: AYC
Analytical Date/Time: 07/01/13 15:31
Container ID: 1132615021-E

Prep Batch: WXX9880
Prep Method: METHOD
Prep Date/Time: 07/01/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB118.6RB

Client Sample ID: **WQSWB118.6RB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615021
Lab Project ID: 1132615

Collection Date: 06/24/13 11:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Nitrate/Nitrite-N	0.124	U	0.200	0.0620	mg/L	10	06/27/13 13:08

Batch Information

Analytical Batch: WFI2207
Analytical Method: SM21 4500NO3-F
Analyst: AYC
Analytical Date/Time: 06/27/13 13:08
Container ID: 1132615021-E

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Phosphorus	1.71	JF	0.0500	0.0155	mg/L	5	07/03/13 12:18

Batch Information

Analytical Batch: WDA2880
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 07/03/13 12:18
Container ID: 1132615021-E

Prep Batch: WXX9890
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/02/13 11:00
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of **WQSWB118.6FB**

Client Sample ID: **WQSWB118.6FB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615022
Lab Project ID: 1132615

Collection Date: 06/24/13 13:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Date Analyzed
Arsenic	0.300	U J	0.500	0.150	ug/L	2.5	07/08/13 11:21
Barium	0.0500	U	0.250	0.0250	ug/L	2.5	07/08/13 11:21
Beryllium	0.0500	U	0.0500	0.0250	ug/L	2.5	07/08/13 11:21
Cadmium	0.0300	U	0.0500	0.0150	ug/L	2.5	07/08/13 11:21
Calcium	30.0	U	50.0	15.0	ug/L	2.5	07/08/13 11:21
Cobalt	0.0200	U	0.0200	0.0100	ug/L	2.5	07/08/13 11:21
Copper	0.194	J	0.500	0.0500	ug/L	2.5	07/08/13 11:21
Iron	7.07	J	20.0	6.20	ug/L	2.5	07/08/13 11:21
Lead	0.0620	U J	0.100	0.0310	ug/L	2.5	07/08/13 11:21
Magnesium	12.4	U	20.0	6.20	ug/L	2.5	07/08/13 11:21
Manganese	0.0557		0.0500	0.0150	ug/L	2.5	07/08/13 11:21
Molybdenum	0.0300	U	0.0500	0.0150	ug/L	2.5	07/08/13 11:21
Nickel	0.124	U	0.620	0.0620	ug/L	2.5	07/08/13 11:21
Thallium	0.0124	U	0.0200	0.00620	ug/L	2.5	07/08/13 11:21
Vanadium	0.620	U	1.00	0.310	ug/L	2.5	07/08/13 11:21
Zinc	7.89	J	3.10	0.400	ug/L	2.5	07/08/13 11:21

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 11:21
Container ID: 1132615022 B

Prep Batch: MXX26645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19 39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol.: 10 mL

DJL
1/23/14



Results of WQSWB118.6FB

Client Sample ID: **WQSWB118.6FB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615022
Lab Project ID: 1132615

Collection Date: 06/24/13 13:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Metals Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	0.585	J	1.00	0.500	ng/L	1	07/02/13 13:26

Batch Information

Analytical Batch: MCV5338
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/02/13 13:26
Container ID: 1132615022-A

Prep Batch: MXX26647
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of WQSWB118.6FB

Client Sample ID: WQSWB118.6FB
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615022
Lab Project ID: 1132615

Collection Date: 06/24/13 13:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Turbidity, 0.350, J+, 0.100, 0.0500, NTU, 1, 06/26/13 06:45

Batch Information

Analytical Batch: WAT9727
Analytical Method: SM21 2130B
Analyst: J C
Analytical Date/Time: 06/26/13 06:45
Container ID: 1132615022-C
Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt /Vol: 1 mL
Prep Extract Vol: 1 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Alkalinity, 6.20, U, 10.0, 3.10, mg/L, 1, 06/28/13 20:18

Batch Information

Analytical Batch: W113849
Analytical Method: SM21 2320B
Analyst: SDP
Analytical Date/Time: 06/28/13 20:18
Container ID: 1132615022-C
Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt /Vol: 50 mL
Prep Extract Vol: 50 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Conductivity, 1.10, J+, 1.00, 0.477, umhos/cm, 1, 06/28/13 20:18

Batch Information

Analytical Batch: WAT9734
Analytical Method: SM21 2510B
Analyst: SDP
Analytical Date/Time: 06/28/13 20:18
Container ID: 1132615022-C
Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt /Vol: 1 mL
Prep Extract Vol: 1 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row 1: Total Dissolved Solids, 15.0, J, 10.0, 3.10, mg/L, 1, 06/29/13 11:56

Batch Information

Analytical Batch: WAT9735
Analytical Method: SM21 2540C
Analyst: MEV
Analytical Date/Time: 06/29/13 11:56
Container ID: 1132615022-C
Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt /Vol: 100 mL
Prep Extract Vol: 100 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed

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Results of WQSWB118.6FB

Client Sample ID: **WQSWB118.6FB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615022
Lab Project ID: 1132615

Collection Date: 06/24/13 13:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Suspended Solids	1.50		0.500	0.150	mg/L	1	06/27/13 14:59

Batch Information

Analytical Batch: STS4103
Analytical Method: SM21 2540D
Analyst: MEV
Analytical Date/Time: 06/27/13 14:59
Container ID: 1132615022-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1000 mL
Prep Extract Vol: 1000 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
pH	5.60		0.100	0.100	pH units	1	06/28/13 20:18

Batch Information

Analytical Batch: WPH6678
Analytical Method: SM21 4500-H B
Analyst: SDP
Analytical Date/Time: 06/28/13 20:18
Container ID: 1132615022-C

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 1 mL
Prep Extract Vol: 1 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Kjeldahl Nitrogen	0.620	U	1.00	0.310	mg/L	1	07/05/13 13:37

Batch Information

Analytical Batch: WDA2881
Analytical Method: SM21 4500-N D
Analyst: CDE
Analytical Date/Time: 07/05/13 13:37
Container ID: 1132615022-E

Prep Batch: WXX9893
Prep Method: METHOD
Prep Date/Time: 07/03/13 08:00
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Ammonia-N	0.0620	U	0.100	0.0310	mg/L	1	07/01/13 15:33

Batch Information

Analytical Batch: WDA2874
Analytical Method: SM21 4500-NH3 G
Analyst: AYC
Analytical Date/Time: 07/01/13 15:33
Container ID: 1132615022-E

Prep Batch: WXX9880
Prep Method: METHOD
Prep Date/Time: 07/01/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
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Results of WQSWB118.6FB

Client Sample ID: **WQSWB118.6FB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615022
Lab Project ID: 1132615

Collection Date: 06/24/13 13:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Nitrate/Nitrite-N	0.114	J	0.200	0.0620	mg/L	10	06/27/13 13:10

Batch Information

Analytical Batch: WFI2207
Analytical Method: SM21 4500NO3-F
Analyst: AYC
Analytical Date/Time: 06/27/13 13:10
Container ID: 1132615022-E

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Phosphorus	0.00430	J	0.0100	0.00310	mg/L	1	07/03/13 13:29

Batch Information

Analytical Batch: WDA2880
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 07/03/13 13:29
Container ID: 1132615022-E

Prep Batch: WXX9890
Prep Method: SM21 4500P-B,E
Prep Date/Time: 07/02/13 11:00
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol.: 25 mL

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Results of WQSWB118.6LT

Client Sample ID: **WQSWB118.6LT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615023
Lab Project ID: 1132615

Collection Date: 06/24/13 15:15
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	0.607	J	1.00	0.500	ng/L	1	07/02/13 13:30

Batch Information

Analytical Batch: MCV5338
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/02/13 13:30
Container ID: 1132615023-A

Prep Batch: MXX26647
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of WQSWB118.6LT

Client Sample ID: WQSWB118.6LT
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615023
Lab Project ID: 1132615

Collection Date: 06/24/13 15:15
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals by ICP/MS

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Rows include Arsenic, Barium, Beryllium, Cadmium, Calcium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Thallium, Vanadium, Zinc.

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 11:23
Container ID: 1132615023-B

Prep Batch: MX226645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row: Hardness as CaCO3, 63.9, U, 1.00, 1.00, mg/L, 2.5, 07/08/13 11:23

Batch Information

Analytical Batch: MMS8044
Analytical Method: SM21 2340B
Analyst: HKS
Analytical Date/Time: 07/08/13 11:23
Container ID: 1132615023-B

Prep Batch: MX226645
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:39
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

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Results of WQSWB118.6LT

Client Sample ID: **WQSWB118.6LT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615023
Lab Project ID: 1132615

Collection Date: 06/24/13 15:15
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Organic Carbon,Dissolved	0.359	J	0.500	0.150	mg/L	1	07/03/13 23:04

Batch Information

Analytical Batch: WTC2239
Analytical Method: SM 5310B
Analyst: KJO
Analytical Date/Time: 07/03/13 23:04
Container ID: 1132615023-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 30 mL
Prep Extract Vol: 30 mL

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Results of WQSWB118.6LT

Client Sample ID: **WQSWB118.6LT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615023
Lab Project ID: 1132615

Collection Date: 06/24/13 15:15
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department Dissolved

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Soluble Reactive Phosphorus	0.00320	J	0.0100	0.00310	mg/L	1	06/26/13 12:00

Batch Information

Analytical Batch: WDA2864
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 06/26/13 12:00
Container ID: 1132615023-C

Prep Batch: WXX9868
Prep Method: SM21 4500P-B,E Diss
Prep Date/Time: 06/26/13 09:30
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of WQSWB118.6LB

Client Sample ID: **WQSWB118.6LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615024
Lab Project ID: 1132615

Collection Date: 06/24/13 14:40
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	0.575	J	1.00	0.500	ng/L	1	07/02/13 13:48

Batch Information

Analytical Batch: MCV5338
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/02/13 13:48
Container ID: 1132615024-A

Prep Batch: MXX26647
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of WQSWB118.6LB

Client Sample ID: **WQSWB118.6LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615024
Lab Project ID: 1132615

Collection Date: 06/24/13 14:40
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	1.49	J+	0.500	0.150	ug/L	2.5	07/08/13 11:51
Barium	16.9		0.250	0.0250	ug/L	2.5	07/08/13 11:51
Beryllium	0.0500	U	0.0500	0.0250	ug/L	2.5	07/08/13 11:51
Cadmium	0.0300	U	0.0500	0.0150	ug/L	2.5	07/08/13 11:51
Calcium	18000		50.0	15.0	ug/L	2.5	07/08/13 11:51
Cobalt	0.170		0.0200	0.0100	ug/L	2.5	07/08/13 11:51
Copper	0.380	J	0.500	0.0500	ug/L	2.5	07/08/13 11:51
Iron	80.1	J+	20.0	6.20	ug/L	2.5	07/08/13 11:51
Lead	0.0345	J	0.100	0.0310	ug/L	2.5	07/08/13 11:51
Magnesium	3890		20.0	6.20	ug/L	2.5	07/08/13 11:51
Manganese	5.38		0.0500	0.0150	ug/L	2.5	07/08/13 11:51
Molybdenum	1.33		0.0500	0.0150	ug/L	2.5	07/08/13 11:51
Nickel	0.968		0.620	0.0620	ug/L	2.5	07/08/13 11:51
Thallium	0.0105	J	0.0200	0.00620	ug/L	2.5	07/08/13 11:51
Vanadium	0.435	J	1.00	0.310	ug/L	2.5	07/08/13 11:51
Zinc	0.900	J	3.10	0.400	ug/L	2.5	07/08/13 11:51

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 11:51
Container ID: 1132615024-B

Prep Batch: MXX26646
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:38
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Hardness as CaCO3	61.1		1.00	1.00	mg/L	2.5	07/08/13 11:51

Batch Information

Analytical Batch: MMS8044
Analytical Method: SM21 2340B
Analyst: HKS
Analytical Date/Time: 07/08/13 11:51
Container ID: 1132615024-B

Prep Batch: MXX26646
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:38
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

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Results of WQSWB118.6LB

Client Sample ID: **WQSWB118.6LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615024
Lab Project ID: 1132615

Collection Date: 06/24/13 14:40
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Organic Carbon,Dissolved	0.313	J	0.500	0.150	mg/L	1	07/03/13 23:17

Batch Information

Analytical Batch: WTC2239
Analytical Method: SM 5310B
Analyst: KJO
Analytical Date/Time: 07/03/13 23:17
Container ID: 1132615024-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 30 mL
Prep Extract Vol: 30 mL

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Results of WQSWB118.6LB

Client Sample ID: **WQSWB118.6LB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615024
Lab Project ID: 1132615

Collection Date: 06/24/13 14:40
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department Dissolved

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Soluble Reactive Phosphorus	0.00310	J	0.0100	0.00310	mg/L	1	06/26/13 12:01

Batch Information

Analytical Batch: WDA2864
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 06/26/13 12:01
Container ID: 1132615024-C

Prep Batch: WXX9868
Prep Method: SM21 4500P-B,E Diss
Prep Date/Time: 06/26/13 09:30
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of WQSWB118.6MT

Client Sample ID: **WQSWB118.6MT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615025
Lab Project ID: 1132615

Collection Date: 06/24/13 14:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	0.563	J	1.00	0.500	ng/L	1	07/02/13 13:39

Batch Information

Analytical Batch: MCV5338
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/02/13 13:39
Container ID: 1132615025-A

Prep Batch: MXX26647
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of WQSWB118.6MT

Client Sample ID: WQSWB118.6MT
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615025
Lab Project ID: 1132615

Collection Date: 06/24/13 14:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals by ICP/MS

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Rows include Arsenic, Barium, Beryllium, Cadmium, Calcium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Thallium, Vanadium, Zinc.

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 11:58
Container ID: 1132615025-B

Prep Batch: MXX26646
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:38
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row: Hardness as CaCO3, 58.4, 1.00, 1.00, mg/L, 2.5, 07/08/13 11:58

Batch Information

Analytical Batch: MMS8044
Analytical Method: SM21 2340B
Analyst: HKS
Analytical Date/Time: 07/08/13 11:58
Container ID: 1132615025-B

Prep Batch: MXX26646
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:38
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

DJL
1/23/14

Print Date: 07/15/2013 11:02:14AM

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Results of WQSWB118.6MT

Client Sample ID: **WQSWB118.6MT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615025
Lab Project ID: 1132615

Collection Date: 06/24/13 14:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Organic Carbon,Dissolved	0.374	J	0.500	0.150	mg/L	1	07/04/13 00:00

Batch Information

Analytical Batch: WTC2239
Analytical Method: SM 5310B
Analyst: KJO
Analytical Date/Time: 07/04/13 00:00
Container ID: 1132615025-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 30 mL
Prep Extract Vol: 30 mL

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Results of **WQSWB118.6MT**

Client Sample ID: **WQSWB118.6MT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615025
Lab Project ID: 1132615

Collection Date: 06/24/13 14:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by **Waters Department Dissolved**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Soluble Reactive Phosphorus	0.00620	U	0.0100	0.00310	mg/L	1	06/26/13 12:02

Batch Information

Analytical Batch: WDA2864
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 06/26/13 12:02
Container ID: 1132615025-C

Prep Batch: WXX9868
Prep Method: SM21 4500P-B,E Diss
Prep Date/Time: 06/26/13 09:30
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Print Date: 07/15/2013 11:02:14AM

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Results of WQSWB118.6MB

Client Sample ID: **WQSWB118.6MB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615026
Lab Project ID: 1132615

Collection Date: 06/24/13 13:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	0.874	J	1.00	0.500	ng/L	1	07/02/13 13:44

Batch Information

Analytical Batch: MCV5338
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/02/13 13:44
Container ID: 1132615026-A

Prep Batch: MXX26647
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of WQSWB118.6MB

Client Sample ID: **WQSWB118.6MB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615026
Lab Project ID: 1132615

Collection Date: 06/24/13 13:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	1.94	J+	0.500	0.150	ug/L	2.5	07/08/13 12:00
Barium	16.7		0.250	0.0250	ug/L	2.5	07/08/13 12:00
Beryllium	0.0500	U	0.0500	0.0250	ug/L	2.5	07/08/13 12:00
Cadmium	0.0300	U	0.0500	0.0150	ug/L	2.5	07/08/13 12:00
Calcium	17600		50.0	15.0	ug/L	2.5	07/08/13 12:00
Cobalt	0.294		0.0200	0.0100	ug/L	2.5	07/08/13 12:00
Copper	0.450	J	0.500	0.0500	ug/L	2.5	07/08/13 12:00
Iron	88.4	J+	20.0	6.20	ug/L	2.5	07/08/13 12:00
Lead	0.0454	J	0.100	0.0310	ug/L	2.5	07/08/13 12:00
Magnesium	3750		20.0	6.20	ug/L	2.5	07/08/13 12:00
Manganese	6.18		0.0500	0.0150	ug/L	2.5	07/08/13 12:00
Molybdenum	1.41		0.0500	0.0150	ug/L	2.5	07/08/13 12:00
Nickel	1.03		0.620	0.0620	ug/L	2.5	07/08/13 12:00
Thallium	0.00838	J	0.0200	0.00620	ug/L	2.5	07/08/13 12:00
Vanadium	0.423	J	1.00	0.310	ug/L	2.5	07/08/13 12:00
Zinc	1.19	J	3.10	0.400	ug/L	2.5	07/08/13 12:00

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 12:00
Container ID: 1132615026-B

Prep Batch: MXX26646
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:38
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Hardness as CaCO3	59.4		1.00	1.00	mg/L	2.5	07/08/13 12:00

Batch Information

Analytical Batch: MMS8044
Analytical Method: SM21 2340B
Analyst: HKS
Analytical Date/Time: 07/08/13 12:00
Container ID: 1132615026-B

Prep Batch: MXX26646
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:38
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

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Results of WQSWB118.6MB

Client Sample ID: **WQSWB118.6MB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615026
Lab Project ID: 1132615

Collection Date: 06/24/13 13:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Organic Carbon,Dissolved	0.379	J	0.500	0.150	mg/L	1	07/04/13 00:15

Batch Information

Analytical Batch: WTC2239
Analytical Method: SM 5310B
Analyst: KJO
Analytical Date/Time: 07/04/13 00:15
Container ID: 1132615026-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 30 mL
Prep Extract Vol: 30 mL

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Results of WQSWB118.6MB

Client Sample ID: **WQSWB118.6MB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615026
Lab Project ID: 1132615

Collection Date: 06/24/13 13:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department Dissolved

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Soluble Reactive Phosphorus	0.00320	J	0.0100	0.00310	mg/L	1	06/26/13 12:05

Batch Information

Analytical Batch: WDA2864
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 06/26/13 12:05
Container ID: 1132615026-C

Prep Batch: WXX9868
Prep Method: SM21 4500P-B,E Diss
Prep Date/Time: 06/26/13 09:30
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Print Date: 07/15/2013 11:02:14AM

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Results of WQSWB118.6RT

Client Sample ID: **WQSWB118.6RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615027
Lab Project ID: 1132615

Collection Date: 06/24/13 12:30
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	0.705	J	1.00	0.500	ng/L	1	07/02/13 14:10

Batch Information

Analytical Batch: MCV5338
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/02/13 14:10
Container ID: 1132615027-A

Prep Batch: MXX26647
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

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Results of WQSWB118.6RT

Client Sample ID: **WQSWB118.6RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615027
Lab Project ID: 1132615

Collection Date: 06/24/13 12:30
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	1.76	J+	0.500	0.150	ug/L	2.5	07/08/13 12:02
Barium	15.4		0.250	0.0250	ug/L	2.5	07/08/13 12:02
Beryllium	0.0500	U	0.0500	0.0250	ug/L	2.5	07/08/13 12:02
Cadmium	0.0300	U	0.0500	0.0150	ug/L	2.5	07/08/13 12:02
Calcium	15800		50.0	15.0	ug/L	2.5	07/08/13 12:02
Cobalt	0.146		0.0200	0.0100	ug/L	2.5	07/08/13 12:02
Copper	0.518		0.500	0.0500	ug/L	2.5	07/08/13 12:02
Iron	107	J+	20.0	6.20	ug/L	2.5	07/08/13 12:02
Lead	0.0489	J	0.100	0.0310	ug/L	2.5	07/08/13 12:02
Magnesium	3140		20.0	6.20	ug/L	2.5	07/08/13 12:02
Manganese	6.86		0.0500	0.0150	ug/L	2.5	07/08/13 12:02
Molybdenum	1.42		0.0500	0.0150	ug/L	2.5	07/08/13 12:02
Nickel	1.11		0.620	0.0620	ug/L	2.5	07/08/13 12:02
Thallium	0.00780	J	0.0200	0.00620	ug/L	2.5	07/08/13 12:02
Vanadium	0.394	J	1.00	0.310	ug/L	2.5	07/08/13 12:02
Zinc	1.45	J	3.10	0.400	ug/L	2.5	07/08/13 12:02

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 12:02
Container ID: 1132615027-B

Prep Batch: MXX26646
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:38
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Hardness as CaCO3	52.4		1.00	1.00	mg/L	2.5	07/08/13 12:02

Batch Information

Analytical Batch: MMS8044
Analytical Method: SM21 2340B
Analyst: HKS
Analytical Date/Time: 07/08/13 12:02
Container ID: 1132615027-B

Prep Batch: MXX26646
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:38
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

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Results of WQSWB118.6RT

Client Sample ID: **WQSWB118.6RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615027
Lab Project ID: 1132615

Collection Date: 06/24/13 12:30
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Organic Carbon,Dissolved	0.228	J	0.500	0.150	mg/L	1	07/04/13 00:29

Batch Information

Analytical Batch: WTC2239
Analytical Method: SM 5310B
Analyst: KJO
Analytical Date/Time: 07/04/13 00:29
Container ID: 1132615027-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 30 mL
Prep Extract Vol: 30 mL

*DTL
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Results of WQSWB118.6RT

Client Sample ID: **WQSWB118.6RT**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615027
Lab Project ID: 1132615

Collection Date: 06/24/13 12:30
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department Dissolved

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Soluble Reactive Phosphorus	0.00440	J	0.0100	0.00310	mg/L	1	06/26/13 12:05

Batch Information

Analytical Batch: WDA2864
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 06/26/13 12:05
Container ID: 1132615027-C

Prep Batch: WXX9868
Prep Method: SM21 4500P-B,E Diss
Prep Date/Time: 06/26/13 09:30
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

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Results of WQSWB118.6RB

Client Sample ID: **WQSWB118.6RB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615028
Lab Project ID: 1132615

Collection Date: 06/24/13 11:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	0.637	J	1.00	0.500	ng/L	1	07/02/13 14:15

Batch Information

Analytical Batch: MCV5338
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/02/13 14:15
Container ID: 1132615028-A

Prep Batch: MXX26647
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

DJL
1/23/14

Print Date: 07/15/2013 11:02:14AM

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Results of WQSWB118.6RB

Client Sample ID: WQSWB118.6RB
Client Project ID: AEA Susitna Monthly Waters
Lab Sample ID: 1132615028
Lab Project ID: 1132615

Collection Date: 06/24/13 11:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals by ICP/MS

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Rows include Arsenic, Barium, Beryllium, Cadmium, Calcium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Thallium, Vanadium, and Zinc.

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 12:04
Container ID: 1132615028-B

Prep Batch: MX26646
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:38
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

Table with 8 columns: Parameter, Result, Qual, LOQ/CL, DL, Units, DF, Date Analyzed. Row: Hardness as CaCO3

Batch Information

Analytical Batch: MMS8044
Analytical Method: SM21 2340B
Analyst: HKS
Analytical Date/Time: 07/08/13 12:04
Container ID: 1132615028-B

Prep Batch: MX26646
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:38
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

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Print Date: 07/15/2013 11:02:14AM

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Results of WQSWB118.6RB

Client Sample ID: **WQSWB118.6RB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615028
Lab Project ID: 1132615

Collection Date: 06/24/13 11:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>	
Total Organic Carbon, Dissolved	0.329	J	0.500	u	0.150	mg/L	1	07/08/13 11:50

Batch Information

Analytical Batch: WTC2240
Analytical Method: SM 5310B
Analyst: KJO
Analytical Date/Time: 07/08/13 11:50
Container ID: 1132615028-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 30 mL
Prep Extract Vol: 30 mL

DJL
11/23/14

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Results of WQSWB118.6RB

Client Sample ID: **WQSWB118.6RB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615028
Lab Project ID: 1132615

Collection Date: 06/24/13 11:50
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department Dissolved

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Soluble Reactive Phosphorus	0.00460	J	0.0100	0.00310	mg/L	1	06/26/13 11:10

Batch Information

Analytical Batch: WDA2864
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 06/26/13 11:10
Container ID: 1132615028-C

Prep Batch: WXX9868
Prep Method: SM21 4500P-B,E Diss
Prep Date/Time: 06/26/13 09:30
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

DOL
1/23/14

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Results of WQSWB118.6FB

Client Sample ID: **WQSWB118.6FB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615029
Lab Project ID: 1132615

Collection Date: 06/24/13 13:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Mercury	-0.701	d	1.00	0.500	ng/L	1	07/02/13 14:19

Batch Information

Analytical Batch: MCV5338
Analytical Method: EPA 1631 E
Analyst: RTS
Analytical Date/Time: 07/02/13 14:19
Container ID: 1132615029-A

Prep Batch: MXX26647
Prep Method: METHOD
Prep Date/Time: 06/27/13 12:30
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL

DTL
11/23/14

Print Date: 07/15/2013 11:02:14AM

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Results of WQSWB118.6FB

Client Sample ID: **WQSWB118.6FB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615029
Lab Project ID: 1132615

Collection Date: 06/24/13 13:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	0.271	J	0.500	0.150	ug/L	2.5	07/08/13 12:52
Barium	0.0382	J	0.250	0.0250	ug/L	2.5	07/08/13 12:52
Beryllium	0.0500	U	0.0500	0.0250	ug/L	2.5	07/08/13 12:52
Cadmium	0.0300	U	0.0500	0.0150	ug/L	2.5	07/08/13 12:52
Calcium	30.0	U	50.0	15.0	ug/L	2.5	07/08/13 12:52
Cobalt	0.0200	U	0.0200	0.0100	ug/L	2.5	07/08/13 12:52
Copper	0.100	U	0.500	0.0500	ug/L	2.5	07/08/13 12:52
Iron	17.9	J	20.0	6.20	ug/L	2.5	07/08/13 12:52
Lead	0.0620	U	0.100	0.0310	ug/L	2.5	07/08/13 12:52
Magnesium	12.4	U	20.0	6.20	ug/L	2.5	07/08/13 12:52
Manganese	0.0220	J	0.0500	0.0150	ug/L	2.5	07/08/13 12:52
Molybdenum	0.0300	U	0.0500	0.0150	ug/L	2.5	07/08/13 12:52
Nickel	0.124	U	0.620	0.0620	ug/L	2.5	07/08/13 12:52
Thallium	0.0124	U	0.0200	0.00620	ug/L	2.5	07/08/13 12:52
Vanadium	0.620	U	1.00	0.310	ug/L	2.5	07/08/13 12:52
Zinc	0.800	U	3.10	0.400	ug/L	2.5	07/08/13 12:52

Batch Information

Analytical Batch: MMS8043
Analytical Method: 200.8 Low Level
Analyst: HKS
Analytical Date/Time: 07/08/13 12:52
Container ID: 1132615029-B

Prep Batch: MXX26646
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:38
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Hardness as CaCO3	1.00	U	1.00	1.00	mg/L	2.5	07/08/13 12:52

Batch Information

Analytical Batch: MMS8044
Analytical Method: SM21 2340B
Analyst: HKS
Analytical Date/Time: 07/08/13 12:52
Container ID: 1132615029-B

Prep Batch: MXX26646
Prep Method: E200.2
Prep Date/Time: 07/01/13 19:38
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 10 mL

*DJK
+20 1/23/14*

Print Date 07/15/2013 11:02:14AM



Results of WQSWB118.6FB

Client Sample ID: **WQSWB118.6FB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615029
Lab Project ID: 1132615

Collection Date: 06/24/13 13:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Total Organic Carbon,Dissolved	0.257	J	0.500	0.150	mg/L	1	07/08/13 12:06

Batch Information

Analytical Batch: WTC2240
Analytical Method: SM 5310B
Analyst: KJO
Analytical Date/Time: 07/08/13 12:06
Container ID: 1132615029-D

Prep Batch:
Prep Method:
Prep Date/Time:
Prep Initial Wt./Vol.: 30 mL
Prep Extract Vol: 30 mL

DJL
1/23/14

Print Date: 07/15/2013 11:02:14AM

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Results of WQSWB118.6FB

Client Sample ID: **WQSWB118.6FB**
Client Project ID: **AEA Susitna Monthly Waters**
Lab Sample ID: 1132615029
Lab Project ID: 1132615

Collection Date: 06/24/13 13:20
Received Date: 06/25/13 11:36
Matrix: Water (Surface, Eff., Ground)
Solids (%):

Results by Waters Department Dissolved

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Soluble Reactive Phosphorus	0.00620	U	0.0100	0.00310	mg/L	1	06/26/13 12:06

Batch Information

Analytical Batch: WDA2864
Analytical Method: SM21 4500P-B,E
Analyst: AYC
Analytical Date/Time: 06/26/13 12:06
Container ID: 1132615029-C

Prep Batch: WXX9868
Prep Method: SM21 4500P-B,E Diss
Prep Date/Time: 06/26/13 09:30
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol.: 25 mL

DJK
1/23/14

Print Date: 07/15/2013 11:02:14AM

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