

Laboratory Report of Analysis

To: Stantec Consulting Services Inc.
725 East Fireweed Lane Suite 200
Anchorage, AK 99503
(907)248-8883

Report Number: **1190367**

Client Project: **Wasilla WWTP**

Dear John Marshall,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of ten years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of fourteen (14) days from the date of this report unless other archiving requirements were included in the quote.

If there are any questions about the report or services performed during this project, please call Justin at (907) 562-2343. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Justin Nelson
Project Manager
Justin.Nelson@sgs.com

Date

Case Narrative

SGS Client: **Stantec Consulting Services Inc.**

SGS Project: **1190367**

Project Name/Site: **Wasilla WWTP**

Project Contact: **John Marshall**

Refer to sample receipt form for information on sample condition.

1190367001MSD (1495264) MSD

4500N-D - Total Kjeldahl Nitrogen - MSD recovery is outside of QC criteria. Refer to LCSD for accuracy requirements.

*QC comments may be associated with the field samples found in this report. When applicable, comments will be applied to associated field samples.

Print Date: 01/30/2019 12:45:32PM

Laboratory Qualifiers

Enclosed are the analytical results associated with the above work order. The results apply to the samples as received. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the context or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS maintains a formal Quality Assurance/Quality Control (QA/QC) program. A copy of our Quality Assurance Plan (QAP), which outlines this program, is available at your request. The laboratory certification numbers are AK00971 (DW Chemistry (Provisionally Certified as of 12/06/2018 for Uranium by EPA200.8, TDS by SM 2540C and Nitrate by SM 4500-NO3-F) & Microbiology) & 17-021 (CS) for ADEC and 2944.01 for DOD ELAP/ISO17025 (RCRA methods: 1020B, 1311, 3010A, 3050B, 3520C, 3550C, 5030B, 5035A, 6020A, 7470A, 7471B, 8015C, 8021B, 8082A, 8260C, 8270D, 8270D-SIM, 9040C, 9045D, 9056A, 9060A, AK101 and AK102/103). Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP and, when applicable, other regulatory authorities.

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

*	The analyte has exceeded allowable regulatory or control limits.
!	Surrogate out of control limits.
B	Indicates the analyte is found in a blank associated with the sample.
CCV/CVA/CVB	Continuing Calibration Verification
CCCV/CVC/CVCA/CVCB	Closing Continuing Calibration Verification
CL	Control Limit
DF	Analytical Dilution Factor
DL	Detection Limit (i.e., maximum method detection limit)
E	The analyte result is above the calibrated range.
GT	Greater Than
IB	Instrument Blank
ICV	Initial Calibration Verification
J	The quantitation is an estimation.
LCS(D)	Laboratory Control Spike (Duplicate)
LLQC/LLIQC	Low Level Quantitation Check
LOD	Limit of Detection (i.e., 1/2 of the LOQ)
LOQ	Limit of Quantitation (i.e., reporting or practical quantitation limit)
LT	Less Than
MB	Method Blank
MS(D)	Matrix Spike (Duplicate)
ND	Indicates the analyte is not detected.
RPD	Relative Percent Difference
U	Indicates the analyte was analyzed for but not detected.

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

Sample Summary

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Collected</u>	<u>Received</u>	<u>Matrix</u>
SW5	1190367001	01/23/2019	01/23/2019	Water (Surface, Eff., Ground)
DUP1	1190367002	01/23/2019	01/23/2019	Water (Surface, Eff., Ground)
SW17	1190367003	01/23/2019	01/23/2019	Water (Surface, Eff., Ground)
SW18	1190367004	01/23/2019	01/23/2019	Water (Surface, Eff., Ground)

<u>Method</u>	<u>Method Description</u>
SM21 4500-NH3 G	Ammonia-N (W) SM21 4500-NH3 G
SM21 5210B	Biochemical Oxygen Demand SM21 5210B
SM21 9222D	Fecal Coliform (MF)
EPA 300.0	Ion Chromatographic Analysis
SM21 4500-N D	TKN by Phenate (W)
SM21 9223B	Total Coliform P/A Quant Tray
SM21 4500P-B,E	Total Phosphorus (W)
SM21 2540D	Total Suspended Solids SM20 2540D

Print Date: 01/30/2019 12:45:34PM

Detectable Results Summary

Client Sample ID: **SW5**
 Lab Sample ID: 1190367001
Microbiology Laboratory

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Units</u>
Biochemical Oxygen Demand	15.9	mg/L
E. Coli	1	MPN/100mL
Total Coliform	21	MPN/100mL
Ammonia-N	1.15	mg/L
Total Kjeldahl Nitrogen	2.24	mg/L
Total Phosphorus	0.120	mg/L
Total Suspended Solids	5.54	mg/L

Client Sample ID: **DUP1**
 Lab Sample ID: 1190367002
Microbiology Laboratory

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Units</u>
Biochemical Oxygen Demand	14.7	mg/L
Total Coliform	16	MPN/100mL
Ammonia-N	1.26	mg/L
Total Kjeldahl Nitrogen	2.13	mg/L
Total Phosphorus	0.127	mg/L
Total Suspended Solids	7.33	mg/L

Client Sample ID: **SW17**
 Lab Sample ID: 1190367003
Microbiology Laboratory

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Units</u>
E. Coli	5	MPN/100mL
Fecal Coliform	1.0	col/100mL
Total Coliform	77	MPN/100mL
Ammonia-N	0.537	mg/L
Nitrate-N	3.08	mg/L
Total Kjeldahl Nitrogen	1.34	mg/L
Total Nitrate/Nitrite-N	3.08	mg/L
Total Phosphorus	0.138	mg/L
Total Suspended Solids	2.18	mg/L

Client Sample ID: **SW18**
 Lab Sample ID: 1190367004
Microbiology Laboratory

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>Units</u>
Biochemical Oxygen Demand	2.54	mg/L
E. Coli	3	MPN/100mL
Total Coliform	238	MPN/100mL
Ammonia-N	0.759	mg/L
Nitrate-N	3.28	mg/L
Total Kjeldahl Nitrogen	1.68	mg/L
Total Nitrate/Nitrite-N	3.28	mg/L
Total Phosphorus	0.797	mg/L
Total Suspended Solids	1.00	mg/L



Results of SW5

Client Sample ID: **SW5**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1190367001
Lab Project ID: 1190367

Collection Date: 01/23/19 11:35
Received Date: 01/23/19 15:17
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Microbiology Laboratory

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Biochemical Oxygen Demand	15.9	2.00	2.00	mg/L	1		01/24/19 14:45

Batch Information

Analytical Batch: BOD6221
Analytical Method: SM21 5210B
Analyst: J.N
Analytical Date/Time: 01/24/19 14:45
Container ID: 1190367001-A

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Fecal Coliform	1.00 U	1.00	1.00	col/100mL	1		01/23/19 16:18

Batch Information

Analytical Batch: BTF17118
Analytical Method: SM21 9222D
Analyst: A.L
Analytical Date/Time: 01/23/19 16:18
Container ID: 1190367001-D

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
E. Coli	1	1	1	MPN/100r	1		01/23/19 16:41
Total Coliform	21	1	1	MPN/100r	1		01/23/19 16:41

Batch Information

Analytical Batch: BTF17119
Analytical Method: SM21 9223B
Analyst: A.L
Analytical Date/Time: 01/23/19 16:41
Container ID: 1190367001-E



Results of SW5

Client Sample ID: SW5
Client Project ID: Wasilla WWTP
Lab Sample ID: 1190367001
Lab Project ID: 1190367

Collection Date: 01/23/19 11:35
Received Date: 01/23/19 15:17
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Waters Department

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Rows include Nitrate-N, Nitrite-N, and Total Nitrate/Nitrite-N.

Batch Information

Analytical Batch: WIC5866
Analytical Method: EPA 300.0
Analyst: DMM
Analytical Date/Time: 01/23/19 17:26
Container ID: 1190367001-C
Prep Batch: WXX12693
Prep Method: METHOD
Prep Date/Time: 01/23/19 17:00
Prep Initial Wt./Vol.: 10 mL
Prep Extract Vol: 10 mL

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Row includes Total Suspended Solids.

Batch Information

Analytical Batch: STS6141
Analytical Method: SM21 2540D
Analyst: EWW
Analytical Date/Time: 01/25/19 12:33
Container ID: 1190367001-B

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Row includes Total Kjeldahl Nitrogen.

Batch Information

Analytical Batch: WDA4494
Analytical Method: SM21 4500-N D
Analyst: DMM
Analytical Date/Time: 01/28/19 11:53
Container ID: 1190367001-F
Prep Batch: WXX12696
Prep Method: METHOD
Prep Date/Time: 01/25/19 09:40
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Row includes Ammonia-N.

Results of SW5

Client Sample ID: **SW5**
 Client Project ID: **Wasilla WWTP**
 Lab Sample ID: 1190367001
 Lab Project ID: 1190367

Collection Date: 01/23/19 11:35
 Received Date: 01/23/19 15:17
 Matrix: Water (Surface, Eff., Ground)
 Solids (%):
 Location:

Results by Waters Department

Batch Information

Analytical Batch: WDA4495
 Analytical Method: SM21 4500-NH3 G
 Analyst: DMM
 Analytical Date/Time: 01/28/19 14:55
 Container ID: 1190367001-F

Prep Batch: WXX12697
 Prep Method: METHOD
 Prep Date/Time: 01/28/19 13:30
 Prep Initial Wt./Vol.: 6 mL
 Prep Extract Vol: 6 mL

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Total Phosphorus	0.120	0.0200	0.00500	mg/L	1		01/25/19 16:59

Batch Information

Analytical Batch: WDA4493
 Analytical Method: SM21 4500P-B,E
 Analyst: DMM
 Analytical Date/Time: 01/25/19 16:59
 Container ID: 1190367001-F

Prep Batch: WXX12695
 Prep Method: SM21 4500P-B,E
 Prep Date/Time: 01/25/19 10:25
 Prep Initial Wt./Vol.: 25 mL
 Prep Extract Vol: 25 mL



Results of DUP1

Client Sample ID: **DUP1**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1190367002
Lab Project ID: 1190367

Collection Date: 01/23/19 11:35
Received Date: 01/23/19 15:17
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Microbiology Laboratory

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Biochemical Oxygen Demand	14.7	2.00	2.00	mg/L	1		01/24/19 14:45

Batch Information

Analytical Batch: BOD6221
Analytical Method: SM21 5210B
Analyst: J.N
Analytical Date/Time: 01/24/19 14:45
Container ID: 1190367002-A

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Fecal Coliform	1.00 U	1.00	1.00	col/100mL	1		01/23/19 16:18

Batch Information

Analytical Batch: BTF17118
Analytical Method: SM21 9222D
Analyst: A.L
Analytical Date/Time: 01/23/19 16:18
Container ID: 1190367002-D

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
E. Coli	1 U	1	1	MPN/100r	1		01/23/19 16:41
Total Coliform	16	1	1	MPN/100r	1		01/23/19 16:41

Batch Information

Analytical Batch: BTF17119
Analytical Method: SM21 9223B
Analyst: A.L
Analytical Date/Time: 01/23/19 16:41
Container ID: 1190367002-E



Results of DUP1

Client Sample ID: DUP1
Client Project ID: Wasilla WWTP
Lab Sample ID: 1190367002
Lab Project ID: 1190367

Collection Date: 01/23/19 11:35
Received Date: 01/23/19 15:17
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Waters Department

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Rows include Nitrate-N, Nitrite-N, and Total Nitrate/Nitrite-N.

Batch Information

Analytical Batch: WIC5866
Analytical Method: EPA 300.0
Analyst: DMM
Analytical Date/Time: 01/23/19 17:45
Container ID: 1190367002-C
Prep Batch: WXX12693
Prep Method: METHOD
Prep Date/Time: 01/23/19 17:00
Prep Initial Wt./Vol.: 10 mL
Prep Extract Vol: 10 mL

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Row includes Total Suspended Solids.

Batch Information

Analytical Batch: STS6141
Analytical Method: SM21 2540D
Analyst: EWW
Analytical Date/Time: 01/25/19 12:33
Container ID: 1190367002-B

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Row includes Total Kjeldahl Nitrogen.

Batch Information

Analytical Batch: WDA4494
Analytical Method: SM21 4500-N D
Analyst: DMM
Analytical Date/Time: 01/28/19 11:57
Container ID: 1190367002-F
Prep Batch: WXX12696
Prep Method: METHOD
Prep Date/Time: 01/25/19 09:40
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Row includes Ammonia-N.



Results of **DUP1**

Client Sample ID: **DUP1**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1190367002
Lab Project ID: 1190367

Collection Date: 01/23/19 11:35
Received Date: 01/23/19 15:17
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Batch Information

Analytical Batch: WDA4495
Analytical Method: SM21 4500-NH3 G
Analyst: DMM
Analytical Date/Time: 01/28/19 14:57
Container ID: 1190367002-F

Prep Batch: WXX12697
Prep Method: METHOD
Prep Date/Time: 01/28/19 13:30
Prep Initial Wt./Vol.: 6 mL
Prep Extract Vol: 6 mL

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Total Phosphorus	0.127	0.0200	0.00500	mg/L	1		01/25/19 17:00

Batch Information

Analytical Batch: WDA4493
Analytical Method: SM21 4500P-B,E
Analyst: DMM
Analytical Date/Time: 01/25/19 17:00
Container ID: 1190367002-F

Prep Batch: WXX12695
Prep Method: SM21 4500P-B,E
Prep Date/Time: 01/25/19 10:25
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL



Results of SW17

Client Sample ID: **SW17**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1190367003
Lab Project ID: 1190367

Collection Date: 01/23/19 13:06
Received Date: 01/23/19 15:17
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Microbiology Laboratory

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Biochemical Oxygen Demand	2.00 U	2.00	2.00	mg/L	1		01/24/19 14:45

Batch Information

Analytical Batch: BOD6221
Analytical Method: SM21 5210B
Analyst: J.N
Analytical Date/Time: 01/24/19 14:45
Container ID: 1190367003-A

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Fecal Coliform	1.0	1.00	1.00	col/100mL	1		01/23/19 16:18

Batch Information

Analytical Batch: BTF17118
Analytical Method: SM21 9222D
Analyst: A.L
Analytical Date/Time: 01/23/19 16:18
Container ID: 1190367003-D

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
E. Coli	5	1	1	MPN/100r	1		01/23/19 16:41
Total Coliform	77	1	1	MPN/100r	1		01/23/19 16:41

Batch Information

Analytical Batch: BTF17119
Analytical Method: SM21 9223B
Analyst: A.L
Analytical Date/Time: 01/23/19 16:41
Container ID: 1190367003-E



Results of SW17

Client Sample ID: SW17
Client Project ID: Wasilla WWTP
Lab Sample ID: 1190367003
Lab Project ID: 1190367

Collection Date: 01/23/19 13:06
Received Date: 01/23/19 15:17
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Waters Department

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Rows include Nitrate-N, Nitrite-N, and Total Nitrate/Nitrite-N.

Batch Information

Analytical Batch: WIC5866
Analytical Method: EPA 300.0
Analyst: DMM
Analytical Date/Time: 01/23/19 18:04
Container ID: 1190367003-C
Prep Batch: WXX12693
Prep Method: METHOD
Prep Date/Time: 01/23/19 17:00
Prep Initial Wt./Vol.: 10 mL
Prep Extract Vol: 10 mL

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Row includes Total Suspended Solids.

Batch Information

Analytical Batch: STS6141
Analytical Method: SM21 2540D
Analyst: EWW
Analytical Date/Time: 01/25/19 12:33
Container ID: 1190367003-B

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Row includes Total Kjeldahl Nitrogen.

Batch Information

Analytical Batch: WDA4494
Analytical Method: SM21 4500-N D
Analyst: DMM
Analytical Date/Time: 01/28/19 11:58
Container ID: 1190367003-F
Prep Batch: WXX12696
Prep Method: METHOD
Prep Date/Time: 01/25/19 09:40
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Row includes Ammonia-N.



Results of **SW17**

Client Sample ID: **SW17**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1190367003
Lab Project ID: 1190367

Collection Date: 01/23/19 13:06
Received Date: 01/23/19 15:17
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Batch Information

Analytical Batch: WDA4495
Analytical Method: SM21 4500-NH3 G
Analyst: DMM
Analytical Date/Time: 01/28/19 14:59
Container ID: 1190367003-F

Prep Batch: WXX12697
Prep Method: METHOD
Prep Date/Time: 01/28/19 13:30
Prep Initial Wt./Vol.: 6 mL
Prep Extract Vol: 6 mL

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Total Phosphorus	0.138	0.0200	0.00500	mg/L	1		01/25/19 17:03

Batch Information

Analytical Batch: WDA4493
Analytical Method: SM21 4500P-B,E
Analyst: DMM
Analytical Date/Time: 01/25/19 17:03
Container ID: 1190367003-F

Prep Batch: WXX12695
Prep Method: SM21 4500P-B,E
Prep Date/Time: 01/25/19 10:25
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL



Results of SW18

Client Sample ID: **SW18**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1190367004
Lab Project ID: 1190367

Collection Date: 01/23/19 13:35
Received Date: 01/23/19 15:17
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Microbiology Laboratory

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Biochemical Oxygen Demand	2.54	2.00	2.00	mg/L	1		01/24/19 14:45

Batch Information

Analytical Batch: BOD6221
Analytical Method: SM21 5210B
Analyst: J.N
Analytical Date/Time: 01/24/19 14:45
Container ID: 1190367004-A

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Fecal Coliform	1.00 U	1.00	1.00	col/100mL	1		01/23/19 16:18

Batch Information

Analytical Batch: BTF17118
Analytical Method: SM21 9222D
Analyst: A.L
Analytical Date/Time: 01/23/19 16:18
Container ID: 1190367004-D

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
E. Coli	3	1	1	MPN/100r	1		01/23/19 16:41
Total Coliform	238	1	1	MPN/100r	1		01/23/19 16:41

Batch Information

Analytical Batch: BTF17119
Analytical Method: SM21 9223B
Analyst: A.L
Analytical Date/Time: 01/23/19 16:41
Container ID: 1190367004-E



Results of SW18

Client Sample ID: SW18
Client Project ID: Wasilla WWTP
Lab Sample ID: 1190367004
Lab Project ID: 1190367

Collection Date: 01/23/19 13:35
Received Date: 01/23/19 15:17
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by Waters Department

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Rows include Nitrate-N, Nitrite-N, and Total Nitrate/Nitrite-N.

Batch Information

Analytical Batch: WIC5866
Analytical Method: EPA 300.0
Analyst: DMM
Analytical Date/Time: 01/23/19 18:23
Container ID: 1190367004-C
Prep Batch: WXX12693
Prep Method: METHOD
Prep Date/Time: 01/23/19 17:00
Prep Initial Wt./Vol.: 10 mL
Prep Extract Vol: 10 mL

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Row includes Total Suspended Solids.

Batch Information

Analytical Batch: STS6141
Analytical Method: SM21 2540D
Analyst: EWW
Analytical Date/Time: 01/25/19 12:33
Container ID: 1190367004-B

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Row includes Total Kjeldahl Nitrogen.

Batch Information

Analytical Batch: WDA4494
Analytical Method: SM21 4500-N D
Analyst: DMM
Analytical Date/Time: 01/28/19 12:02
Container ID: 1190367004-F
Prep Batch: WXX12696
Prep Method: METHOD
Prep Date/Time: 01/25/19 09:40
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Table with 8 columns: Parameter, Result Qual, LOQ/CL, DL, Units, DF, Allowable Limits, Date Analyzed. Row includes Ammonia-N.

Results of SW18

Client Sample ID: **SW18**
 Client Project ID: **Wasilla WWTP**
 Lab Sample ID: 1190367004
 Lab Project ID: 1190367

Collection Date: 01/23/19 13:35
 Received Date: 01/23/19 15:17
 Matrix: Water (Surface, Eff., Ground)
 Solids (%):
 Location:

Results by Waters Department

Batch Information

Analytical Batch: WDA4495
 Analytical Method: SM21 4500-NH3 G
 Analyst: DMM
 Analytical Date/Time: 01/28/19 15:01
 Container ID: 1190367004-F

Prep Batch: WXX12697
 Prep Method: METHOD
 Prep Date/Time: 01/28/19 13:30
 Prep Initial Wt./Vol.: 6 mL
 Prep Extract Vol: 6 mL

<u>Parameter</u>	<u>Result Qual</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable Limits</u>	<u>Date Analyzed</u>
Total Phosphorus	0.797	0.100	0.0250	mg/L	1		01/25/19 16:57

Batch Information

Analytical Batch: WDA4493
 Analytical Method: SM21 4500P-B,E
 Analyst: DMM
 Analytical Date/Time: 01/25/19 16:57
 Container ID: 1190367004-F

Prep Batch: WXX12695
 Prep Method: SM21 4500P-B,E
 Prep Date/Time: 01/25/19 15:48
 Prep Initial Wt./Vol.: 5 mL
 Prep Extract Vol: 25 mL

Method Blank

Blank ID: MB for HBN 1790651 [BOD/6221]

Blank Lab ID: 1495056

QC for Samples:

1190367001, 1190367002, 1190367003, 1190367004

Matrix: Water (Surface, Eff., Ground)

Results by SM21 5210B

<u>Parameter</u>	<u>Results</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>
Biochemical Oxygen Demand	2.00U	2.00	2.00	mg/L

Batch Information

Analytical Batch: BOD6221

Analytical Method: SM21 5210B

Instrument:

Analyst: J.N

Analytical Date/Time: 1/24/2019 2:45:00PM

Print Date: 01/30/2019 12:45:39PM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1190367 [BOD6221]

Blank Spike Lab ID: 1495057

Date Analyzed: 01/24/2019 14:45

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1190367001, 1190367002, 1190367003, 1190367004

Results by SM21 5210B

Parameter	Blank Spike (mg/L)			CL
	Spike	Result	Rec (%)	
Biochemical Oxygen Demand	198	216	109	(84.6-115.4

Batch Information

Analytical Batch: BOD6221

Analytical Method: SM21 5210B

Instrument:

Analyst: J.N

Print Date: 01/30/2019 12:45:41PM



Method Blank

Blank ID: MB for HBN 1790614 [BTF/17118]
Blank Lab ID: 1494948

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1190367001, 1190367002, 1190367003, 1190367004

Results by SM21 9222D

<u>Parameter</u>	<u>Results</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>
Fecal Coliform	1.00U	1.00	1.00	col/100mL

Batch Information

Analytical Batch: BTF17118
Analytical Method: SM21 9222D
Instrument:
Analyst: A.L
Analytical Date/Time: 1/23/2019 4:18:39PM

Print Date: 01/30/2019 12:45:43PM

Method Blank

Blank ID: MB for HBN 1790623 [BTF/17119]
Blank Lab ID: 1494946

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1190367001, 1190367002, 1190367003, 1190367004

Results by SM21 9223B

<u>Parameter</u>	<u>Results</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>
Total Coliform	1U	1	1	MPN/100m
E. Coli	1U	1	1	MPN/100m

Batch Information

Analytical Batch: BTF17119
Analytical Method: SM21 9223B
Instrument:
Analyst: A.L
Analytical Date/Time: 1/23/2019 4:41:35PM

Print Date: 01/30/2019 12:45:45PM

Method Blank

Blank ID: MB for HBN 1790665 [STS/6141]

Blank Lab ID: 1495127

QC for Samples:

1190367001, 1190367002, 1190367003, 1190367004

Matrix: Water (Surface, Eff., Ground)

Results by SM21 2540D

<u>Parameter</u>	<u>Results</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>
Total Suspended Solids	0.500U	1.00	0.310	mg/L

Batch Information

Analytical Batch: STS6141

Analytical Method: SM21 2540D

Instrument:

Analyst: EWW

Analytical Date/Time: 1/25/2019 12:33:23PM

Print Date: 01/30/2019 12:45:47PM

Duplicate Sample Summary

Original Sample ID: 1190384003

Duplicate Sample ID: 1495130

QC for Samples:

1190367001, 1190367002, 1190367003, 1190367004

Analysis Date: 01/25/2019 12:33

Matrix: Water (Surface, Eff., Ground)

Results by SM21 2540D

<u>NAME</u>	<u>Original</u>	<u>Duplicate</u>	<u>Units</u>	<u>RPD (%)</u>	<u>RPD CL</u>
Total Suspended Solids	466	463	mg/L	0.65	(< 5)

Batch Information

Analytical Batch: STS6141

Analytical Method: SM21 2540D

Instrument:

Analyst: EWW

Print Date: 01/30/2019 12:45:48PM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1190367 [STS6141]
 Blank Spike Lab ID: 1495128
 Date Analyzed: 01/25/2019 12:33

Spike Duplicate ID: LCSD for HBN 1190367
 [STS6141]
 Spike Duplicate Lab ID: 1495129
 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1190367001, 1190367002, 1190367003, 1190367004

Results by SM21 2540D

Parameter	Blank Spike (mg/L)			Spike Duplicate (mg/L)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Total Suspended Solids	25	24.4	98	25	24.7	99	(75-125)	1.20	(< 5)

Batch Information

Analytical Batch: **STS6141**
 Analytical Method: **SM21 2540D**
 Instrument:
 Analyst: **EWV**

Print Date: 01/30/2019 12:45:49PM

Method Blank

Blank ID: MB for HBN 1790662 [WXX/12693]
Blank Lab ID: 1495102

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1190367001, 1190367002, 1190367003, 1190367004

Results by EPA 300.0

<u>Parameter</u>	<u>Results</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>
Nitrate-N	0.100U	0.200	0.0500	mg/L
Nitrite-N	0.100U	0.200	0.0500	mg/L
Total Nitrate/Nitrite-N	0.100U	0.200	0.0500	mg/L

Batch Information

Analytical Batch: WIC5866
Analytical Method: EPA 300.0
Instrument: 930 Metrohm compact IC flex
Analyst: DMM
Analytical Date/Time: 1/23/2019 4:29:23PM

Prep Batch: WXX12693
Prep Method: METHOD
Prep Date/Time: 1/23/2019 2:45:00PM
Prep Initial Wt./Vol.: 10 mL
Prep Extract Vol: 10 mL

Print Date: 01/30/2019 12:45:51PM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1190367 [WXX12693]
 Blank Spike Lab ID: 1495103
 Date Analyzed: 01/23/2019 16:48

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1190367001, 1190367002, 1190367003, 1190367004

Results by EPA 300.0

Parameter	Blank Spike (mg/L)			CL
	Spike	Result	Rec (%)	
Nitrate-N	5	4.93	99	(90-110)
Nitrite-N	5	4.72	95	(90-110)
Total Nitrate/Nitrite-N	10	9.65	97	(90-110)

Batch Information

Analytical Batch: **WIC5866**
 Analytical Method: **EPA 300.0**
 Instrument: **930 Metrohm compact IC flex**
 Analyst: **DMM**

Prep Batch: **WXX12693**
 Prep Method: **METHOD**
 Prep Date/Time: **01/23/2019 14:45**
 Spike Init Wt./Vol.: 5 mg/L Extract Vol: 10 mL
 Dupe Init Wt./Vol.: Extract Vol:

Print Date: 01/30/2019 12:45:52PM

Matrix Spike Summary

Original Sample ID: 1495124
 MS Sample ID: 1495125 MS
 MSD Sample ID: 1495126 MSD

Analysis Date: 01/23/2019 19:58
 Analysis Date: 01/23/2019 20:17
 Analysis Date: 01/23/2019 20:36
 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1190367001, 1190367002, 1190367003, 1190367004

Results by EPA 300.0

Parameter	Sample	Matrix Spike (mg/L)			Spike Duplicate (mg/L)			CL	RPD (%)	RPD CL
		Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Nitrate-N	0.100U	5.00	4.96	99	5.00	5.07	101	90-110	2.20	(< 15)
Nitrite-N	0.100U	5.00	4.7	94	5.00	4.81	96	90-110	2.30	(< 15)

Batch Information

Analytical Batch: WIC5866
 Analytical Method: EPA 300.0
 Instrument: 930 Metrohm compact IC flex
 Analyst: DMM
 Analytical Date/Time: 1/23/2019 8:17:17PM

Prep Batch: WXX12693
 Prep Method: EPA 300.0 Extraction Waters/Liquids
 Prep Date/Time: 1/23/2019 2:45:00PM
 Prep Initial Wt./Vol.: 10.00mL
 Prep Extract Vol: 10.00mL

Print Date: 01/30/2019 12:45:54PM

Method Blank

Blank ID: MB for HBN 1790687 [WXX/12695]
 Blank Lab ID: 1495197

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
 1190367001, 1190367002, 1190367003, 1190367004

Results by SM21 4500P-B,E

<u>Parameter</u>	<u>Results</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>
Total Phosphorus	0.0100U	0.0200	0.00500	mg/L

Batch Information

Analytical Batch: WDA4493
 Analytical Method: SM21 4500P-B,E
 Instrument: Discrete Analyzer 2
 Analyst: DMM
 Analytical Date/Time: 1/25/2019 4:52:40PM

Prep Batch: WXX12695
 Prep Method: SM21 4500P-B,E
 Prep Date/Time: 1/25/2019 10:25:00AM
 Prep Initial Wt./Vol.: 25 mL
 Prep Extract Vol: 25 mL

Print Date: 01/30/2019 12:45:55PM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1190367 [WXX12695]
 Blank Spike Lab ID: 1495198
 Date Analyzed: 01/25/2019 16:53

Spike Duplicate ID: LCSD for HBN 1190367
 [WXX12695]
 Spike Duplicate Lab ID: 1495199
 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1190367001, 1190367002, 1190367003, 1190367004

Results by SM21 4500P-B,E

Parameter	Blank Spike (mg/L)			Spike Duplicate (mg/L)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Total Phosphorus	0.2	0.181	90	0.2	0.179	89	(75-125)	1.10	(< 25)

Batch Information

Analytical Batch: **WDA4493**
 Analytical Method: **SM21 4500P-B,E**
 Instrument: **Discrete Analyzer 2**
 Analyst: **DMM**

Prep Batch: **WXX12695**
 Prep Method: **SM21 4500P-B,E**
 Prep Date/Time: **01/25/2019 10:25**
 Spike Init Wt./Vol.: 0.2 mg/L Extract Vol: 25 mL
 Dupe Init Wt./Vol.: 0.2 mg/L Extract Vol: 25 mL

Matrix Spike Summary

Original Sample ID: 1190367004
 MS Sample ID: 1495200 MS
 MSD Sample ID: 1495201 MSD

Analysis Date: 01/25/2019 16:57
 Analysis Date: 01/25/2019 16:58
 Analysis Date: 01/25/2019 16:58
 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1190367001, 1190367002, 1190367003, 1190367004

Results by SM21 4500P-B,E

Parameter	Sample	Matrix Spike (mg/L)			Spike Duplicate (mg/L)			CL	RPD (%)	RPD CL
		Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Total Phosphorus	0.797	1.00	1.78	99	1.00	1.78	99	75-125	0.08	(< 25)

Batch Information

Analytical Batch: WDA4493
 Analytical Method: SM21 4500P-B,E
 Instrument: Discrete Analyzer 2
 Analyst: DMM
 Analytical Date/Time: 1/25/2019 4:58:06PM

Prep Batch: WXX12695
 Prep Method: Total Phosphorus (W) Ext.
 Prep Date/Time: 1/25/2019 3:48:00PM
 Prep Initial Wt./Vol.: 5.00mL
 Prep Extract Vol: 25.00mL

Method Blank

Blank ID: MB for HBN 1790703 [WXX/12696]
Blank Lab ID: 1495260

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1190367001, 1190367002, 1190367003, 1190367004

Results by SM21 4500-N D

<u>Parameter</u>	<u>Results</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>
Total Kjeldahl Nitrogen	0.593J	1.00	0.310	mg/L

Batch Information

Analytical Batch: WDA4494
Analytical Method: SM21 4500-N D
Instrument: Discrete Analyzer 2
Analyst: DMM
Analytical Date/Time: 1/28/2019 11:46:40AM

Prep Batch: WXX12696
Prep Method: METHOD
Prep Date/Time: 1/25/2019 9:40:00AM
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 01/30/2019 12:45:59PM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1190367 [WXX12696]
 Blank Spike Lab ID: 1495261
 Date Analyzed: 01/28/2019 11:47

Spike Duplicate ID: LCSD for HBN 1190367 [WXX12696]
 Spike Duplicate Lab ID: 1495262
 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1190367001, 1190367002, 1190367003, 1190367004

Results by SM21 4500-N D

Parameter	Blank Spike (mg/L)			Spike Duplicate (mg/L)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Total Kjeldahl Nitrogen	4	3.66	92	4	3.59	90	(75-125)	2.00	(< 25)

Batch Information

Analytical Batch: **WDA4494**
 Analytical Method: **SM21 4500-N D**
 Instrument: **Discrete Analyzer 2**
 Analyst: **DMM**

Prep Batch: **WXX12696**
 Prep Method: **METHOD**
 Prep Date/Time: **01/25/2019 09:40**
 Spike Init Wt./Vol.: 4 mg/L Extract Vol: 25 mL
 Dupe Init Wt./Vol.: 4 mg/L Extract Vol: 25 mL

Print Date: 01/30/2019 12:46:01PM

Matrix Spike Summary

Original Sample ID: 1190367001
 MS Sample ID: 1495263 MS
 MSD Sample ID: 1495264 MSD

Analysis Date: 01/28/2019 11:53
 Analysis Date: 01/28/2019 11:54
 Analysis Date: 01/28/2019 11:55
 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1190367001, 1190367002, 1190367003, 1190367004

Results by SM21 4500-N D

Parameter	Sample	Matrix Spike (mg/L)			Spike Duplicate (mg/L)			CL	RPD (%)	RPD CL
		Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Total Kjeldahl Nitrogen	2.24	4.00	5.68	86	4.00	5.15	73 *	75-125	9.80	(< 25)

Batch Information

Analytical Batch: WDA4494
 Analytical Method: SM21 4500-N D
 Instrument: Discrete Analyzer 2
 Analyst: DMM
 Analytical Date/Time: 1/28/2019 11:54:34AM

Prep Batch: WXX12696
 Prep Method: Distillation TKN by Phenate (W)
 Prep Date/Time: 1/25/2019 9:40:00AM
 Prep Initial Wt./Vol.: 25.00mL
 Prep Extract Vol: 25.00mL

Method Blank

Blank ID: MB for HBN 1790707 [WXX/12697]
Blank Lab ID: 1495284

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1190367001, 1190367002, 1190367003, 1190367004

Results by SM21 4500-NH3 G

<u>Parameter</u>	<u>Results</u>	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>
Ammonia-N	0.0500U	0.100	0.0310	mg/L

Batch Information

Analytical Batch: WDA4495
Analytical Method: SM21 4500-NH3 G
Instrument: Discrete Analyzer 2
Analyst: DMM
Analytical Date/Time: 1/28/2019 2:45:56PM

Prep Batch: WXX12697
Prep Method: METHOD
Prep Date/Time: 1/28/2019 1:30:00PM
Prep Initial Wt./Vol.: 6 mL
Prep Extract Vol: 6 mL

Print Date: 01/30/2019 12:46:04PM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1190367 [WXX12697]
 Blank Spike Lab ID: 1495285
 Date Analyzed: 01/28/2019 14:47

Spike Duplicate ID: LCSD for HBN 1190367 [WXX12697]
 Spike Duplicate Lab ID: 1495286
 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1190367001, 1190367002, 1190367003, 1190367004

Results by SM21 4500-NH3 G

Parameter	Blank Spike (mg/L)			Spike Duplicate (mg/L)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Ammonia-N	1	1.00	100	1	0.943	94	(75-125)	6.20	(< 25)

Batch Information

Analytical Batch: **WDA4495**
 Analytical Method: **SM21 4500-NH3 G**
 Instrument: **Discrete Analyzer 2**
 Analyst: **DMM**

Prep Batch: **WXX12697**
 Prep Method: **METHOD**
 Prep Date/Time: **01/28/2019 13:30**
 Spike Init Wt./Vol.: 1 mg/L Extract Vol: 6 mL
 Dupe Init Wt./Vol.: 1 mg/L Extract Vol: 6 mL

Print Date: 01/30/2019 12:46:04PM

Matrix Spike Summary

Original Sample ID: 1190400010
 MS Sample ID: 1495287 MS
 MSD Sample ID: 1495288 MSD

Analysis Date: 01/28/2019 14:50
 Analysis Date: 01/28/2019 14:52
 Analysis Date: 01/28/2019 14:54
 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1190367001, 1190367002, 1190367003, 1190367004

Results by SM21 4500-NH3 G

Parameter	Sample	Matrix Spike (mg/L)			Spike Duplicate (mg/L)			CL	RPD (%)	RPD CL
		Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Ammonia-N	0.115	1.00	.889	78	1.00	0.960	85	75-125	7.70	(< 25)

Batch Information

Analytical Batch: WDA4495
 Analytical Method: SM21 4500-NH3 G
 Instrument: Discrete Analyzer 2
 Analyst: DMM
 Analytical Date/Time: 1/28/2019 2:52:39PM

Prep Batch: WXX12697
 Prep Method: Ammonia by SM21 4500F prep (W)
 Prep Date/Time: 1/28/2019 1:30:00PM
 Prep Initial Wt./Vol.: 6.00mL
 Prep Extract Vol: 6.00mL



e-Sample Receipt Form

SGS Workorder #:

1190367



1 1 9 0 3 6 7

Review Criteria	Condition (Yes, No, N/A)	Exceptions Noted below
Chain of Custody / Temperature Requirements		<input checked="" type="checkbox"/> Exemption permitted if sampler hand carries/delivers.
Were Custody Seals intact? Note # & location	<input type="checkbox"/> n/a	handdelivered
COC accompanied samples?	<input checked="" type="checkbox"/> yes	
<input type="checkbox"/> n/a **Exemption permitted if chilled & collected <8 hours ago, or for samples where chilling is not required		
Temperature blank compliant* (i.e., 0-6 °C after CF)?	<input checked="" type="checkbox"/> yes	Cooler ID: 1 @ 2.2 °C Therm. ID: D53
	<input type="checkbox"/> n/a	Cooler ID: @ °C Therm. ID:
	<input type="checkbox"/> n/a	Cooler ID: @ °C Therm. ID:
	<input type="checkbox"/> n/a	Cooler ID: @ °C Therm. ID:
	<input type="checkbox"/> n/a	Cooler ID: @ °C Therm. ID:
*If >6°C, were samples collected <8 hours ago?	<input type="checkbox"/> n/a	
If <0°C, were sample containers ice free?	<input type="checkbox"/> n/a	
If samples received <u>without</u> a temperature blank, the "cooler temperature" will be documented in lieu of the temperature blank & "COOLER TEMP" will be noted to the right. In cases where neither a temp blank nor cooler temp can be obtained, note "ambient" or "chilled".		
Note: Identify containers received at non-compliant temperature . Use form FS-0029 if more space is needed.		
Holding Time / Documentation / Sample Condition Requirements		Note: Refer to form F-083 "Sample Guide" for specific holding times.
Were samples received within holding time?	<input checked="" type="checkbox"/> yes	
Do samples match COC ** (i.e., sample IDs, dates/times collected)?	<input checked="" type="checkbox"/> yes	
**Note: If times differ <1hr, record details & login per COC.		
Were analyses requested unambiguous? (i.e., method is specified for analyses with >1 option for analysis)	<input checked="" type="checkbox"/> yes	
Were proper containers (type/mass/volume/preservative***) used?	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> n/a ***Exemption permitted for metals (e.g.200.8/6020A).
Volatile / LL-Hg Requirements		
Were Trip Blanks (i.e., VOAs, LL-Hg) in cooler with samples?	<input type="checkbox"/> n/a	
Were all water VOA vials free of headspace (i.e., bubbles ≤ 6mm)?	<input type="checkbox"/> n/a	
Were all soil VOAs field extracted with MeOH+BFB?	<input type="checkbox"/> n/a	
Note to Client: Any "No", answer above indicates non-compliance with standard procedures and may impact data quality.		
Additional notes (if applicable):		



Sample Containers and Preservatives

<u>Container Id</u>	<u>Preservative</u>	<u>Container Condition</u>	<u>Container Id</u>	<u>Preservative</u>	<u>Container Condition</u>
1190367001-A	No Preservative Required	OK			
1190367001-B	No Preservative Required	OK			
1190367001-C	No Preservative Required	OK			
1190367001-D	Na2S2O3 for Chlorine Redu	OK			
1190367001-E	Na2S2O3 for Chlorine Redu	OK			
1190367001-F	H2SO4 to pH < 2	OK			
1190367002-A	No Preservative Required	OK			
1190367002-B	No Preservative Required	OK			
1190367002-C	No Preservative Required	OK			
1190367002-D	Na2S2O3 for Chlorine Redu	OK			
1190367002-E	Na2S2O3 for Chlorine Redu	OK			
1190367002-F	H2SO4 to pH < 2	OK			
1190367003-A	No Preservative Required	OK			
1190367003-B	No Preservative Required	OK			
1190367003-C	No Preservative Required	OK			
1190367003-D	Na2S2O3 for Chlorine Redu	OK			
1190367003-E	Na2S2O3 for Chlorine Redu	OK			
1190367003-F	H2SO4 to pH < 2	OK			
1190367004-A	No Preservative Required	OK			
1190367004-B	No Preservative Required	OK			
1190367004-C	No Preservative Required	OK			
1190367004-D	Na2S2O3 for Chlorine Redu	OK			
1190367004-E	Na2S2O3 for Chlorine Redu	OK			
1190367004-F	H2SO4 to pH < 2	OK			

Container Condition Glossary

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

OK - The container was received at an acceptable pH for the analysis requested.

BU - The container was received with headspace greater than 6mm.

DM - The container was received damaged.

FR - The container was received frozen and not usable for Bacteria or BOD analyses.

IC - The container provided for microbiology analysis was not a laboratory-supplied, pre-sterilized container and therefore was not suitable for analysis.

PA - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt and the container is now at the correct pH. See the Sample Receipt Form for details on the amount and lot # of the preservative added.

PH - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt, but was insufficient to bring the container to the correct pH for the analysis requested. See the Sample Receipt Form for details on the amount and lot # of the preservative added.