Laboratory Report of Analysis

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

Report Number: **1200299**

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
2020.02.04
15:32:03 -09'00'

Justin Nelson
Project Manager
Justin.Nelson@sgs.com

Date

Case Narrative

SGS Client: **Stantec Consulting Services Inc.**
SGS Project: **1200299**
Project Name/Site: **Wasilla WWTP**
Project Contact: **John Marshall**

Refer to sample receipt form for information on sample condition.

1200289001DUP (1549874) DUP

2540D - Total Suspended Solids - Sample duplicate RPD was outside of acceptance limits. Refer to LCS/LCSD RPD for batch precision.

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

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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, indenmification 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 & 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). SGS is only certified for the analytes listed on our Drinking Water Certification (DW methods: 200.8, 2130B, 2320B, 2510B, 300.0, 4500-CN-C,E, 4500-H-B, 4500-NO3-F, 4500-P-E and 524.2) and only those analytes will be reported to the State of Alaska for compliance. Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP and, when applicable, other regulatory authorities.

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

*	The analyte has exceeded allowable regulatory or control limits.
!	Surrogate out of control limits.
B	Indicates the analyte is found in a blank associated with the sample.
CCV/CVA/CVB	Continuing Calibration Verification
CCCV/CVC/CVCA/CVCB	Closing Continuing Calibration Verification
CL	Control Limit
DF	Analytical Dilution Factor
DL	Detection Limit (i.e., maximum method detection limit)
E	The analyte result is above the calibrated range.
GT	Greater Than
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

Client Sample ID	Lab Sample ID	Collected	Received	Matrix
SW17	1200299001	01/22/2020	01/22/2020	Water (Surface, Eff., Ground)
SW18	1200299002	01/22/2020	01/22/2020	Water (Surface, Eff., Ground)
Effluent	1200299003	01/22/2020	01/22/2020	Water (Surface, Eff., Ground)
MW10	1200299004	01/22/2020	01/22/2020	Water (Surface, Eff., Ground)
MW15	1200299005	01/22/2020	01/22/2020	Water (Surface, Eff., Ground)
B5	1200299006	01/22/2020	01/22/2020	Water (Surface, Eff., Ground)
A8	1200299007	01/22/2020	01/22/2020	Water (Surface, Eff., Ground)

Method	Method Description
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

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Detectable Results Summary

Client Sample ID: **SW17**
Lab Sample ID: 1200299001
Microbiology Laboratory
Waters Department

Parameter	Result	Units
Biochemical Oxygen Demand	2.05	mg/L
E. Coli	1	MPN/100mL
Fecal Coliform	1.7	col/100mL
Total Coliform	56	MPN/100mL
Ammonia-N	0.557	mg/L
Nitrate-N	3.62	mg/L
Total Kjeldahl Nitrogen	0.921J	mg/L
Total Nitrate/Nitrite-N	3.62	mg/L
Total Phosphorus	0.119	mg/L
Total Suspended Solids	1.41	mg/L

Client Sample ID: **SW18**
Lab Sample ID: 1200299002
Microbiology Laboratory
Waters Department

Parameter	Result	Units
Biochemical Oxygen Demand	3.11	mg/L
Total Coliform	161	MPN/100mL
Ammonia-N	0.437	mg/L
Nitrate-N	4.46	mg/L
Total Kjeldahl Nitrogen	1.06	mg/L
Total Nitrate/Nitrite-N	4.50	mg/L
Total Phosphorus	0.226	mg/L
Total Suspended Solids	1.53	mg/L

Client Sample ID: **Effluent**
Lab Sample ID: 1200299003
Microbiology Laboratory
Waters Department

Parameter	Result	Units
Fecal Coliform	1270	col/100mL
Ammonia-N	36.8	mg/L
Nitrate-N	0.118J	mg/L
Nitrite-N	0.0750J	mg/L
Total Kjeldahl Nitrogen	66.3	mg/L
Total Nitrate/Nitrite-N	0.193J	mg/L

Client Sample ID: **MW10**
Lab Sample ID: 1200299004
Waters Department

Parameter	Result	Units
Ammonia-N	0.0349J	mg/L

Client Sample ID: **MW15**
Lab Sample ID: 1200299005
Waters Department

Parameter	Result	Units
Ammonia-N	0.0438J	mg/L

Client Sample ID: **B5**
Lab Sample ID: 1200299006
Waters Department

Parameter	Result	Units
Ammonia-N	6.05	mg/L
Total Kjeldahl Nitrogen	8.34	mg/L

Client Sample ID: **A8**
Lab Sample ID: 1200299007
Waters Department

Parameter	Result	Units
Ammonia-N	9.49	mg/L
Total Kjeldahl Nitrogen	12.1	mg/L

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Results of **SW17**

Client Sample ID: **SW17**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1200299001
Lab Project ID: 1200299

Collection Date: 01/22/20 10:30
Received Date: 01/22/20 14:57
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Microbiology Laboratory**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Biochemical Oxygen Demand	2.05		2.00	2.00	mg/L	1		01/22/20 17:04

Batch Information

Analytical Batch: BOD6517
Analytical Method: SM21 5210B
Analyst: A.L
Analytical Date/Time: 01/22/20 17:04
Container ID: 1200299001-E

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Fecal Coliform	1.7		1.67	1.67	col/100mL	1		01/22/20 15:59

Batch Information

Analytical Batch: BTF17883
Analytical Method: SM21 9222D
Analyst: A.A
Analytical Date/Time: 01/22/20 15:59
Container ID: 1200299001-B

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
E. Coli	1		1	1	MPN/100m	1		01/23/20 10:33
Total Coliform	56		1	1	MPN/100m	1		01/23/20 10:33

Batch Information

Analytical Batch: BTF17886
Analytical Method: SM21 9223B
Analyst: A.A
Analytical Date/Time: 01/23/20 10:33
Container ID: 1200299001-A

Results of **SW17**

Client Sample ID: **SW17**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1200299001
Lab Project ID: 1200299

Collection Date: 01/22/20 10:30
Received Date: 01/22/20 14:57
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Nitrate-N	3.62		0.200	0.0500	mg/L	1		01/22/20 17:44
Nitrite-N	0.100 U		0.200	0.0500	mg/L	1		01/22/20 17:44
Total Nitrate/Nitrite-N	3.62		0.200	0.0500	mg/L	1		01/22/20 17:44

Batch Information

Analytical Batch: WIC6014
Analytical Method: EPA 300.0
Analyst: EWW
Analytical Date/Time: 01/22/20 17:44
Container ID: 1200299001-F

Prep Batch: WXX13182
Prep Method: METHOD
Prep Date/Time: 01/22/20 15:00
Prep Initial Wt./Vol.: 10 mL
Prep Extract Vol: 10 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Total Suspended Solids	1.41		1.01	0.313	mg/L	1		01/24/20 11:26

Batch Information

Analytical Batch: STS6596
Analytical Method: SM21 2540D
Analyst: EWW
Analytical Date/Time: 01/24/20 11:26
Container ID: 1200299001-D

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Total Kjeldahl Nitrogen	0.921 J		1.00	0.310	mg/L	1		01/31/20 15:19

Batch Information

Analytical Batch: WDA4730
Analytical Method: SM21 4500-N D
Analyst: DMM
Analytical Date/Time: 01/31/20 15:19
Container ID: 1200299001-C

Prep Batch: WXX13187
Prep Method: METHOD
Prep Date/Time: 01/30/20 11:05
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Ammonia-N	0.557		0.100	0.0310	mg/L	1		01/29/20 15:38

Print Date: 02/04/2020 8:39:59AM

J flagging is activated

Results of **SW17**

Client Sample ID: **SW17**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1200299001
Lab Project ID: 1200299

Collection Date: 01/22/20 10:30
Received Date: 01/22/20 14:57
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Batch Information

Analytical Batch: WDA4729
Analytical Method: SM21 4500-NH3 G
Analyst: EWW
Analytical Date/Time: 01/29/20 15:38
Container ID: 1200299001-C

Prep Batch: WXX13186
Prep Method: METHOD
Prep Date/Time: 01/29/20 15:00
Prep Initial Wt./Vol.: 6 mL
Prep Extract Vol: 6 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.119		0.0400	0.0120	mg/L	1		02/03/20 13:37

Batch Information

Analytical Batch: WDA4731
Analytical Method: SM21 4500P-B,E
Analyst: DMM
Analytical Date/Time: 02/03/20 13:37
Container ID: 1200299001-C

Prep Batch: WXX13189
Prep Method: SM21 4500P-B,E
Prep Date/Time: 02/03/20 11:00
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 02/04/2020 8:39:59AM

J flagging is activated

Results of **SW18**

Client Sample ID: **SW18**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1200299002
Lab Project ID: 1200299

Collection Date: 01/22/20 11:10
Received Date: 01/22/20 14:57
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Microbiology Laboratory**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Biochemical Oxygen Demand	3.11		2.00	2.00	mg/L	1		01/22/20 17:04

Batch Information

Analytical Batch: BOD6517
Analytical Method: SM21 5210B
Analyst: A.L
Analytical Date/Time: 01/22/20 17:04
Container ID: 1200299002-E

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Fecal Coliform	1.67	U	1.67	1.67	col/100mL	1		01/22/20 15:59

Batch Information

Analytical Batch: BTF17883
Analytical Method: SM21 9222D
Analyst: A.A
Analytical Date/Time: 01/22/20 15:59
Container ID: 1200299002-B

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
E. Coli	1	U	1	1	MPN/100m	1		01/23/20 10:33
Total Coliform	161		1	1	MPN/100m	1		01/23/20 10:33

Batch Information

Analytical Batch: BTF17886
Analytical Method: SM21 9223B
Analyst: A.A
Analytical Date/Time: 01/23/20 10:33
Container ID: 1200299002-A

Print Date: 02/04/2020 8:39:59AM

J flagging is activated

Results of **SW18**

Client Sample ID: **SW18**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1200299002
Lab Project ID: 1200299

Collection Date: 01/22/20 11:10
Received Date: 01/22/20 14:57
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Nitrate-N	4.46		0.200	0.0500	mg/L	1		01/22/20 18:02
Nitrite-N	0.100 U		0.200	0.0500	mg/L	1		01/22/20 18:02
Total Nitrate/Nitrite-N	4.50		0.200	0.0500	mg/L	1		01/22/20 18:02

Batch Information

Analytical Batch: WIC6014
Analytical Method: EPA 300.0
Analyst: EWW
Analytical Date/Time: 01/22/20 18:02
Container ID: 1200299002-F

Prep Batch: WXX13182
Prep Method: METHOD
Prep Date/Time: 01/22/20 15:00
Prep Initial Wt./Vol.: 10 mL
Prep Extract Vol: 10 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Total Suspended Solids	1.53		1.02	0.316	mg/L	1		01/24/20 11:26

Batch Information

Analytical Batch: STS6596
Analytical Method: SM21 2540D
Analyst: EWW
Analytical Date/Time: 01/24/20 11:26
Container ID: 1200299002-D

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Total Kjeldahl Nitrogen	1.06		1.00	0.310	mg/L	1		01/31/20 15:23

Batch Information

Analytical Batch: WDA4730
Analytical Method: SM21 4500-N D
Analyst: DMM
Analytical Date/Time: 01/31/20 15:23
Container ID: 1200299002-C

Prep Batch: WXX13187
Prep Method: METHOD
Prep Date/Time: 01/30/20 11:05
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Ammonia-N	0.437		0.100	0.0310	mg/L	1		01/29/20 15:43

Print Date: 02/04/2020 8:39:59AM

J flagging is activated

Results of **SW18**

Client Sample ID: **SW18**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1200299002
Lab Project ID: 1200299

Collection Date: 01/22/20 11:10
Received Date: 01/22/20 14:57
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Batch Information

Analytical Batch: WDA4729
Analytical Method: SM21 4500-NH3 G
Analyst: EWW
Analytical Date/Time: 01/29/20 15:43
Container ID: 1200299002-C

Prep Batch: WXX13186
Prep Method: METHOD
Prep Date/Time: 01/29/20 15:00
Prep Initial Wt./Vol.: 6 mL
Prep Extract Vol: 6 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Total Phosphorus	0.226		0.0400	0.0120	mg/L	1		02/03/20 13:38

Batch Information

Analytical Batch: WDA4731
Analytical Method: SM21 4500P-B,E
Analyst: DMM
Analytical Date/Time: 02/03/20 13:38
Container ID: 1200299002-C

Prep Batch: WXX13189
Prep Method: SM21 4500P-B,E
Prep Date/Time: 02/03/20 11:00
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 02/04/2020 8:39:59AM

J flagging is activated

Results of **Effluent**

Client Sample ID: **Effluent**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1200299003
Lab Project ID: 1200299

Collection Date: 01/22/20 13:00
Received Date: 01/22/20 14:57
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Microbiology Laboratory**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Fecal Coliform	1270		90.9	90.9	col/100mL	1		01/22/20 15:59

Batch Information

Analytical Batch: BTF17883
Analytical Method: SM21 9222D
Analyst: A.A
Analytical Date/Time: 01/22/20 15:59
Container ID: 1200299003-A

Print Date: 02/04/2020 8:39:59AM

J flagging is activated

Results of **Effluent**

Client Sample ID: **Effluent**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1200299003
Lab Project ID: 1200299

Collection Date: 01/22/20 13:00
Received Date: 01/22/20 14:57
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Nitrate-N	0.118	J	0.200	0.0500	mg/L	1		01/22/20 18:21
Nitrite-N	0.0750	J	0.200	0.0500	mg/L	1		01/22/20 18:21
Total Nitrate/Nitrite-N	0.193	J	0.200	0.0500	mg/L	1		01/22/20 18:21

Batch Information

Analytical Batch: WIC6014
Analytical Method: EPA 300.0
Analyst: EWW
Analytical Date/Time: 01/22/20 18:21
Container ID: 1200299003-C

Prep Batch: WXX13182
Prep Method: METHOD
Prep Date/Time: 01/22/20 15:00
Prep Initial Wt./Vol.: 10 mL
Prep Extract Vol: 10 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Total Kjeldahl Nitrogen	66.3		20.0	6.20	mg/L	20		01/31/20 15:24

Batch Information

Analytical Batch: WDA4730
Analytical Method: SM21 4500-N D
Analyst: DMM
Analytical Date/Time: 01/31/20 15:24
Container ID: 1200299003-B

Prep Batch: WXX13187
Prep Method: METHOD
Prep Date/Time: 01/30/20 11:05
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Ammonia-N	36.8		1.00	0.310	mg/L	1		01/29/20 15:45

Batch Information

Analytical Batch: WDA4729
Analytical Method: SM21 4500-NH3 G
Analyst: EWW
Analytical Date/Time: 01/29/20 15:45
Container ID: 1200299003-B

Prep Batch: WXX13186
Prep Method: METHOD
Prep Date/Time: 01/29/20 15:00
Prep Initial Wt./Vol.: 0.6 mL
Prep Extract Vol: 6 mL

Results of **MW10**

Client Sample ID: **MW10**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1200299004
Lab Project ID: 1200299

Collection Date: 01/22/20 13:20
Received Date: 01/22/20 14:57
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Total Kjeldahl Nitrogen	0.500 U		1.00	0.310	mg/L	1		01/31/20 15:25

Batch Information

Analytical Batch: WDA4730
Analytical Method: SM21 4500-N D
Analyst: DMM
Analytical Date/Time: 01/31/20 15:25
Container ID: 1200299004-A

Prep Batch: WXX13187
Prep Method: METHOD
Prep Date/Time: 01/30/20 11:05
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Ammonia-N	0.0349 J		0.100	0.0310	mg/L	1		01/29/20 15:47

Batch Information

Analytical Batch: WDA4729
Analytical Method: SM21 4500-NH3 G
Analyst: EWW
Analytical Date/Time: 01/29/20 15:47
Container ID: 1200299004-A

Prep Batch: WXX13186
Prep Method: METHOD
Prep Date/Time: 01/29/20 15:00
Prep Initial Wt./Vol.: 6 mL
Prep Extract Vol: 6 mL

Results of **MW15**

Client Sample ID: **MW15**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1200299005
Lab Project ID: 1200299

Collection Date: 01/22/20 13:30
Received Date: 01/22/20 14:57
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Total Kjeldahl Nitrogen	0.500 U		1.00	0.310	mg/L	1		01/31/20 15:26

Batch Information

Analytical Batch: WDA4730
Analytical Method: SM21 4500-N D
Analyst: DMM
Analytical Date/Time: 01/31/20 15:26
Container ID: 1200299005-A

Prep Batch: WXX13187
Prep Method: METHOD
Prep Date/Time: 01/30/20 11:05
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Ammonia-N	0.0438 J		0.100	0.0310	mg/L	1		01/29/20 15:48

Batch Information

Analytical Batch: WDA4729
Analytical Method: SM21 4500-NH3 G
Analyst: EWW
Analytical Date/Time: 01/29/20 15:48
Container ID: 1200299005-A

Prep Batch: WXX13186
Prep Method: METHOD
Prep Date/Time: 01/29/20 15:00
Prep Initial Wt./Vol.: 6 mL
Prep Extract Vol: 6 mL

Results of **B5**

Client Sample ID: **B5**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1200299006
Lab Project ID: 1200299

Collection Date: 01/22/20 13:12
Received Date: 01/22/20 14:57
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Total Kjeldahl Nitrogen	8.34		2.00	0.620	mg/L	2		01/31/20 15:30

Batch Information

Analytical Batch: WDA4730
Analytical Method: SM21 4500-N D
Analyst: DMM
Analytical Date/Time: 01/31/20 15:30
Container ID: 1200299006-A

Prep Batch: WXX13187
Prep Method: METHOD
Prep Date/Time: 01/30/20 11:05
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Ammonia-N	6.05		1.00	0.310	mg/L	1		01/29/20 16:43

Batch Information

Analytical Batch: WDA4729
Analytical Method: SM21 4500-NH3 G
Analyst: EWW
Analytical Date/Time: 01/29/20 16:43
Container ID: 1200299006-A

Prep Batch: WXX13186
Prep Method: METHOD
Prep Date/Time: 01/29/20 15:00
Prep Initial Wt./Vol.: 0.6 mL
Prep Extract Vol: 6 mL

Results of **A8**

Client Sample ID: **A8**
Client Project ID: **Wasilla WWTP**
Lab Sample ID: 1200299007
Lab Project ID: 1200299

Collection Date: 01/22/20 12:30
Received Date: 01/22/20 14:57
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Waters Department**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Total Kjeldahl Nitrogen	12.1		2.00	0.620	mg/L	2		01/31/20 15:31

Batch Information

Analytical Batch: WDA4730
Analytical Method: SM21 4500-N D
Analyst: DMM
Analytical Date/Time: 01/31/20 15:31
Container ID: 1200299007-A

Prep Batch: WXX13187
Prep Method: METHOD
Prep Date/Time: 01/30/20 11:05
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Ammonia-N	9.49		1.00	0.310	mg/L	1		01/29/20 16:44

Batch Information

Analytical Batch: WDA4729
Analytical Method: SM21 4500-NH3 G
Analyst: EWW
Analytical Date/Time: 01/29/20 16:44
Container ID: 1200299007-A

Prep Batch: WXX13186
Prep Method: METHOD
Prep Date/Time: 01/29/20 15:00
Prep Initial Wt./Vol.: 0.6 mL
Prep Extract Vol: 6 mL

Method Blank

Blank ID: MB for HBN 1803950 [BOD/6517]
Blank Lab ID: 1549812

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1200299001, 1200299002

Results by **SM21 5210B**

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

Batch Information

Analytical Batch: BOD6517
Analytical Method: SM21 5210B
Instrument:
Analyst: A.L
Analytical Date/Time: 1/22/2020 3:38:27PM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1200299 [BOD6517]
Blank Spike Lab ID: 1549813
Date Analyzed: 01/22/2020 15:38

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1200299001, 1200299002

Results by **SM21 5210B**

Blank Spike (mg/L)

Parameter	Spike	Result	Rec (%)	CL
Biochemical Oxygen Demand	198	199	101	(84.6-115.4

Batch Information

Analytical Batch: **BOD6517**
Analytical Method: **SM21 5210B**
Instrument:
Analyst: **A.L**

Print Date: 02/04/2020 8:40:04AM

Method Blank

Blank ID: MB for HBN 1803944 [BTF/17883]
Blank Lab ID: 1549819

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1200299001, 1200299002, 1200299003

Results by **SM21 9222D**

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

Batch Information

Analytical Batch: BTF17883
Analytical Method: SM21 9222D
Instrument:
Analyst: A.A
Analytical Date/Time: 1/22/2020 3:59:17PM

Print Date: 02/04/2020 8:40:07AM

Method Blank

Blank ID: MB for HBN 1803944 [BTF/17883]
Blank Lab ID: 1549820

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1200299001, 1200299002, 1200299003

Results by **SM21 9222D**

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

Batch Information

Analytical Batch: BTF17883
Analytical Method: SM21 9222D
Instrument:
Analyst: A.A
Analytical Date/Time: 1/22/2020 4:58:17PM

Print Date: 02/04/2020 8:40:07AM

Method Blank

Blank ID: MB for HBN 1803962 [BTF/17886]
Blank Lab ID: 1549846

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1200299001, 1200299002

Results by **SM21 9223B**

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

Batch Information

Analytical Batch: BTF17886
Analytical Method: SM21 9223B
Instrument:
Analyst: A.A
Analytical Date/Time: 1/23/2020 10:33:02AM

Method Blank

Blank ID: MB for HBN 1803975 [STS/6596]
Blank Lab ID: 1549870

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1200299001, 1200299002

Results by **SM21 2540D**

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

Batch Information

Analytical Batch: STS6596
Analytical Method: SM21 2540D
Instrument:
Analyst: EWW
Analytical Date/Time: 1/24/2020 11:26:51AM

Print Date: 02/04/2020 8:40:15AM

Duplicate Sample Summary

Original Sample ID: 1200254001
Duplicate Sample ID: 1549873
QC for Samples:

Analysis Date: 01/24/2020 11:26
Matrix: Water (Surface, Eff., Ground)

Results by **SM21 2540D**

NAME	Original	Duplicate	Units	RPD (%)	RPD CL
Total Suspended Solids	2470	2450	mg/L	0.81	(< 5)

Batch Information

Analytical Batch: STS6596
Analytical Method: SM21 2540D
Instrument:
Analyst: EWW

Print Date: 02/04/2020 8:40:17AM

Duplicate Sample Summary

Original Sample ID: 1200289001
Duplicate Sample ID: 1549874
QC for Samples:
1200299001, 1200299002

Analysis Date: 01/24/2020 11:26
Matrix: Water (Surface, Eff., Ground)

Results by **SM21 2540D**

NAME	Original	Duplicate	Units	RPD (%)	RPD CL
Total Suspended Solids	476	520	mg/L	8.80*	(< 5)

Batch Information

Analytical Batch: STS6596
Analytical Method: SM21 2540D
Instrument:
Analyst: EWW

Print Date: 02/04/2020 8:40:17AM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1200299 [STS6596]
Blank Spike Lab ID: 1549871
Date Analyzed: 01/24/2020 11:26

Spike Duplicate ID: LCSD for HBN 1200299 [STS6596]
Spike Duplicate Lab ID: 1549872
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1200299001, 1200299002

Results by **SM21 2540D**

	Blank Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Total Suspended Solids	25	25.5	102	25	25.6	102	(75-125)	0.39	(< 5)

Batch Information

Analytical Batch: **STS6596**
Analytical Method: **SM21 2540D**
Instrument:
Analyst: **EWW**

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Method Blank

Blank ID: MB for HBN 1803967 [WXX/13182]
Blank Lab ID: 1549853

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1200299001, 1200299002, 1200299003

Results by **EPA 300.0**

Parameter	Results	LOQ/CL	DL	Units
Nitrate-N	0.0530J	0.200	0.0500	mg/L
Nitrite-N	0.0540J	0.200	0.0500	mg/L
Total Nitrate/Nitrite-N	0.107J	0.200	0.0500	mg/L

Batch Information

Analytical Batch: WIC6014
Analytical Method: EPA 300.0
Instrument: 930 Metrohm compact IC flex
Analyst: EWW
Analytical Date/Time: 1/22/2020 3:28:57PM

Prep Batch: WXX13182
Prep Method: METHOD
Prep Date/Time: 1/22/2020 3:00:00PM
Prep Initial Wt./Vol.: 10 mL
Prep Extract Vol: 10 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1200299 [WXX13182]
Blank Spike Lab ID: 1549854
Date Analyzed: 01/22/2020 15:49

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1200299001, 1200299002, 1200299003

Results by **EPA 300.0**

Blank Spike (mg/L)

Parameter	Spike	Result	Rec (%)	CL
Nitrate-N	5	4.81	96	(90-110)
Nitrite-N	5	4.97	99	(90-110)
Total Nitrate/Nitrite-N	10	9.78	98	(90-110)

Batch Information

Analytical Batch: **WIC6014**
Analytical Method: **EPA 300.0**
Instrument: **930 Metrohm compact IC flex**
Analyst: **EWW**

Prep Batch: **WXX13182**
Prep Method: **METHOD**
Prep Date/Time: **01/22/2020 15:00**
Spike Init Wt./Vol.: 5 mg/L Extract Vol: 10 mL
Dupe Init Wt./Vol.: Extract Vol:

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Method Blank

Blank ID: MB for HBN 1804066 [WXX/13186]
Blank Lab ID: 1550167

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1200299001, 1200299002, 1200299003, 1200299004, 1200299005, 1200299006, 1200299007

Results by **SM21 4500-NH3 G**

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

Batch Information

Analytical Batch: WDA4729
Analytical Method: SM21 4500-NH3 G
Instrument: Discrete Analyzer 2
Analyst: EWW
Analytical Date/Time: 1/29/2020 3:33:54PM

Prep Batch: WXX13186
Prep Method: METHOD
Prep Date/Time: 1/29/2020 3:00:00PM
Prep Initial Wt./Vol.: 6 mL
Prep Extract Vol: 6 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1200299 [WXX13186]
Blank Spike Lab ID: 1550168
Date Analyzed: 01/29/2020 15:35

Spike Duplicate ID: LCSD for HBN 1200299 [WXX13186]
Spike Duplicate Lab ID: 1550169
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1200299001, 1200299002, 1200299003, 1200299004, 1200299005, 1200299006, 1200299007

Results by **SM21 4500-NH3 G**

	Blank Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Ammonia-N	1	1.09	109	1	0.914	91	(75-125)	17.70	(< 25)

Batch Information

Analytical Batch: **WDA4729**
Analytical Method: **SM21 4500-NH3 G**
Instrument: **Discrete Analyzer 2**
Analyst: **EWW**

Prep Batch: **WXX13186**
Prep Method: **METHOD**
Prep Date/Time: **01/29/2020 15:00**
Spike Init Wt./Vol.: 1 mg/L Extract Vol: 6 mL
Dupe Init Wt./Vol.: 1 mg/L Extract Vol: 6 mL

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Matrix Spike Summary

Original Sample ID: 1200299001
MS Sample ID: 1550170 MS
MSD Sample ID: 1550171 MSD

Analysis Date: 01/29/2020 15:38
Analysis Date: 01/29/2020 15:40
Analysis Date: 01/29/2020 15:42
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1200299001, 1200299002, 1200299003, 1200299004, 1200299005, 1200299006, 1200299007

Results by **SM21 4500-NH3 G**

		Matrix Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Ammonia-N	0.557	1.00	1.45	90	1.00	1.60	104	75-125	9.60	(< 25)

Batch Information

Analytical Batch: WDA4729
Analytical Method: SM21 4500-NH3 G
Instrument: Discrete Analyzer 2
Analyst: EWW
Analytical Date/Time: 1/29/2020 3:40:38PM

Prep Batch: WXX13186
Prep Method: Ammonia by SM21 4500F prep (W)
Prep Date/Time: 1/29/2020 3:00:00PM
Prep Initial Wt./Vol.: 6.00mL
Prep Extract Vol: 6.00mL

Print Date: 02/04/2020 8:40:28AM

Method Blank

Blank ID: MB for HBN 1804156 [WXX/13187]
Blank Lab ID: 1550320

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1200299001, 1200299002, 1200299003, 1200299004, 1200299005, 1200299006, 1200299007

Results by **SM21 4500-N D**

Parameter	Results	LOQ/CL	DL	Units
Total Kjeldahl Nitrogen	0.500U	1.00	0.310	mg/L

Batch Information

Analytical Batch: WDA4730
Analytical Method: SM21 4500-N D
Instrument: Discrete Analyzer 2
Analyst: DMM
Analytical Date/Time: 1/31/2020 3:15:13PM

Prep Batch: WXX13187
Prep Method: METHOD
Prep Date/Time: 1/30/2020 11:05:00AM
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 02/04/2020 8:40:30AM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1200299 [WXX13187]
Blank Spike Lab ID: 1550321
Date Analyzed: 01/31/2020 15:16

Spike Duplicate ID: LCSD for HBN 1200299 [WXX13187]
Spike Duplicate Lab ID: 1550322
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1200299001, 1200299002, 1200299003, 1200299004, 1200299005, 1200299006, 1200299007

Results by **SM21 4500-N D**

	Blank Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Total Kjeldahl Nitrogen	4	4.15	104	4	4.30	107	(75-125)	3.60	(< 25)

Batch Information

Analytical Batch: **WDA4730**
Analytical Method: **SM21 4500-N D**
Instrument: **Discrete Analyzer 2**
Analyst: **DMM**

Prep Batch: **WXX13187**
Prep Method: **METHOD**
Prep Date/Time: **01/30/2020 11:05**
Spike Init Wt./Vol.: 4 mg/L Extract Vol: 25 mL
Dupe Init Wt./Vol.: 4 mg/L Extract Vol: 25 mL

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Matrix Spike Summary

Original Sample ID: 1200299001
MS Sample ID: 1550323 MS
MSD Sample ID: 1550324 MSD

Analysis Date: 01/31/2020 15:19
Analysis Date: 01/31/2020 15:20
Analysis Date: 01/31/2020 15:21
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1200299001, 1200299002, 1200299003, 1200299004, 1200299005, 1200299006, 1200299007

Results by **SM21 4500-N D**

		Matrix Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Total Kjeldahl Nitrogen	0.921J	4.00	5.26	108	4.00	5.17	106	75-125	1.70	(< 25)

Batch Information

Analytical Batch: WDA4730
Analytical Method: SM21 4500-N D
Instrument: Discrete Analyzer 2
Analyst: DMM
Analytical Date/Time: 1/31/2020 3:20:29PM

Prep Batch: WXX13187
Prep Method: Distillation TKN by Phenate (W)
Prep Date/Time: 1/30/2020 11:05:00AM
Prep Initial Wt./Vol.: 25.00mL
Prep Extract Vol: 25.00mL

Print Date: 02/04/2020 8:40:32AM

Method Blank

Blank ID: MB for HBN 1804181 [WXX/13189]
Blank Lab ID: 1550390

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1200299001, 1200299002

Results by **SM21 4500P-B,E**

Parameter	Results	LOQ/CL	DL	Units
Total Phosphorus	0.0200U	0.0400	0.0120	mg/L

Batch Information

Analytical Batch: WDA4731
Analytical Method: SM21 4500P-B,E
Instrument: Discrete Analyzer 2
Analyst: DMM
Analytical Date/Time: 2/3/2020 1:35:17PM

Prep Batch: WXX13189
Prep Method: SM21 4500P-B,E
Prep Date/Time: 2/3/2020 11:00:00AM
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1200299 [WXX13189]
Blank Spike Lab ID: 1550391
Date Analyzed: 02/03/2020 13:36

Spike Duplicate ID: LCSD for HBN 1200299 [WXX13189]
Spike Duplicate Lab ID: 1550392
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1200299001, 1200299002

Results by **SM21 4500P-B,E**

	Blank Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Total Phosphorus	0.2	0.195	98	0.2	0.194	97	(75-125)	0.77	(< 25)

Batch Information

Analytical Batch: **WDA4731**
Analytical Method: **SM21 4500P-B,E**
Instrument: **Discrete Analyzer 2**
Analyst: **DMM**

Prep Batch: **WXX13189**
Prep Method: **SM21 4500P-B,E**
Prep Date/Time: **02/03/2020 11:00**
Spike Init Wt./Vol.: 0.2 mg/L Extract Vol: 25 mL
Dupe Init Wt./Vol.: 0.2 mg/L Extract Vol: 25 mL

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Matrix Spike Summary

Original Sample ID: 1200299002
MS Sample ID: 1550393 MS
MSD Sample ID: 1550394 MSD

Analysis Date: 02/03/2020 13:38
Analysis Date: 02/03/2020 13:39
Analysis Date: 02/03/2020 13:40
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1200299001, 1200299002

Results by **SM21 4500P-B,E**

		Matrix Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Total Phosphorus	0.226	0.200	.427	101	0.200	0.444	109	75-125	4.00	(< 25)

Batch Information

Analytical Batch: WDA4731
Analytical Method: SM21 4500P-B,E
Instrument: Discrete Analyzer 2
Analyst: DMM
Analytical Date/Time: 2/3/2020 1:39:33PM

Prep Batch: WXX13189
Prep Method: Total Phosphorus (W) Ext.
Prep Date/Time: 2/3/2020 11:00:00AM
Prep Initial Wt./Vol.: 25.00mL
Prep Extract Vol: 25.00mL

Print Date: 02/04/2020 8:40:38AM

SGS 1200299

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CHAIN OF CUSTODY RECORD

Locations Nationwide
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New Jersey New York
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Instructions: Sections 1 - 5 must be filled out. Omissions may delay the onset of analysis.

Page 1 of 1

Section 1

CLIENT: Stantec

CONTACT: Jake Alward PHONE NO: 343-5202

PROJECT NAME: Wasilla WWTP PROJECT/ PWSID/ PERMIT#:

REPORTS TO: E-MAIL: jake.alward@stantec.com

INVOICE TO: QUOTE #: P.O. #: 3047004115

Section 2

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HH:MM	MATRIX/ MATRIX CODE	# CONTAINERS	Type C = COMP G = GRAB MI = Multi Incre-mental Soils	Preservative: 1	1	1	Na_2SO_4	Na_2SO_4	H_2SO_4	H_2SO_4				REMARKS/ LOC ID
							BOD	TSS	Nitrate/Nitrite	FC	TC (Quant) HACH	TKN/Ammonia HACH	TKN/Ammonia				
1AF	SW17	1/22/20	10:30	WATER	6	G	1	1	1	1	1	1					
2AF	SW18	"	11:10	"	6	"	1	1	1	1	1	1					
3AC	Effluent	"	13:00	"	2	"				1			1				
4A	MW1D	"	13:20	"	1	"							1				
5A	MW15	"	13:30	"	1	"							1				
6A	B5	"	13:12	"	1	"							1				
7A	A8	"	12:30	"	1	"							1				

Section 5

	Date	Time	
Relinquished By: (1)	1/22/20	1457	Received By:
Relinquished By: (2)			Received By:
Relinquished By: (3)			Received By:
Relinquished By: (4)	1/22/20	1457	Received For Laboratory By:

Section 4

DOD Project? Yes No

Cooler ID:

Data Deliverable Requirements:

Requested Turnaround Time and/or Special Instructions:

Profile # 348183 QM

Temp Blank °C: 0.9 D59

or Ambient [ ]

(See attached Sample Receipt Form)

Chain of Custody Seal: (Circle)

INTACT BROKEN ABSENT HD

(See attached Sample Receipt Form)

[ ] 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
[ ] 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557

e-Sample Receipt Form

SGS Workorder #: **1200299**

Review Criteria	Condition (Yes, No, N/A)	Exceptions Noted below
Chain of Custody / Temperature Requirements		Yes — Exemption permitted if sampler hand carries/delivers.
Were Custody Seals intact? Note # & location	N/A	Absent
COC accompanied samples?	Yes	
DOD: Were samples received in COC corresponding coolers?	N/A	
	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)?	Yes	Cooler ID: 1 @ 0.9 °C Therm. ID: D59
		Cooler ID: @ °C Therm. ID:
If samples received without a temperature blank, the "cooler temperature" will be documented instead & "COOLER TEMP" will be noted to the right. "ambient" or "chilled" will be noted if neither is available.		Cooler ID: @ °C Therm. ID:
		Cooler ID: @ °C Therm. ID:
		Cooler ID: @ °C Therm. ID:
*If >6°C, were samples collected <8 hours ago?	N/A	
If <0°C, were sample containers ice free?	N/A	
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?	Yes	
Do samples **match COC**** (i.e.,sample IDs,dates/times collected)?	No	Sample 3 had an extra container for Nitrate/Nitrite IC anaylsis. Proceeded with scheduling anaylsis.
**Note: If times differ <1hr, record details & login per COC.		
***Note: If sample information on containers differs from COC, SGS will default to COC information		
Were analytical requests clear? (i.e., method is specified for analyses with multiple option for analysis (Ex: BTEX, Metals)	Yes	
	N/A	***Exemption permitted for metals (e.g,200.8/6020A).
Were proper containers (type/mass/volume/preservative***)used?	Yes	
Volatile / LL-Hg Requirements		
Were Trip Blanks (i.e., VOAs, LL-Hg) in cooler with samples?	N/A	
Were all water VOA vials free of headspace (i.e., bubbles ≤ 6mm)?	N/A	
Were all soil VOAs field extracted with MeOH+BFB?	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

Container Id	Preservative	Container Condition	Container Id	Preservative	Container Condition
1200299001-A	Na2S2O3 for Chlorine Redu	OK			
1200299001-B	Na2S2O3 for Chlorine Redu	OK			
1200299001-C	H2SO4 to pH < 2	OK			
1200299001-D	No Preservative Required	OK			
1200299001-E	No Preservative Required	OK			
1200299001-F	No Preservative Required	OK			
1200299002-A	Na2S2O3 for Chlorine Redu	OK			
1200299002-B	Na2S2O3 for Chlorine Redu	OK			
1200299002-C	H2SO4 to pH < 2	OK			
1200299002-D	No Preservative Required	OK			
1200299002-E	No Preservative Required	OK			
1200299002-F	No Preservative Required	OK			
1200299003-A	Na2S2O3 for Chlorine Redu	OK			
1200299003-B	H2SO4 to pH < 2	OK			
1200299003-C	No Preservative Required	OK			
1200299004-A	H2SO4 to pH < 2	OK			
1200299005-A	H2SO4 to pH < 2	OK			
1200299006-A	H2SO4 to pH < 2	OK			
1200299007-A	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.
NC- The container provided was not preserved or was under-preserved. The method does not allow for additional preservative added after collection.
PA - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt and the container is now at the correct pH. See the Sample Receipt Form for details on the amount and lot # of the preservative added.
PH - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt, but was insufficient to bring the container to the correct pH for the analysis requested. See the Sample Receipt Form for details on the amount and lot # of the preservative added.
QN - Insufficient sample quantity provided.