

#### **Laboratory Report of Analysis**

To: USACE- Alaska District (COE)
CEPOA-EN-ES-M P.O. Box 898
Elmendorf AFB, AK 99506

(907) 753-2700

Report Number: 1223589

Client Project: 22-052 Wildwood Summer 2022 GW

Dear Sean Benjamin,

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

Print Date: 07/20/2022 3:37:46PM Results via Engage



#### **Case Narrative**

SGS Client: **USACE- Alaska District (COE)** SGS Project: **1223589** 

Project Name/Site: 22-052 Wildwood Summer 2022 GW

Project Contact: Sean Benjamin

Refer to	sample	receipt	form for	or inf	ormation	on sam	nple condition	٦.

\*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: 07/20/2022 3:37:47PM



#### **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 <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a>. 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 (Provisionally Certified as of 05/31/2022 for Nitrate as N by SM 4500NO3-F) & Microbiology & 17-021 (CS) for ADEC and 2944.01 for DOD ELAP/ISO17025 (RCRA methods: 1020B, 1311, 3010A, 3050B, 3520C, 3550C, 5030B, 5035A, 6020B, 7470A, 7471B, 8015C, 8021B, 8082A, 8260D, 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
TNTC Too Numerous To Count

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.

Print Date: 07/20/2022 3:37:49PM

SGS North America Inc. 200 West Potter Drive, Anchorage, AK 99518



# Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	<u>Matrix</u>
22WW-LF-MW01	1223589001	06/27/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-LF-MW01(1223589001BN	1223589002	06/27/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-LF-MW01(1223589001BN	1223589003	06/27/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-LF-MW02	1223589004	06/27/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-LF-MW03	1223589005	06/27/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-OF-MW01	1223589006	06/28/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-OF-MW02	1223589007	06/28/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-OF-MW03	1223589008	06/28/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-OF-MW04	1223589009	06/28/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-TF-MW11	1223589010	06/28/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-TF-MW23	1223589011	06/29/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-TF-MW24	1223589012	06/29/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-TF-MW24(1223589012BN	1223589013	06/29/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-TF-MW24(1223589012BN	1223589014	06/29/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-TF-MW50	1223589015	06/29/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-TF-MW06	1223589016	06/29/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-TF-MW04	1223589017	06/29/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-TF-MW03	1223589018	06/29/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-TF-AP397	1223589019	06/29/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-TF-MW30	1223589020	06/29/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-UST-MW01	1223589021	06/29/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-EB	1223589022	06/29/2022	06/30/2022	Water (Surface, Eff., Ground)
22WW-TB	1223589023	06/29/2022	06/30/2022	Water (Surface, Eff., Ground)

MethodMethod DescriptionAK102DRO Low Volume (W)

SW8260D Volatile Organic Compounds(W)Custom List



# **Detectable Results Summary**

Client Sample ID: 22WW-OF-MW01			
Lab Sample ID: 1223589006	<u>Parameter</u>	Result	<u>Units</u>
Semivolatile Organic Fuels	Diesel Range Organics	2.49	mg/L
Client Sample ID: 22WW-OF-MW02			
Lab Sample ID: 1223589007	<u>Parameter</u>	Result	<u>Units</u>
Semivolatile Organic Fuels	Diesel Range Organics	1.74	mg/L
Client Sample ID: 22WW-OF-MW03			
Lab Sample ID: 1223589008	<u>Parameter</u>	Result	<u>Units</u>
Semivolatile Organic Fuels	Diesel Range Organics	0.372J	mg/L
Client Sample ID: 22WW-OF-MW04			
Lab Sample ID: 1223589009	<u>Parameter</u>	Result	<u>Units</u>
Semivolatile Organic Fuels	Diesel Range Organics	1.55	mg/L
Client Sample ID: 22WW-TF-MW11			
Lab Sample ID: 1223589010	<u>Parameter</u>	Result	<u>Units</u>
Semivolatile Organic Fuels	Diesel Range Organics	7.67	mg/L
Client Sample ID: 22WW-TF-MW23			
Lab Sample ID: 1223589011	<u>Parameter</u>	Result	<u>Units</u>
Semivolatile Organic Fuels	Diesel Range Organics	0.699	mg/L
Client Sample ID: 22WW-TF-MW24			
Lab Sample ID: 1223589012	<u>Parameter</u>	Result	<u>Units</u>
Semivolatile Organic Fuels	Diesel Range Organics	1.20	mg/L
Client Sample ID: 22WW-TF-MW50			
Lab Sample ID: 1223589015	<u>Parameter</u>	Result	<u>Units</u>
Semivolatile Organic Fuels	Diesel Range Organics	0.969	mg/L
Client Sample ID: 22WW-TF-MW06			
Lab Sample ID: 1223589016	<u>Parameter</u>	Result	<u>Units</u>
Semivolatile Organic Fuels	Diesel Range Organics	3.26	mg/L
Client Sample ID: 22WW-TF-MW04			
Lab Sample ID: 1223589017	<u>Parameter</u>	Result	<u>Units</u>
Semivolatile Organic Fuels	Diesel Range Organics	6.61	mg/L
Client Sample ID: 22WW-TF-MW03			
Lab Sample ID: 1223589018	<u>Parameter</u>	Result	<u>Units</u>
Semivolatile Organic Fuels	Diesel Range Organics	2.79	mg/L
Client Sample ID: 22WW-TF-AP397			
Lab Sample ID: 1223589019	<u>Parameter</u>	Result	<u>Units</u>
Semivolatile Organic Fuels	Diesel Range Organics	0.496J	mg/L
Client Sample ID: 22WW-TF-MW30			
Lab Sample ID: 1223589020	<u>Parameter</u>	Result	<u>Units</u>
Semivolatile Organic Fuels	Diesel Range Organics	0.453J	mg/L

Print Date: 07/20/2022 3:37:51PM

200 West Potter Drive, Anchorage, AK 99518 t 907.562.2343 f 907.561.5301 www.us.sgs.com



#### **Detectable Results Summary**

Client Sample ID: 22WW-UST-MW01

Lab Sample ID: 1223589021ParameterResultUnitsSemivolatile Organic FuelsDiesel Range Organics0.299Jmg/L

Client Sample ID: 22WW-EB

Lab Sample ID: 1223589022ParameterResultUnitsSemivolatile Organic FuelsDiesel Range Organics0.256Jmg/L

Print Date: 07/20/2022 3:37:51PM



Client Sample ID: 22WW-LF-MW01

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589001 Lab Project ID: 1223589 Collection Date: 06/27/22 18:13 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: LF-MW1

# Results by Volatile GC/MS

<u>Parameter</u> Vinyl chloride	Result Qual 0.0750 U	<u>LOQ/CL</u> 0.150	<u>DL</u> 0.0500	<u>Units</u> ug/L	<u>DF</u> 1	Allowable Limits	<u>Date Analyzed</u> 07/09/22 14:22
Surrogates							
1,2-Dichloroethane-D4 (surr)	108	81-118		%	1		07/09/22 14:22
4-Bromofluorobenzene (surr)	102	85-114		%	1		07/09/22 14:22
Toluene-d8 (surr)	96.3	89-112		%	1		07/09/22 14:22

#### **Batch Information**

Analytical Batch: VMS21774 Analytical Method: SW8260D

Analyst: AZL

Analytical Date/Time: 07/09/22 14:22 Container ID: 1223589001-A Prep Batch: VXX38836 Prep Method: SW5030B Prep Date/Time: 07/09/22 06:00 Prep Initial Wt./Vol.: 5 mL Prep Extract Vol: 5 mL



Client Sample ID: 22WW-LF-MW02

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589004 Lab Project ID: 1223589 Collection Date: 06/27/22 18:29 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: LF-MW2

# Results by Volatile GC/MS

<u>Parameter</u> Vinyl chloride	<u>Result Qual</u> 0.0750 U	<u>LOQ/CL</u> 0.150	<u>DL</u> 0.0500	<u>Units</u> ug/L	<u>DF</u> 1	Allowable Limits	<u>Date Analyzed</u> 07/09/22 14:37
Surrogates							
1,2-Dichloroethane-D4 (surr)	109	81-118		%	1		07/09/22 14:37
4-Bromofluorobenzene (surr)	103	85-114		%	1		07/09/22 14:37
Toluene-d8 (surr)	95.6	89-112		%	1		07/09/22 14:37

#### **Batch Information**

Analytical Batch: VMS21774 Analytical Method: SW8260D

Analyst: AZL

Analytical Date/Time: 07/09/22 14:37 Container ID: 1223589004-A Prep Batch: VXX38836 Prep Method: SW5030B Prep Date/Time: 07/09/22 06:00 Prep Initial Wt./Vol.: 5 mL Prep Extract Vol: 5 mL



Client Sample ID: 22WW-LF-MW03

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589005 Lab Project ID: 1223589 Collection Date: 06/27/22 18:20 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: LF-MW3

# Results by Volatile GC/MS

<u>Parameter</u> Vinyl chloride	Result Qual 0.0750 U	<u>LOQ/CL</u> 0.150	<u>DL</u> 0.0500	<u>Units</u> ug/L	<u>DF</u> 1	Allowable Limits	<u>Date Analyzed</u> 07/09/22 14:52
Surrogates							
1,2-Dichloroethane-D4 (surr)	110	81-118		%	1		07/09/22 14:52
4-Bromofluorobenzene (surr)	102	85-114		%	1		07/09/22 14:52
Toluene-d8 (surr)	95.2	89-112		%	1		07/09/22 14:52

#### **Batch Information**

Analytical Batch: VMS21774 Analytical Method: SW8260D

Analyst: AZL

Analytical Date/Time: 07/09/22 14:52 Container ID: 1223589005-A Prep Batch: VXX38836
Prep Method: SW5030B
Prep Date/Time: 07/09/22 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL



Client Sample ID: 22WW-OF-MW01

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589006 Lab Project ID: 1223589 Collection Date: 06/28/22 09:55 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: OF-MW1

# Results by Semivolatile Organic Fuels

Parameter Diesel Range Organics	Result Qual	LOQ/CL	<u>DL</u>	<u>Units</u>	<u>DF</u>	Allowable	<u>Date Analyzed</u>
	2.49	0.545	0.182	mg/L	1	Limits	07/12/22 21:15
Surrogates 5a Androstane (surr)	72.6	50-150		%	1		07/12/22 21:15

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102

Analyst: MDT

Analytical Date/Time: 07/12/22 21:15 Container ID: 1223589006-A Prep Batch: XXX46580 Prep Method: SW3520C Prep Date/Time: 07/08/22 15:45 Prep Initial Wt./Vol.: 275 mL Prep Extract Vol: 1 mL



Client Sample ID: 22WW-OF-MW02

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589007 Lab Project ID: 1223589 Collection Date: 06/28/22 09:15 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: OF-MW2

# Results by Semivolatile Organic Fuels

Parameter Diesel Range Organics	Result Qual	LOQ/CL	<u>DL</u>	<u>Units</u>	<u>DF</u>	Allowable	<u>Date Analyzed</u>
	1.74	0.600	0.200	mg/L	1	Limits	07/12/22 21:25
Surrogates 5a Androstane (surr)	80.3	50-150		%	1		07/12/22 21:25

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102 Analyst: MDT

Analytical Date/Time: 07/12/22 21:25 Container ID: 1223589007-A Prep Batch: XXX46580 Prep Method: SW3520C Prep Date/Time: 07/08/22 15:45 Prep Initial Wt./Vol.: 250 mL Prep Extract Vol: 1 mL



Client Sample ID: 22WW-OF-MW03

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589008 Lab Project ID: 1223589 Collection Date: 06/28/22 08:47 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: OF-MW3

# Results by Semivolatile Organic Fuels

Parameter Diesel Range Organics	Result Qual	LOQ/CL	<u>DL</u>	<u>Units</u>	<u>DF</u>	Allowable	<u>Date Analyzed</u>
	0.372 J	0.600	0.200	mg/L	1	Limits	07/12/22 21:56
Surrogates 5a Androstane (surr)	60.4	50-150		%	1		07/12/22 21:56

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102

Analyst: MDT

Analytical Date/Time: 07/12/22 21:56 Container ID: 1223589008-A Prep Batch: XXX46580 Prep Method: SW3520C Prep Date/Time: 07/08/22 15:45 Prep Initial Wt./Vol.: 250 mL Prep Extract Vol: 1 mL



Client Sample ID: 22WW-OF-MW04

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589009 Lab Project ID: 1223589 Collection Date: 06/28/22 09:20 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: OF-MW4

# Results by Semivolatile Organic Fuels

<u>Parameter</u>	Result Qual	LOQ/CL	<u>DL</u>	<u>Units</u>	<u>DF</u>	Allowable	<u>Date Analyzed</u>
Diesel Range Organics	1.55	0.600	0.200	mg/L	1	Limits	07/12/22 22:07
Surrogates 5a Androstane (surr)	73.6	50-150		%	1		07/12/22 22:07

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102

Analyst: MDT

Analytical Date/Time: 07/12/22 22:07 Container ID: 1223589009-A Prep Batch: XXX46580 Prep Method: SW3520C Prep Date/Time: 07/08/22 15:45 Prep Initial Wt./Vol.: 250 mL Prep Extract Vol: 1 mL



Client Sample ID: 22WW-TF-MW11

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589010 Lab Project ID: 1223589 Collection Date: 06/28/22 13:20 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: TF-MW11

# Results by Semivolatile Organic Fuels

<u>Parameter</u>	Result Qual	LOQ/CL	<u>DL</u>	<u>Units</u>	<u>DF</u>	Allowable	<u>Date Analyzed</u>
Diesel Range Organics	7.67	0.577	0.192	mg/L	1	Limits	07/12/22 22:17
Surrogates 5a Androstane (surr)	82.7	50-150		%	1		07/12/22 22:17

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102

Analyst: MDT

Analytical Date/Time: 07/12/22 22:17 Container ID: 1223589010-A Prep Batch: XXX46580 Prep Method: SW3520C Prep Date/Time: 07/08/22 15:45 Prep Initial Wt./Vol.: 260 mL Prep Extract Vol: 1 mL



Client Sample ID: 22WW-TF-MW23

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589011 Lab Project ID: 1223589 Collection Date: 06/29/22 09:05 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: TF-MW23

# Results by Semivolatile Organic Fuels

						<u>Allowable</u>	
<u>Parameter</u>	Result Qual	LOQ/CL	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Limits</u>	Date Analyzed
Diesel Range Organics	0.699	0.577	0.192	mg/L	1		07/12/22 22:27
Surrogates							
5a Androstane (surr)	77.7	50-150		%	1		07/12/22 22:27

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102

Analyst: MDT

Analytical Date/Time: 07/12/22 22:27 Container ID: 1223589011-A Prep Batch: XXX46580 Prep Method: SW3520C Prep Date/Time: 07/08/22 15:45 Prep Initial Wt./Vol.: 260 mL Prep Extract Vol: 1 mL



Client Sample ID: 22WW-TF-MW24

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589012 Lab Project ID: 1223589 Collection Date: 06/29/22 08:54 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: TF-MW24

# Results by Semivolatile Organic Fuels

<u>Parameter</u>	Result Qual	LOQ/CL	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Allowable</u> <u>Limits</u>	Date Analyzed
Diesel Range Organics	1.20	0.577	0.192	mg/L	1		07/12/22 22:37
Surrogates							
5a Androstane (surr)	79.4	50-150		%	1		07/12/22 22:37

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102

Analyst: MDT

Analytical Date/Time: 07/12/22 22:37 Container ID: 1223589012-A Prep Batch: XXX46580 Prep Method: SW3520C Prep Date/Time: 07/08/22 15:45 Prep Initial Wt./Vol.: 260 mL Prep Extract Vol: 1 mL



Client Sample ID: 22WW-TF-MW50

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589015 Lab Project ID: 1223589 Collection Date: 06/29/22 09:00 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: TF-MW50

# Results by Semivolatile Organic Fuels

Parameter Diesel Range Organics	Result Qual	LOQ/CL	<u>DL</u>	<u>Units</u>	<u>DF</u>	Allowable	<u>Date Analyzed</u>
	0.969	0.566	0.189	mg/L	1	Limits	07/12/22 23:08
<b>Surrogates</b> 5a Androstane (surr)	76.5	50-150		%	1		07/12/22 23:08

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102

Analyst: MDT

Analytical Date/Time: 07/12/22 23:08 Container ID: 1223589015-A Prep Batch: XXX46580 Prep Method: SW3520C Prep Date/Time: 07/08/22 15:45 Prep Initial Wt./Vol.: 265 mL Prep Extract Vol: 1 mL



Client Sample ID: 22WW-TF-MW06

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589016 Lab Project ID: 1223589 Collection Date: 06/29/22 10:10 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: TF-MW06

# Results by Semivolatile Organic Fuels

<u>Parameter</u>	Result Qual	<u>LOQ/CL</u>	<u>DL</u>	<u>Units</u>	<u>DF</u>	Allowable	<u>Date Analyzed</u>
Diesel Range Organics	3.26	0.577	0.192	mg/L	1	Limits	07/12/22 23:19
Surrogates 5a Androstane (surr)	71.2	50-150		%	1		07/12/22 23:19

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102

Analyst: MDT

Analytical Date/Time: 07/12/22 23:19 Container ID: 1223589016-A Prep Batch: XXX46580 Prep Method: SW3520C Prep Date/Time: 07/08/22 15:45 Prep Initial Wt./Vol.: 260 mL Prep Extract Vol: 1 mL



Client Sample ID: 22WW-TF-MW04

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589017 Lab Project ID: 1223589 Collection Date: 06/29/22 10:39 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: TF-MW04

# Results by Semivolatile Organic Fuels

<u>Parameter</u>	Result Qual	LOQ/CL	<u>DL</u>	<u>Units</u>	<u>DF</u>	Allowable	<u>Date Analyzed</u>
Diesel Range Organics	6.61	0.577	0.192	mg/L	1	Limits	07/12/22 23:29
Surrogates 5a Androstane (surr)	76.4	50-150		%	1		07/12/22 23:29

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102

Analyst: MDT

Analytical Date/Time: 07/12/22 23:29 Container ID: 1223589017-A Prep Batch: XXX46580 Prep Method: SW3520C Prep Date/Time: 07/08/22 15:45 Prep Initial Wt./Vol.: 260 mL Prep Extract Vol: 1 mL



Client Sample ID: 22WW-TF-MW03

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589018 Lab Project ID: 1223589 Collection Date: 06/29/22 11:02 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: TF-MW03

# Results by Semivolatile Organic Fuels

						<u>Allowable</u>	
<u>Parameter</u>	Result Qual	LOQ/CL	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Limits</u>	Date Analyzed
Diesel Range Organics	2.79	0.588	0.196	mg/L	1		07/12/22 23:39
Surrogates							
5a Androstane (surr)	70.9	50-150		%	1		07/12/22 23:39

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102

Analyst: MDT

Analytical Date/Time: 07/12/22 23:39 Container ID: 1223589018-A Prep Batch: XXX46580 Prep Method: SW3520C Prep Date/Time: 07/08/22 15:45 Prep Initial Wt./Vol.: 255 mL Prep Extract Vol: 1 mL



Client Sample ID: 22WW-TF-AP397

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589019 Lab Project ID: 1223589 Collection Date: 06/29/22 14:30 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: TF-AP397

# Results by Semivolatile Organic Fuels

Parameter Diesel Range Organics	Result Qual	LOQ/CL	<u>DL</u>	<u>Units</u>	<u>DF</u>	Allowable	<u>Date Analyzed</u>
	0.496 J	0.588	0.196	mg/L	1	Limits	07/12/22 23:49
Surrogates 5a Androstane (surr)	73	50-150		%	1		07/12/22 23:49

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102

Analyst: MDT

Analytical Date/Time: 07/12/22 23:49 Container ID: 1223589019-A Prep Batch: XXX46580 Prep Method: SW3520C Prep Date/Time: 07/08/22 15:45 Prep Initial Wt./Vol.: 255 mL Prep Extract Vol: 1 mL



Client Sample ID: 22WW-TF-MW30

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589020 Lab Project ID: 1223589 Collection Date: 06/29/22 15:41 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: TF-MW30

# Results by Semivolatile Organic Fuels

<u>Parameter</u>	Result Qual	LOQ/CL	<u>DL</u>	<u>Units</u>	<u>DF</u>	Allowable	<u>Date Analyzed</u>
Diesel Range Organics	0.453 J	0.566	0.189	mg/L	1	Limits	07/13/22 00:00
Surrogates 5a Androstane (surr)	88.3	50-150		%	1		07/13/22 00:00

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102

Analyst: MDT

Analytical Date/Time: 07/13/22 00:00 Container ID: 1223589020-A Prep Batch: XXX46580 Prep Method: SW3520C Prep Date/Time: 07/08/22 15:45 Prep Initial Wt./Vol.: 265 mL Prep Extract Vol: 1 mL



Client Sample ID: 22WW-UST-MW01

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589021 Lab Project ID: 1223589 Collection Date: 06/29/22 12:01 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: UST-MW01

# Results by Semivolatile Organic Fuels

						<u>Allowable</u>	
<u>Parameter</u>	Result Qual	LOQ/CL	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Limits</u>	Date Analyzed
Diesel Range Organics	0.299 J	0.577	0.192	mg/L	1		07/13/22 00:10
Surrogates							
5a Androstane (surr)	78	50-150		%	1		07/13/22 00:10

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102

Analyst: MDT

Analytical Date/Time: 07/13/22 00:10 Container ID: 1223589021-A

Prep Batch: XXX46580 Prep Method: SW3520C Prep Date/Time: 07/08/22 15:45 Prep Initial Wt./Vol.: 260 mL Prep Extract Vol: 1 mL



#### Results of 22WW-EB

Client Sample ID: 22WW-EB

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589022 Lab Project ID: 1223589 Collection Date: 06/29/22 14:10 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%): Location: EB

# Results by Semivolatile Organic Fuels

						<u>Allowable</u>	
<u>Parameter</u>	Result Qual	LOQ/CL	<u>DL</u>	<u>Units</u>	<u>DF</u>	<u>Limits</u>	Date Analyzed
Diesel Range Organics	0.256 J	0.612	0.204	mg/L	1		07/13/22 00:20
Surrogates							
5a Androstane (surr)	86.4	50-150		%	1		07/13/22 00:20

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102

Analyst: MDT

Analytical Date/Time: 07/13/22 00:20 Container ID: 1223589022-A

Prep Batch: XXX46580 Prep Method: SW3520C Prep Date/Time: 07/08/22 15:45 Prep Initial Wt./Vol.: 245 mL Prep Extract Vol: 1 mL



#### Results of 22WW-EB

Client Sample ID: 22WW-EB

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589022 Lab Project ID: 1223589 Collection Date: 06/29/22 14:10 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%): Location: EB

# Results by Volatile GC/MS

<u>Parameter</u> Vinyl chloride	<u>Result Qual</u> 0.0750 U	<u>LOQ/CL</u> 0.150	<u>DL</u> 0.0500	<u>Units</u> ug/L	<u>DF</u> 1	Allowable Limits	<u>Date Analyzed</u> 07/11/22 22:32
Surrogates							
1,2-Dichloroethane-D4 (surr)	108	81-118		%	1		07/11/22 22:32
4-Bromofluorobenzene (surr)	102	85-114		%	1		07/11/22 22:32
Toluene-d8 (surr)	96	89-112		%	1		07/11/22 22:32

#### **Batch Information**

Analytical Batch: VMS21782 Analytical Method: SW8260D

Analyst: AZL

Analytical Date/Time: 07/11/22 22:32 Container ID: 1223589022-C Prep Batch: VXX38846 Prep Method: SW5030B Prep Date/Time: 07/11/22 06:00 Prep Initial Wt./Vol.: 5 mL Prep Extract Vol: 5 mL



#### Results of 22WW-TB

Client Sample ID: 22WW-TB

Client Project ID: 22-052 Wildwood Summer 2022 GW

Lab Sample ID: 1223589023 Lab Project ID: 1223589 Collection Date: 06/29/22 16:00 Received Date: 06/30/22 14:35 Matrix: Water (Surface, Eff., Ground)

Solids (%):

Location: T. BLANK

# Results by Volatile GC/MS

<u>Parameter</u> Vinyl chloride	<u>Result Qual</u> 0.0750 U	<u>LOQ/CL</u> 0.150	<u>DL</u> 0.0500	<u>Units</u> ug/L	<u>DF</u> 1	Allowable Limits	<u>Date Analyzed</u> 07/11/22 18:46
Surrogates 1,2-Dichloroethane-D4 (surr)	106	81-118	0.0000	%	1		07/11/22 18:46
4-Bromofluorobenzene (surr) Toluene-d8 (surr)	104 97.1	85-114 89-112		% %	1 1		07/11/22 18:46 07/11/22 18:46

#### **Batch Information**

Analytical Batch: VMS21782 Analytical Method: SW8260D

Analyst: AZL

Analytical Date/Time: 07/11/22 18:46 Container ID: 1223589023-A Prep Batch: VXX38846
Prep Method: SW5030B
Prep Date/Time: 07/11/22 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL



#### **Method Blank**

Blank ID: MB for HBN 1839562 [VXX/38836]

Blank Lab ID: 1672614

QC for Samples:

1223589001, 1223589004, 1223589005

Matrix: Water (Surface, Eff., Ground)

#### Results by SW8260D

<u>Parameter</u> Vinyl chloride	Results 0.0750U	<u>LOQ/CL</u> 0.150	<u>DL</u> 0.0500	<u>Units</u> ug/L
Surrogates				
1,2-Dichloroethane-D4 (surr)	108	81-118		%
4-Bromofluorobenzene (surr)	103	85-114		%
Toluene-d8 (surr)	96.2	89-112		%

#### **Batch Information**

Analytical Batch: VMS21774 Analytical Method: SW8260D

Instrument: Agilent 7890-75MS

Analyst: AZL

Analytical Date/Time: 7/9/2022 10:06:00AM

Prep Batch: VXX38836

Prep Method: SW5030B

Prep Date/Time: 7/9/2022 6:00:00AM

Prep Initial Wt./Vol.: 5 mL Prep Extract Vol: 5 mL

Print Date: 07/20/2022 3:37:55PM



#### **Blank Spike Summary**

Blank Spike ID: LCS for HBN 1223589 [VXX38836]

Blank Spike Lab ID: 1672615 Date Analyzed: 07/09/2022 10:53 Spike Duplicate ID: LCSD for HBN 1223589

[VXX38836]

Spike Duplicate Lab ID: 1672616 Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1223589001, 1223589004, 1223589005

#### Results by SW8260D

		Blank Spike (ug/L)			Spike Dupli	cate (ug/L)			
<u>Parameter</u>	<u>Spike</u>	Result	Rec (%)	<u>Spike</u>	Result	Rec (%)	<u>CL</u>	RPD (%)	RPD CL
Vinyl chloride	30	29.1	97	30	31.5	105	(58-137)	7.80	(< 20 )
Surrogates									
1,2-Dichloroethane-D4 (surr)	30		99	30		100	(81-118)	1.20	
4-Bromofluorobenzene (surr)	30		102	30		102	(85-114)	0.10	
Toluene-d8 (surr)	30		96	30		99	(89-112)	3.50	

#### **Batch Information**

Analytical Batch: VMS21774
Analytical Method: SW8260D

Instrument: Agilent 7890-75MS

Analyst: AZL

Prep Batch: VXX38836
Prep Method: SW5030B

Prep Date/Time: 07/09/2022 06:00

Spike Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL Dupe Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL

Print Date: 07/20/2022 3:37:57PM



#### **Billable Matrix Spike Summary**

Original Sample ID: 1223589001 MS Sample ID: 1223589002 BMS MSD Sample ID: 1223589003 BMSD

QC for Samples:

Analysis Date: 07/09/2022 14:22 Analysis Date: 07/09/2022 11:53 Analysis Date: 07/09/2022 12:08

Matrix: Water (Surface, Eff., Ground)

#### Results by SW8260D

		Ма	trix Spike (	(ug/L)	Spik	e Duplicate	e (ug/L)			
<u>Parameter</u>	<u>Sample</u>	Spike	Result	Rec (%)	<u>Spike</u>	Result	Rec (%)	CL	RPD (%)	RPD CL
Vinyl chloride	0.0750U	30.0	31.1	104	30.0	30.3	101	58-137	2.70	(< 20 )
Surrogates										
1,2-Dichloroethane-D4 (surr)		30.0	29.9	100	30.0	30.1	100	81-118	0.67	
4-Bromofluorobenzene (surr)		30.0	30.5	102	30.0	30.6	102	85-114	0.23	
Toluene-d8 (surr)		30.0	29.6	99	30.0	29.6	99	89-112	0.30	

#### **Batch Information**

Analytical Batch: VMS21774 Analytical Method: SW8260D

Instrument: Agilent 7890-75MS

Analyst: AZL

Analytical Date/Time: 7/9/2022 11:53:00AM

Prep Batch: VXX38836

Prep Method: Volatiles Extraction 8240/8260 Prep Date/Time: 7/9/2022 6:00:00AM

Prep Initial Wt./Vol.: 5.00mL Prep Extract Vol: 5.00mL

Print Date: 07/20/2022 3:37:58PM



#### **Method Blank**

Blank ID: MB for HBN 1839627 [VXX/38846]

Blank Lab ID: 1672871

QC for Samples:

1223589022, 1223589023

Matrix: Water (Surface, Eff., Ground)

# Results by SW8260D

<u>Parameter</u> Vinyl chloride	Results 0.0750U	<u>LOQ/CL</u> 0.150	<u>DL</u> 0.0500	<u>Units</u> ug/L
Surrogates				
1,2-Dichloroethane-D4 (surr)	109	81-118		%
4-Bromofluorobenzene (surr)	103	85-114		%
Toluene-d8 (surr)	97.1	89-112		%

#### **Batch Information**

Analytical Batch: VMS21782 Analytical Method: SW8260D

Instrument: Agilent 7890-75MS

Analyst: AZL

Analytical Date/Time: 7/11/2022 4:14:00PM

Prep Batch: VXX38846 Prep Method: SW5030B

Prep Date/Time: 7/11/2022 6:00:00AM

Prep Initial Wt./Vol.: 5 mL Prep Extract Vol: 5 mL

Print Date: 07/20/2022 3:37:59PM



#### **Blank Spike Summary**

Blank Spike ID: LCS for HBN 1223589 [VXX38846]

Blank Spike Lab ID: 1672872 Date Analyzed: 07/11/2022 16:29

QC for Samples: 1223589022, 1223589023

Spike Duplicate ID: LCSD for HBN 1223589

[VXX38846]

Spike Duplicate Lab ID: 1672873 Matrix: Water (Surface, Eff., Ground)

### Results by SW8260D

		Blank Spike	e (ug/L)	;	Spike Dupli	cate (ug/L)			
<u>Parameter</u>	<u>Spike</u>	Result	Rec (%)	<u>Spike</u>	Result	Rec (%)	<u>CL</u>	RPD (%)	RPD CL
Vinyl chloride	30	26.6	89	30	26.1	87	(58-137)	2.20	(< 20 )
Surrogates									
1,2-Dichloroethane-D4 (surr)	30		100	30		100	(81-118)	0.53	
4-Bromofluorobenzene (surr)	30		102	30		102	(85-114)	0.39	
Toluene-d8 (surr)	30		100	30		100	(89-112)	0.27	

#### **Batch Information**

Analytical Batch: VMS21782 Analytical Method: SW8260D Instrument: Agilent 7890-75MS

Analyst: AZL

Prep Batch: VXX38846
Prep Method: SW5030B

Prep Date/Time: 07/11/2022 06:00

Spike Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL Dupe Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL

Print Date: 07/20/2022 3:38:01PM



#### Method Blank

Blank ID: MB for HBN 1839382 [XXX/46580]

Blank Lab ID: 1672372

QC for Samples:

1223589006, 1223589007, 1223589008, 1223589009, 1223589010, 1223589011, 1223589012, 1223589015, 1223589016,

Matrix: Water (Surface, Eff., Ground)

1223589017, 1223589018, 1223589019, 1223589020, 1223589021, 1223589022

Results by AK102

 Parameter
 Results
 LOQ/CL
 DL
 Units

 Diesel Range Organics
 0.300U
 0.600
 0.200
 mg/L

**Surrogates** 

5a Androstane (surr) 92.1 60-120 %

**Batch Information** 

Analytical Batch: XFC16282 Prep Batch: XXX46580 Analytical Method: AK102 Prep Method: SW3520C

Instrument: Agilent 7890B R Prep Date/Time: 7/8/2022 3:45:22PM

Analyst: MDT Prep Initial Wt./Vol.: 250 mL Analytical Date/Time: 7/12/2022 8:44:00PM Prep Extract Vol: 1 mL

Print Date: 07/20/2022 3:38:03PM



#### **Blank Spike Summary**

Blank Spike ID: LCS for HBN 1223589 [XXX46580]

Blank Spike Lab ID: 1672373

Date Analyzed: 07/12/2022 20:54

Spike Duplicate ID: LCSD for HBN 1223589

[XXX46580]

Spike Duplicate Lab ID: 1672374

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1223589006, 1223589007, 1223589008, 1223589009, 1223589010, 1223589011, 1223589012,

1223589015, 1223589016, 1223589017, 1223589018, 1223589019, 1223589020, 1223589021,

1223589022

#### Results by AK102

		Blank Spike	(mg/L)	5	Spike Dupli	cate (mg/L)			
<u>Parameter</u>	<u>Spike</u>	Result	Rec (%)	<u>Spike</u>	Result	Rec (%)	<u>CL</u>	RPD (%)	RPD CL
Diesel Range Organics	20	21.4	107	20	19.1	96	(75-125)	11.50	(< 20 )
Surrogates									
5a Androstane (surr)	0.4		101	0.4		93	(60-120)	8.30	

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102 Instrument: Agilent 7890B R

Analyst: MDT

Prep Batch: XXX46580
Prep Method: SW3520C

Prep Date/Time: 07/08/2022 15:45

Spike Init Wt./Vol.: 0.4 mg/L Extract Vol: 1 mL Dupe Init Wt./Vol.: 0.4 mg/L Extract Vol: 1 mL

Print Date: 07/20/2022 3:38:05PM



#### **Billable Matrix Spike Summary**

Original Sample ID: 1223589012 MS Sample ID: 1223589013 BMS MSD Sample ID: 1223589014 BMSD

QC for Samples:

Analysis Date: 07/12/2022 22:37 Analysis Date: 07/12/2022 22:48 Analysis Date: 07/12/2022 22:58 Matrix: Water (Surface, Eff., Ground)

#### Results by AK102

Troodito by Arriva										
		Matrix Spike (mg/L)			Spike	Duplicate	e (mg/L)			
<u>Parameter</u>	<u>Sample</u>	Spike	Result	Rec (%)	<u>Spike</u>	Result	Rec (%)	<u>CL</u>	RPD (%)	RPD CL
Diesel Range Organics	1.20	19.2	21.4	105	19.2	17.8	86	75-125	18.70	(< 30 )
Surrogates										
5a Androstane (surr)		0.385	.389	101	0.385	0.336	88	50-150	14.60	

#### **Batch Information**

Analytical Batch: XFC16282 Analytical Method: AK102

Instrument: Agilent 7890B R Analyst: MDT

Analytical Date/Time: 7/12/2022 10:48:00PM

Prep Batch: XXX46580

Prep Method: Cont. Liq/Liq Ext. for AK102 Low Volume

Prep Date/Time: 7/8/2022 3:45:22PM Prep Initial Wt./Vol.: 260.00mL Prep Extract Vol: 1.00mL

Print Date: 07/20/2022 3:38:07PM

# 1223589

# U.S. Army Corps of Engineers **Chain of Custody**

SHIP TO:

SGS

200 W Potter

907-562-2343

Anchroage, AK 99518

Cooler name: WILDWOOD 2022

Chain of Custody Number:

									ps	55,	229	2 ×	2
PROJ NO.	PROJECT NAM		CTT O										
22-052		ummer 2022	GW Sampling	4		<u> </u>	_ 1						
SAMPLERS:	(Signature)				ers	×	lij						
Jenny Salamanca/Jake		T		×	tair	7 (T	g (S						
SAMPLE ID#	Datë	Time	Location ID	Matrox	Containers	AK102 (DRO)	8260D (Vinyl Chloride)						
			(10 char. max)	Σ	#	4	2 2						DAC BAC REMARKS
22WW-LF-MW01		1813	LF-MW1	GW	9	÷	X						MS/MSD THIS SAMPLE
- 22WW-LF-MW02	27-Jun-22	1829	LF-MW2	GW	3		X						
22WW-LF-MW03		1820	LF-MW3	GW	3		Х						
22WW-OF-MW01		955	OF-MW1	GW	2	Х							
22WW-OF-MW02		915	OF-MW2	GW	2	Х							
22WW-OF-MW03		847	OF-MW3	GW	2	Х							
22WW-OF-MW04		920	OF-MW4	GW	2	Х							
22WW-TF-MW11		1320	TF-MW11	GW	2	X							
22WW-TF-MW23		905	TF-MW23	GW	2	Х							(3)AB (14)AB
22WW-TF-MW24		854	TF-MW24	GW	6	Х							MS/MSD THIS SAMPLE
22WW-TF-MW50		900	TF-MW50	GW	2	Х							
22WW-TF-MW06	B	1010	TF-MW06	GW	2	Х							
22WW-TF-MW04		1039	TF-MW04	GW	2	Х							
22WW-TF-MW03		1102	TF-MW03	GW	2	Х		****					
<b>22WW-TF-AP397</b>	29-Jun-22	1430	TF-AP397	GW	2	Х							
🕻 22WW-TF-MW30		1541	TF-MW30	GW	2	X							
22WW-UST-MW0	1 29-Jun-22	1201	UST-MW01	GW	2	Х							
22WW-EB	29-Jun-22	1410	EB	GW	5	Х	Х						
22WW-TB	29-Jun-22	1600	T. BLANK	GW	3		X						TRIP BLANK
Relinquished by:	(Signature)	Date	Time	Receive	d by: <i>(S</i>	Signatur	e)		Date		Time		Remarks
	•			4.	De la Constitución de la Constit	*							
Relinquished by:	(Signature)	Date .	Time	Receive	d by: (S	Signatur	·e)		Date	-	Time		Level IV PDF
Relinquished by:	(Signature)	Date	Time	Rec'd at	Lab by:	(Sigr	iature)		Date		Time		SEDD EDD
				1	MX	W	3	-	6/3	0)72	14	35	Std Turn

Distribution: Original accompanies Shipment; Copy to Coordinate Field Files

# Laboratory Contract #

Credit Card: Call Sean Benjamin

Temp. Blank: 40 D59 absent HC



CCC	e-Sam <u>p</u>	le Receipt Form		
<u> 202</u>	SGS Workorder #:	1223	589	1223589
	Review Criteria	Condition (Yes, No, N/A	Excep	otions Noted below
Chain of Cus	tody / Temperature Requirements	Note: Ter	mperature and COC seal info	ormation is found on the chain of custody form
DOD only: Did all	sample coolers have a corresponding (	COC? N/A		
	If <0°C, were sample containers ice	free? N/A		
	Note containers receive	d with ice:		
	containers received at non-compliant ter  (Use form FS-0029 if more space i	s needed)		
	mentation / Sample Condition Req		er to form F-083 "Sample Guid	de" for specific holding times and sample containers.
	mples received within analytical holding ble labels match COC? Record discrepa			
	on containers differs from COC, default times differ <1hr, record details & login			
	Were analytical requests of	clear? Yes		
	d for analyses with multiple option for me 021 vs 8260, Metals 6020 vs 200.8)	ethod		
·	niners (type/mass/volume/preservative)u for metals analysis by 200.8/6020 in wa			
Volatile Analysis	Requirements (VOC, GRO, LL-Hg	, etc.)		
	ved with a corresponding % solids conta			
	s (e.g., VOAs, LL-Hg) in cooler with sam			
Were all water VOA vi	als free of headspace (e.g., bubbles ≤ 6	mm)? Yes		
Were all s	oil VOAs field extracted with Methanol+	BFB? N/A		
Note to Client:	Any "No", answer above indicates non-c	compliance with st	andard procedures	and may impact data quality.
	Additional ı	notes (if applica	ıble):	

F102b\_SRFpm\_20210526 36 of 38



# **Sample Containers and Preservatives**

Container Id	<u>Preservative</u>	Container Condition	Container Id	<u>Preservative</u>	Container Condition
1223589001-A	HCL to pH < 2	ОК	1223589022-C	HCL to pH < 2	OK
1223589001-B	HCL to pH < 2	OK	1223589022-D	HCL to pH < 2	OK
1223589001-C	HCL to pH < 2	OK	1223589022-E	HCL to pH < 2	OK
1223589002-A	HCL to pH < 2	OK	1223589023-A	HCL to pH < 2	OK
1223589002-R	HCL to pH < 2	OK	1223589023-B	HCL to pH < 2	OK
1223589002-C	HCL to pH < 2	OK	1223589023-C	HCL to pH < 2	OK
1223589002 C	HCL to pH < 2	OK	1223303023 C		O.C
1223589003 A	HCL to pH < 2	OK			
1223589003-C	HCL to pH < 2	OK			
1223589003 C	HCL to pH < 2	OK			
1223589004-B	HCL to pH < 2	OK			
1223589004 B	HCL to pH < 2	OK			
1223589004 C	HCL to pH < 2	OK			
1223589005-B	HCL to pH < 2	OK			
1223589005 B	HCL to pH < 2	OK			
1223589005-C	HCL to pH < 2	OK			
1223589006 A	HCL to pH < 2	OK			
1223589000-В 1223589007-А	HCL to pH < 2	OK			
1223589007-A	HCL to pH < 2	OK			
1223589007-В 1223589008-А	HCL to pH < 2	OK			
	HCL to pH < 2	OK			
1223589008-B	HCL to pH < 2				
1223589009-A	HCL to pH < 2	OK OK			
1223589009-B	HCL to pH < 2				
1223589010-A	HCL to pH < 2	OK			
1223589010-B	HCL to pH < 2	OK			
1223589011-A	HCL to pH < 2	OK			
1223589011-B	HCL to pH < 2	OK			
1223589012-A	HCL to pH < 2	OK			
1223589012-B	HCL to pH < 2	OK			
1223589013-A	HCL to pH < 2	OK			
1223589013-B	HCL to pH < 2	OK			
1223589014-A	HCL to pH < 2	OK			
1223589014-B	HCL to pH < 2	OK			
1223589015-A		OK			
1223589015-B	HCL to pH < 2	OK			
1223589016-A	HCL to pH < 2	OK			
1223589016-B	HCL to pH < 2 HCL to pH < 2	OK			
1223589017-A		OK			
1223589017-B	HCL to pH < 2	OK			
1223589018-A	HCL to pH < 2 HCL to pH < 2	OK			
1223589018-B	•	OK			
1223589019-A	HCL to pH < 2	OK			
1223589019-B	HCL to pH < 2	OK			
1223589020-A	HCL to pH < 2	OK			
1223589020-B	HCL to pH < 2	OK			
1223589021-A	HCL to pH < 2	OK			
1223589021-B	HCL to pH < 2	OK			
1223589022-A	HCL to pH < 2	OK			
1223589022-B	HCL to pH < 2	OK			

37 of 38

<u>Container Id Preservative Container Id Preservative Container Id Container Id Preservative Condition</u>

#### **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.