3-TIER
ALASKA
CIVIL ENGINEERING & SURVEYING

March 27, 2025
1014-137

Alaska Department of Environmental Conservation
Division of Spill Prevention and Response
Contaminated Sites Program
555 Cordova St
Anchorage, Alaska 99501

Attention: **Dawn Wilburn**
Environmental Program Specialist III

Re: 2025 Port Willim Former Cannery Cleanup Efforts (ADEC File #2600.38.004)

Dear Ms. Wilburn:

This letter documents the sampling efforts and results from Port William Former Cannery, hereafter referred to as Port William, on Shuyak Island, Alaska. 3-Tier Alaska (3TA) is managing the cleanup efforts scheduled for this spring at Port William. On March 13, 2025, 3TA conducted a site visit to collect baseline and treated effluent samples from the secondary containment of the facility's tank farm. The objective of this sampling was to evaluate the effectiveness of the proposed water treatment system before cleanup activities commence at the site.

Per the ADEC-approved 2025 Cleanup Work Plan for Port William, 3TA traveled to the site to collect baseline sample (TF1), along with a duplicate sample (TF2), from the secondary containment of the facility's tank farm to determine if lead was a contaminant of concern. 3TA collected the sample at the location where lead was detected at its highest concentration during the site visit in September of 2022. The sample was collected from the entire water column using a coliwasa tube. Additionally, 3TA collected samples from the surface of the water where sheen was observed and had it analyzed for petroleum contaminants (diesel range organics (DRO), residual range organics (RRO), volatile organic compounds (VOC), and polycyclic aromatic hydrocarbons (PAH)).

After collecting baseline samples, 3TA set up a water treatment system to treat impacted water located inside the facility's secondary containment in order to access sludge and soil beneath the facility's containment. To treat impacted water, 3TA set up a 55-gallon water scrubber system in combination with two granular activated carbon (GAC) systems. 3TA pumped water from the secondary containment into an Absorbent W® water scrubber. To minimize the transport of sediment from the base of the containment area, the pump was placed inside a perforated 5-gallon bucket. Water treated by the water scrubber then flow through a 5-gallon Acti-R GAC, designed to remove DRO and RRO, followed by a 5-gallon BC830 GAC, specifically designed to remove metals, including lead. To prevent the potential spread of contamination, treated water was directed back into the secondary containment. 3TA collected one treated effluent sample (TE1) directly from the second GAC and had it analyzed for lead, DRO, RRO, VOC, and PAH.

Results
Soil and water samples will be submitted to SGS Environmental Laboratories, Inc. (SGS) in Anchorage, Alaska for laboratory analysis on March 15, 2025. The preliminary analytical results for these samples are summarized in Tables 1-3 below.

TABLE 1: Baseline and Treated Effluent Sample Results for DRO, RRO, and Lead Analysis

Analyte	Cleanup Level (mg/L)	TE1	TF1	TF2
Diesel Range Organics	1.5	0.540 U	0.685	0.83
Residual Range Organics	1.1	0.450 U	0.504 U	0.508 U
Lead	0.015	0.0025	0.0103	0.0128

U indicates the analyte was analyzed for but not detected.
Concentrations above the ADEC cleanup level have been **bolded**.

Laboratory analysis detected lead at concentrations ranging from 0.0025 to 0.0128 mg/L, all of which are below the ADEC cleanup level of 0.015 mg/L. DRO was present in both baseline samples at levels below the ADEC cleanup threshold and was not detected in the treated effluent sample. RRO was not detected in any of the samples.

TABLE 2: Baseline and Treated Effluent Sample Results for VOC Analysis

Analyte	Cleanup Level (ug/L)	TE1	TF1	TF2
1,1,1,2-Tetrachloroethane	5.7	0.500 U	0.500 U	0.500 U
1,1,1-Trichloroethane	8000	1.00 U	1.00 U	1.00 U
1,1,2,2-Tetrachloroethane	0.76	0.500 U	0.500 U	0.500 U
1,1,2-Trichloroethane	0.41	0.400 U	0.400 U	0.400 U
1,1-Dichloroethane	28	1.00 U	1.00 U	1.00 U
1,1-Dichloroethene	280	1.00 U	1.00 U	1.00 U
1,1-Dichloropropene		1.00 U	1.00 U	1.00 U
1,2,3-Trichlorobenzene	7	1.00 U	1.00 U	1.00 U
1,2,3-Trichloropropane	0.0075	*1.00 U*	*1.00 U*	*1.00 U*
1,2,4-Trichlorobenzene	4	1.00 U	1.00 U	1.00 U
1,2,4-Trimethylbenzene	56	1.00 U	1.00 U	1.00 U
1,2-Dibromo-3-chloropropane		10.0 U	10.0 U	10.0 U
1,2-Dibromoethane	0.075	0.0750 U	0.0750 U	0.0750 U
1,2-Dichlorobenzene	300	1.00 U	1.00 U	1.00 U
1,2-Dichloroethane	1.7	0.500 U	0.500 U	0.500 U
1,2-Dichloropropane	8.2	1.00 U	1.00 U	1.00 U
1,3,5-Trimethylbenzene	60	1.00 U	1.00 U	1.00 U
1,3-Dichlorobenzene	300	1.00 U	1.00 U	1.00 U
1,3-Dichloropropane		0.500 U	0.500 U	0.500 U
1,4-Dichlorobenzene	4.8	0.500 U	0.500 U	0.500 U
2,2-Dichloropropane		1.00 U	1.00 U	1.00 U
2-Butanone (MEK)	5600	231	10.0 U	10.0 U
2-Chlorotoluene		1.00 U	1.00 U	1.00 U
2-Hexanone	38	10.0 U	10.0 U	10.0 U
4-Chlorotoluene		1.00 U	1.00 U	1.00 U
4-Isopropyltoluene		1.00 U	1.00 U	1.00 U
4-Methyl-2-pentanone (MIBK)	6300	10.0 U	10.0 U	10.0 U
Benzene	4.6	0.400 U	0.400 U	0.400 U
Bromobenzene	62	1.00 U	1.00 U	1.00 U
Bromochloromethane		1.00 U	1.00 U	1.00 U
Bromodichloromethane	1.3	0.500 U	0.500 U	0.500 U
Bromoform	33	1.00 U	1.00 U	1.00 U
Bromomethane	7.5	6.00 U	6.00 U	6.00 U

Analyte	Cleanup Level (ug/L)	TE1	TF1	TF2
Carbon disulfide	810	10.0 U	10.0 U	10.0 U
Carbon tetrachloride	4.6	1.00 U	1.00 U	1.00 U
Chlorobenzene	78	0.500 U	0.500 U	0.500 U
Chloroethane	21000	1.00 U	1.00 U	1.00 U
Chloroform	2.2	1.00 U	1.00 U	1.00 U
Chloromethane	190	1.00 U	1.00 U	1.00 U
cis-1,2-Dichloroethene	36	1.00 U	1.00 U	1.00 U
cis-1,3-Dichloropropene	4.7	0.500 U	0.500 U	0.500 U
Dibromochloromethane	8.7	0.500 U	0.500 U	0.500 U
Dibromomethane	8.3	1.00 U	1.00 U	1.00 U
Dichlorodifluoromethane	200	1.00 U	1.00 U	1.00 U
Ethylbenzene	15	1.00 U	1.00 U	1.00 U
Freon-113	10000	10.0 U	10.0 U	10.0 U
Hexachlorobutadiene	1.4	1.00 U	1.00 U	1.00 U
Isopropylbenzene (Cumene)	450	1.00 U	1.00 U	1.00 U
Methyl-t-butyl ether	140	10.0 U	10.0 U	10.0 U
Methylene chloride	110	10.0 U	10.0 U	10.0 U
n-Butylbenzene	1000	1.00 U	1.00 U	1.00 U
n-Propylbenzene	660	1.00 U	1.00 U	1.00 U
Naphthalene	1.7	1.00 U	1.00 U	1.00 U
o-Xylene		1.00 U	1.00 U	1.00 U
P & M -Xylene		2.00 U	2.00 U	2.00 U
sec-Butylbenzene	2000	1.00 U	1.00 U	1.00 U
Styrene	1200	1.00 U	1.00 U	1.00 U
tert-Butylbenzene	690	1.00 U	1.00 U	1.00 U
Tetrachloroethene	41	1.00 U	1.00 U	1.00 U
Toluene	1100	1.00 U	1.00 U	1.00 U
trans-1,2-Dichloroethene	360	1.00 U	1.00 U	1.00 U
trans-1,3-Dichloropropene	4.7	1.00 U	1.00 U	1.00 U
Trichloroethene	2.8	0.500 U	0.500 U	0.500 U
Trichlorofluoromethane	5200	1.00 U	1.00 U	1.00 U
Vinyl acetate	410	10.0 U	10.0 U	10.0 U
Vinyl chloride	0.19	0.150 U	0.150 U	0.150 U
Xylenes (total)	190	3.00 U	3.00 U	3.00 U

U indicates the analyte was analyzed for but not detected.
Concentrations above the ADEC cleanup level have been **bolded**.

In laboratory analysis, only one VOC analyte, 2-butanone, was detected. 2-Butanone was detected in the treated effluent sample at 231 ug/L, well below the ADEC cleanup level of 5,600 ug/L. The remaining VOC analytes were non-detected.

TABLE 3: Baseline and Treated Effluent Sample Results for PAH Analysis

Analyte	Cleanup Level (ug/L)	TE1	TF1	TF2
1-Methylnaphthalene	11	0.192	0.609	0.403
2-Methylnaphthalene	36	0.0455 U	0.564	0.361
Acenaphthene	530	0.183	1.61	1.36
Acenaphthylene	260	0.0455 U	0.0521 U	0.0481 U
Anthracene	43	0.0455 U	0.587	0.455

Analyte	Cleanup Level (ug/L)	TE1	TF1	TF2
Benzo(a)Anthracene	0.3	0.0455 U	**0.97**	**0.566**
Benzo[a]pyrene	0.25	0.0182 U	**0.51**	0.248
Benzo[b]Fluoranthene	2.5	0.0455 U	0.648	0.264
Benzo[g,h,i]perylene	0.26	0.0455 U	**0.281**	0.114
Benzo[k]fluoranthene	0.8	0.0455 U	0.2	0.0481 U
Chrysene	2	0.0455 U	1.5	0.877
Dibenzo[a,h]anthracene	0.25	0.0182 U	0.0208 U	0.0192 U
Fluoranthene	260	0.117	3.25	1.88
Fluorene	290	0.124	2.01	1.42
Indeno[1,2,3-c,d] pyrene	0.19	0.0455 U	**0.198**	0.0627
Naphthalene	1.7	0.0909 U	0.126	0.115
Phenanthrene	170	0.0992	5.69	3.51
Pyrene	120	0.0755	4.22	2.62

U indicates the analyte was analyzed for but not detected.
Concentrations above the ADEC cleanup level have been **bolded**.

In laboratory analysis, several PAH analytes were detected. PAH analytes with detectable concentrations include 1- Methylnaphthalene, 2- Methylnaphthalene, acenaphthene, anthracene, benzo(a)Anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, chrysene, fluoranthene, fluorene, indeno[1,2,3-c,d] pyrene, naphthalene, phenanthrene, and pyrene. Only baseline samples detected VOC analytes above ADEC cleanup levels. PAH analytes detected above ADEC cleanup levels include benzo(a)Anthracene, benzo[a]pyrene, benzo[g,h,i]perylene, and indeno[1,2,3-c,d] pyrene. Each PAH analyte in the treated effluent sample was either non-detect or detected but below ADEC cleanup levels.

Conclusion

Based on the preliminary results, the proposed treatment system effectively reduces petroleum and metal contamination within the tank farm's secondary containment. The data clearly indicates that the system lowers contaminant concentrations to levels below ADEC cleanup thresholds. 3TA acknowledges that these results are preliminary and will provide ADEC with finalized data once received from SGS. However, since the cleanup efforts are scheduled for next month, 3TA is sharing this preliminary data to demonstrate the treatment system's effectiveness in removing contaminants of concern before initiating cleanup activities at the site.

3TA requests ADEC approval to modify the water treatment system prior to next month's cleanup efforts by removing the BC830 GAC, which is specifically designed for metal removal. Baseline results indicate that lead is not a contaminant of concern inside the tank farms secondary containment, as it was not detected above ADEC cleanup levels in either sample. Therefore, 3TA seeks approval to exclude the BC830 GAC from the treatment system and move forward with a 55-gallon water scrubber and 55-gallon Acti-R GAC.

Please feel free to contact me if you have any questions or concerns.

Sincerely,

Casey Volk
Senior Scientist

Enclosures: Site Map
Photo Log

cc Michael Link, OBI
Ryan Kingsbery, 3-Tier Alaska

Analyte	Cleanup Level (mg/L)	TE1	TF1	TF2
Diesel Range Organics	1.5	0.540 U	0.685	0.83
Residual Range Organics	1.1	0.450 U	0.504 U	0.508 U
Lead	0.015	0.0025	0.0103	0.0128

U indicates the analyte was analyzed for but not detected.
Concentrations above the ADEC cleanup level have been **bolded**.

3-Tier Alaska 3305 Arctic Boulevard, Suite 102 Anchorage, AK 99503 907-522-4337	**Port William Former Cannery** Shuyak Island, Alaska	Figure #1 Site Map	
Project No: 1598-21	File: Company/Projects/1598/21	03/27/25	Scale: None

3-TIER ALASKA
CIVIL ENGINEERING & SURVEYING

Port William Cleanup

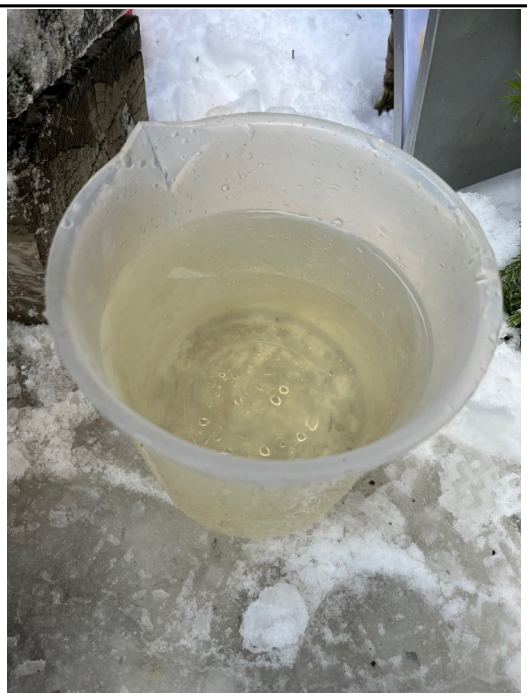
Shuyak Island, AK—March 13, 2025

Photo showing the propped treatment system setup within the facility's secondary containment.

Photo showing slight sheen on the surface of the water before treatment.

Photo showing impacted water running through the 55-gallon water scrubber followed by two granular activated carbon systems.

Photo showing the treated effluent with no sheen.



Laboratory Report of Analysis

To: 3-Tier AK dba Travis/Peterson (TPECI)
3305 Arctic Blvd. Suite 102
Anchorage, AK 99503
(907) 522-4337

Report Number: **1250964**

Client Project: **Port William**

Dear Connor Barr,

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.

Curtis Whisman
2025.03.31
15:59:52 -08'00'

Justin Nelson Date
Project Manager
Justin.Nelson@sgs.com

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

Case Narrative

SGS Client: **3-Tier AK dba Travis/Peterson (TPECI)**
SGS Project: **1250964**
Project Name/Site: **Port William**
Project Contact: **Connor Barr**

Refer to sample receipt form for information on sample condition.

TE1 (1250964001) PS

AK102/103 - LCS/LCSD recoveries for DRO do not meet QC criteria. Sample was re-extracted and results were confirmed. The first set of data is reported.

TF1 (1250964002) PS

AK102/103 - LCS/LCSD recoveries for DRO do not meet QC criteria. Sample was re-extracted and results were confirmed. The first set of data is reported.

TF2 (1250964003) PS

AK102/103 - LCS/LCSD recoveries for DRO do not meet QC criteria. Sample was re-extracted and results were confirmed. The first set of data is reported.

LB for HBN 1908375 [TCLP/13654 (1813989) LB

8260D - Benzene is detected in the LB greater than the LOQ. This analyte is not reported above the LOQ in the associated samples, or above one half the LOQ for DOD samples.

LCS for HBN 1908338 [XXX/51093 (1813820) LCS

AK102/103 - LCS recovery for DRO does not meet QC criteria.

LCS for HBN 1908462 [VXX/42675 (1814161) LCS

8260D - LCS recoveries for several analytes do not meet QC criteria. These analytes are not reported above the LOQ, or above one half the LOQ for DOD, in all associated samples.

LCSD for HBN 1908338 [XXX/5109 (1813821) LCSD

AK102/103 - LCSD recovery for DRO does not meet QC criteria.

LCSD for HBN 1908462 [VXX/4267 (1814162) LCSD

8260D - LCSD RPD for several analytes does not meet QC criteria. These analytes are not reported above the LOQ, or above one half the LOQ for DOD, in all associated samples.

MB for HBN 1908462 [VXX/42675] (1814160) MB

8260D - Surrogate recovery for toluene-d8 does not meet QC criteria. All analytes associated with this surrogate are not reported in all associated samples.

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

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

Report of Manual Integrations

Laboratory ID	Client Sample ID	Analytical Batch	Analyte	Reason
8270E SIM LV (PAH)				
1250964002	TF1	XMS14818	Benzo[b]Fluoranthene	SP
1250964002	TF1	XMS14818	Benzo[k]fluoranthene	SP
1250964003	TF2	XMS14818	Benzo[b]Fluoranthene	SP
1813758	LCS for HBN 1908244 [XXX/51091	XMS14818	1-Methylnaphthalene	RP

Manual Integration Reason Code Descriptions

Code	Description
O	Original Chromatogram
M	Modified Chromatogram
SS	Skimmed surrogate
BLG	Closed baseline gap
RP	Reassign peak name
PIR	Pattern integration required
IT	Included tail
SP	Split peak
RSP	Removed split peak
FPS	Forced peak start/stop
BLC	Baseline correction
PNF	Peak not found by software

All DRO/RRO analysis are integrated per SOP.

Print Date: 03/28/2025 4:23:49PM

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(Provisionally Cert for Colilert-18 MPN and HPC as of 3/5/2025)) & 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, 8270E, 8270E-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., 3/4 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.

Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	Matrix
TE1	1250964001	03/12/2025	03/14/2025	Water (Surface, Eff., Ground)
TF1	1250964002	03/12/2025	03/14/2025	Water (Surface, Eff., Ground)
TF2	1250964003	03/12/2025	03/14/2025	Water (Surface, Eff., Ground)
Trip Blank	1250964004	03/12/2025	03/14/2025	Water (Surface, Eff., Ground)

Method	Method Description
8270E SIM LV (PAH)	8270 PAH SIM GC/MS LV
AK102	DRO/RRO Low Volume Water
AK103	DRO/RRO Low Volume Water
SW6020B	Metals by ICP-MS
SW8260D	Volatile Organic Compounds (W) FULL

SGS North America Inc.
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: **TE1**
Lab Sample ID: 1250964001

	Parameter	Result	Units
Metals by ICP/MS	Lead	2.50	ug/L
Polynuclear Aromatics GC/MS	1-Methylnaphthalene	0.192	ug/L
	Acenaphthene	0.183	ug/L
	Fluoranthene	0.117	ug/L
	Fluorene	0.124	ug/L
	Phenanthrene	0.0992	ug/L
	Pyrene	0.0755	ug/L
Volatile GC/MS	2-Butanone (MEK)	231	ug/L

Client Sample ID: **TF1**
Lab Sample ID: 1250964002

	Parameter	Result	Units
Metals by ICP/MS	Lead	10.3	ug/L
Polynuclear Aromatics GC/MS	1-Methylnaphthalene	0.609	ug/L
	2-Methylnaphthalene	0.564	ug/L
	Acenaphthene	1.61	ug/L
	Anthracene	0.587	ug/L
	Benzo(a)Anthracene	0.970	ug/L
	Benzo[a]pyrene	0.510	ug/L
	Benzo[b]Fluoranthene	0.648	ug/L
	Benzo[g,h,i]perylene	0.281	ug/L
	Benzo[k]fluoranthene	0.200	ug/L
	Chrysene	1.50	ug/L
	Fluoranthene	3.25	ug/L
	Fluorene	2.01	ug/L
	Indeno[1,2,3-c,d] pyrene	0.198	ug/L
	Naphthalene	0.126	ug/L
	Phenanthrene	5.69	ug/L
	Pyrene	4.22	ug/L
Semivolatile Organic Fuels	Diesel Range Organics	0.685	mg/L

SGS North America Inc.
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: **TF2**
Lab Sample ID: 1250964003

	Parameter	Result	Units
Metals by ICP/MS	Lead	12.8	ug/L
Polynuclear Aromatics GC/MS	1-Methylnaphthalene	0.403	ug/L
	2-Methylnaphthalene	0.361	ug/L
	Acenaphthene	1.36	ug/L
	Anthracene	0.455	ug/L
	Benzo(a)Anthracene	0.566	ug/L
	Benzo[a]pyrene	0.248	ug/L
	Benzo[b]Fluoranthene	0.264	ug/L
	Benzo[g,h,i]perylene	0.114	ug/L
	Chrysene	0.877	ug/L
	Fluoranthene	1.88	ug/L
	Fluorene	1.42	ug/L
	Indeno[1,2,3-c,d] pyrene	0.0627	ug/L
	Naphthalene	0.115	ug/L
	Phenanthrene	3.51	ug/L
	Pyrene	2.62	ug/L
Semivolatile Organic Fuels	Diesel Range Organics	0.830	mg/L

SGS North America Inc.
200 West Potter Drive, Anchorage, AK 99518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **TE1**

Client Sample ID: **TE1**
Client Project ID: **Port William**
Lab Sample ID: 1250964001
Lab Project ID: 1250964

Collection Date: 03/12/25 11:50
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Lead	2.50		1.00	0.310	ug/L	5		03/18/25 11:11

Batch Information

Analytical Batch: MMS12607
Analytical Method: SW6020B
Analyst: HBL
Analytical Date/Time: 03/18/25 11:11
Container ID: 1250964001-A

Prep Batch: MXX37403
Prep Method: SW3010A
Prep Date/Time: 03/17/25 10:16
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 03/28/2025 4:23:57PM

Results of **TE1**

Client Sample ID: **TE1**
Client Project ID: **Port William**
Lab Sample ID: 1250964001
Lab Project ID: 1250964

Collection Date: 03/12/25 11:50
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	0.192		0.0455	0.0136	ug/L	1		03/24/25 15:46
2-Methylnaphthalene	0.0455	U	0.0455	0.0136	ug/L	1		03/24/25 15:46
Acenaphthene	0.183		0.0455	0.0136	ug/L	1		03/24/25 15:46
Acenaphthylene	0.0455	U	0.0455	0.0136	ug/L	1		03/24/25 15:46
Anthracene	0.0455	U	0.0455	0.0136	ug/L	1		03/24/25 15:46
Benzo(a)Anthracene	0.0455	U	0.0455	0.0136	ug/L	1		03/24/25 15:46
Benzo[a]pyrene	0.0182	U	0.0182	0.00564	ug/L	1		03/24/25 15:46
Benzo[b]Fluoranthene	0.0455	U	0.0455	0.0136	ug/L	1		03/24/25 15:46
Benzo[g,h,i]perylene	0.0455	U	0.0455	0.0136	ug/L	1		03/24/25 15:46
Benzo[k]fluoranthene	0.0455	U	0.0455	0.0136	ug/L	1		03/24/25 15:46
Chrysene	0.0455	U	0.0455	0.0136	ug/L	1		03/24/25 15:46
Dibenzo[a,h]anthracene	0.0182	U	0.0182	0.00564	ug/L	1		03/24/25 15:46
Fluoranthene	0.117		0.0455	0.0136	ug/L	1		03/24/25 15:46
Fluorene	0.124		0.0455	0.0136	ug/L	1		03/24/25 15:46
Indeno[1,2,3-c,d] pyrene	0.0455	U	0.0455	0.0136	ug/L	1		03/24/25 15:46
Naphthalene	0.0909	U	0.0909	0.0282	ug/L	1		03/24/25 15:46
Phenanthrene	0.0992		0.0909	0.0282	ug/L	1		03/24/25 15:46
Pyrene	0.0755		0.0455	0.0136	ug/L	1		03/24/25 15:46
Surrogates								
2-Methylnaphthalene-d10 (surr)	48		38-100		%	1		03/24/25 15:46
Fluoranthene-d10 (surr)	66.6		30-111		%	1		03/24/25 15:46

Batch Information

Analytical Batch: XMS14818
Analytical Method: 8270E SIM LV (PAH)
Analyst: HJL
Analytical Date/Time: 03/24/25 15:46
Container ID: 1250964001-G

Prep Batch: XXX51091
Prep Method: SW3535A
Prep Date/Time: 03/19/25 10:30
Prep Initial Wt./Vol.: 275 mL
Prep Extract Vol: 1 mL

Print Date: 03/28/2025 4:23:57PM

Results of **TE1**

Client Sample ID: **TE1**
Client Project ID: **Port William**
Lab Sample ID: 1250964001
Lab Project ID: 1250964

Collection Date: 03/12/25 11:50
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	0.540	U	0.540	0.180	mg/L	1		03/21/25 13:11
Surrogates								
5a Androstane (surr)	66		50-150		%	1		03/21/25 13:11

Batch Information

Analytical Batch: XFC17175
Analytical Method: AK102
Analyst: T.L
Analytical Date/Time: 03/21/25 13:11
Container ID: 1250964001-E

Prep Batch: XXX51093
Prep Method: SW3520C
Prep Date/Time: 03/19/25 15:30
Prep Initial Wt./Vol.: 278 mL
Prep Extract Vol: 1 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	0.450	U	0.450	0.180	mg/L	1		03/21/25 13:11
Surrogates								
n-Triacontane-d62 (surr)	90.6		50-150		%	1		03/21/25 13:11

Batch Information

Analytical Batch: XFC17175
Analytical Method: AK103
Analyst: T.L
Analytical Date/Time: 03/21/25 13:11
Container ID: 1250964001-E

Prep Batch: XXX51093
Prep Method: SW3520C
Prep Date/Time: 03/19/25 15:30
Prep Initial Wt./Vol.: 278 mL
Prep Extract Vol: 1 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **TE1**

Client Sample ID: **TE1**
Client Project ID: **Port William**
Lab Sample ID: 1250964001
Lab Project ID: 1250964

Collection Date: 03/12/25 11:50
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:26
1,1,1-Trichloroethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
1,1,2,2-Tetrachloroethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:26
1,1,2-Trichloroethane	0.400	U	0.400	0.120	ug/L	1		03/21/25 17:26
1,1-Dichloroethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
1,1-Dichloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
1,1-Dichloropropene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
1,2,3-Trichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
1,2,3-Trichloropropane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
1,2,4-Trichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
1,2,4-Trimethylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
1,2-Dibromo-3-chloropropane	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:26
1,2-Dibromoethane	0.0750	U	0.0750	0.0180	ug/L	1		03/21/25 17:26
1,2-Dichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
1,2-Dichloroethane	0.500	U	0.500	0.200	ug/L	1		03/21/25 17:26
1,2-Dichloropropane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
1,3,5-Trimethylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
1,3-Dichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
1,3-Dichloropropane	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:26
1,4-Dichlorobenzene	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:26
2,2-Dichloropropane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
2-Butanone (MEK)	231		10.0	3.10	ug/L	1		03/21/25 17:26
2-Chlorotoluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
2-Hexanone	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:26
4-Chlorotoluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
4-Isopropyltoluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
4-Methyl-2-pentanone (MIBK)	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:26
Benzene	0.400	U	0.400	0.120	ug/L	1		03/21/25 17:26
Bromobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
Bromochloromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
Bromodichloromethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:26
Bromoform	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
Bromomethane	6.00	U	6.00	3.00	ug/L	1		03/21/25 17:26
Carbon disulfide	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:26
Carbon tetrachloride	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
Chlorobenzene	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:26
Chloroethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **TE1**

Client Sample ID: **TE1**
Client Project ID: **Port William**
Lab Sample ID: 1250964001
Lab Project ID: 1250964

Collection Date: 03/12/25 11:50
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Chloroform	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
Chloromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
cis-1,2-Dichloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
cis-1,3-Dichloropropene	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:26
Dibromochloromethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:26
Dibromomethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
Dichlorodifluoromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
Ethylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
Freon-113	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:26
Hexachlorobutadiene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
Isopropylbenzene (Cumene)	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
Methylene chloride	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:26
Methyl-t-butyl ether	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:26
Naphthalene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
n-Butylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
n-Propylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
o-Xylene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
P & M -Xylene	2.00	U	2.00	0.620	ug/L	1		03/21/25 17:26
sec-Butylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
Styrene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
tert-Butylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
Tetrachloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
Toluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
trans-1,2-Dichloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
trans-1,3-Dichloropropene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
Trichloroethene	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:26
Trichlorofluoromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:26
Vinyl acetate	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:26
Vinyl chloride	0.150	U	0.150	0.0500	ug/L	1		03/21/25 17:26
Xylenes (total)	3.00	U	3.00	1.00	ug/L	1		03/21/25 17:26
Surrogates								
1,2-Dichloroethane-D4 (surr)	101		81-118		%	1		03/21/25 17:26
4-Bromofluorobenzene (surr)	99		85-114		%	1		03/21/25 17:26
Toluene-d8 (surr)	98.1		89-112		%	1		03/21/25 17:26

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **TE1**

Client Sample ID: **TE1**
Client Project ID: **Port William**
Lab Sample ID: 1250964001
Lab Project ID: 1250964

Collection Date: 03/12/25 11:50
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS24180
Analytical Method: SW8260D
Analyst: APB
Analytical Date/Time: 03/21/25 17:26
Container ID: 1250964001-B

Prep Batch: VXX42673
Prep Method: SW5030B
Prep Date/Time: 03/21/25 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **TF1**

Client Sample ID: **TF1**
Client Project ID: **Port William**
Lab Sample ID: 1250964002
Lab Project ID: 1250964

Collection Date: 03/12/25 12:30
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Lead	10.3		1.00	0.310	ug/L	5		03/18/25 11:13

Batch Information

Analytical Batch: MMS12607
Analytical Method: SW6020B
Analyst: HBL
Analytical Date/Time: 03/18/25 11:13
Container ID: 1250964002-A

Prep Batch: MXX37403
Prep Method: SW3010A
Prep Date/Time: 03/17/25 10:16
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 03/28/2025 4:23:57PM

Results of **TF1**

Client Sample ID: **TF1**
Client Project ID: **Port William**
Lab Sample ID: 1250964002
Lab Project ID: 1250964

Collection Date: 03/12/25 12:30
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	0.609		0.0521	0.0156	ug/L	1		03/24/25 16:02
2-Methylnaphthalene	0.564		0.0521	0.0156	ug/L	1		03/24/25 16:02
Acenaphthene	1.61		0.0521	0.0156	ug/L	1		03/24/25 16:02
Acenaphthylene	0.0521	U	0.0521	0.0156	ug/L	1		03/24/25 16:02
Anthracene	0.587		0.0521	0.0156	ug/L	1		03/24/25 16:02
Benzo(a)Anthracene	0.970		0.0521	0.0156	ug/L	1		03/24/25 16:02
Benzo[a]pyrene	0.510		0.0208	0.00646	ug/L	1		03/24/25 16:02
Benzo[b]Fluoranthene	0.648		0.0521	0.0156	ug/L	1		03/24/25 16:02
Benzo[g,h,i]perylene	0.281		0.0521	0.0156	ug/L	1		03/24/25 16:02
Benzo[k]fluoranthene	0.200		0.0521	0.0156	ug/L	1		03/24/25 16:02
Chrysene	1.50		0.0521	0.0156	ug/L	1		03/24/25 16:02
Dibenzo[a,h]anthracene	0.0208	U	0.0208	0.00646	ug/L	1		03/24/25 16:02
Fluoranthene	3.25		0.0521	0.0156	ug/L	1		03/24/25 16:02
Fluorene	2.01		0.0521	0.0156	ug/L	1		03/24/25 16:02
Indeno[1,2,3-c,d] pyrene	0.198		0.0521	0.0156	ug/L	1		03/24/25 16:02
Naphthalene	0.126		0.104	0.0323	ug/L	1		03/24/25 16:02
Phenanthrene	5.69		0.104	0.0323	ug/L	1		03/24/25 16:02
Pyrene	4.22		0.0521	0.0156	ug/L	1		03/24/25 16:02
Surrogates								
2-Methylnaphthalene-d10 (surr)	46.6		38-100		%	1		03/24/25 16:02
Fluoranthene-d10 (surr)	69.8		30-111		%	1		03/24/25 16:02

Batch Information

Analytical Batch: XMS14818
Analytical Method: 8270E SIM LV (PAH)
Analyst: HJL
Analytical Date/Time: 03/24/25 16:02
Container ID: 1250964002-G

Prep Batch: XXX51091
Prep Method: SW3535A
Prep Date/Time: 03/19/25 10:30
Prep Initial Wt./Vol.: 240 mL
Prep Extract Vol: 1 mL

Print Date: 03/28/2025 4:23:57PM

Results of **TF1**

Client Sample ID: **TF1**
Client Project ID: **Port William**
Lab Sample ID: 1250964002
Lab Project ID: 1250964

Collection Date: 03/12/25 12:30
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	0.685		0.605	0.202	mg/L	1		03/21/25 13:21
Surrogates								
5a Androstane (surr)	72.6		50-150		%	1		03/21/25 13:21

Batch Information

Analytical Batch: XFC17175
Analytical Method: AK102
Analyst: T.L
Analytical Date/Time: 03/21/25 13:21
Container ID: 1250964002-E

Prep Batch: XXX51093
Prep Method: SW3520C
Prep Date/Time: 03/19/25 15:30
Prep Initial Wt./Vol.: 248 mL
Prep Extract Vol: 1 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	0.504	U	0.504	0.202	mg/L	1		03/21/25 13:21
Surrogates								
n-Triacontane-d62 (surr)	82.8		50-150		%	1		03/21/25 13:21

Batch Information

Analytical Batch: XFC17175
Analytical Method: AK103
Analyst: T.L
Analytical Date/Time: 03/21/25 13:21
Container ID: 1250964002-E

Prep Batch: XXX51093
Prep Method: SW3520C
Prep Date/Time: 03/19/25 15:30
Prep Initial Wt./Vol.: 248 mL
Prep Extract Vol: 1 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **TF1**

Client Sample ID: **TF1**
Client Project ID: **Port William**
Lab Sample ID: 1250964002
Lab Project ID: 1250964

Collection Date: 03/12/25 12:30
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:41
1,1,1-Trichloroethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
1,1,2,2-Tetrachloroethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:41
1,1,2-Trichloroethane	0.400	U	0.400	0.120	ug/L	1		03/21/25 17:41
1,1-Dichloroethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
1,1-Dichloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
1,1-Dichloropropene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
1,2,3-Trichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
1,2,3-Trichloropropane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
1,2,4-Trichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
1,2,4-Trimethylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
1,2-Dibromo-3-chloropropane	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:41
1,2-Dibromoethane	0.0750	U	0.0750	0.0180	ug/L	1		03/21/25 17:41
1,2-Dichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
1,2-Dichloroethane	0.500	U	0.500	0.200	ug/L	1		03/21/25 17:41
1,2-Dichloropropane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
1,3,5-Trimethylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
1,3-Dichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
1,3-Dichloropropane	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:41
1,4-Dichlorobenzene	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:41
2,2-Dichloropropane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
2-Butanone (MEK)	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:41
2-Chlorotoluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
2-Hexanone	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:41
4-Chlorotoluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
4-Isopropyltoluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
4-Methyl-2-pentanone (MIBK)	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:41
Benzene	0.400	U	0.400	0.120	ug/L	1		03/21/25 17:41
Bromobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
Bromochloromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
Bromodichloromethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:41
Bromoform	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
Bromomethane	6.00	U	6.00	3.00	ug/L	1		03/21/25 17:41
Carbon disulfide	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:41
Carbon tetrachloride	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
Chlorobenzene	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:41
Chloroethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **TF1**

Client Sample ID: **TF1**
Client Project ID: **Port William**
Lab Sample ID: 1250964002
Lab Project ID: 1250964

Collection Date: 03/12/25 12:30
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Chloroform	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
Chloromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
cis-1,2-Dichloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
cis-1,3-Dichloropropene	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:41
Dibromochloromethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:41
Dibromomethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
Dichlorodifluoromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
Ethylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
Freon-113	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:41
Hexachlorobutadiene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
Isopropylbenzene (Cumene)	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
Methylene chloride	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:41
Methyl-t-butyl ether	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:41
Naphthalene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
n-Butylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
n-Propylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
o-Xylene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
P & M -Xylene	2.00	U	2.00	0.620	ug/L	1		03/21/25 17:41
sec-Butylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
Styrene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
tert-Butylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
Tetrachloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
Toluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
trans-1,2-Dichloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
trans-1,3-Dichloropropene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
Trichloroethene	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:41
Trichlorofluoromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:41
Vinyl acetate	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:41
Vinyl chloride	0.150	U	0.150	0.0500	ug/L	1		03/21/25 17:41
Xylenes (total)	3.00	U	3.00	1.00	ug/L	1		03/21/25 17:41
Surrogates								
1,2-Dichloroethane-D4 (surr)	107		81-118		%	1		03/21/25 17:41
4-Bromofluorobenzene (surr)	97.6		85-114		%	1		03/21/25 17:41
Toluene-d8 (surr)	98.2		89-112		%	1		03/21/25 17:41

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **TF1**

Client Sample ID: **TF1**
Client Project ID: **Port William**
Lab Sample ID: 1250964002
Lab Project ID: 1250964

Collection Date: 03/12/25 12:30
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS24180
Analytical Method: SW8260D
Analyst: APB
Analytical Date/Time: 03/21/25 17:41
Container ID: 1250964002-B

Prep Batch: VXX42673
Prep Method: SW5030B
Prep Date/Time: 03/21/25 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **TF2**

Client Sample ID: **TF2**
Client Project ID: **Port William**
Lab Sample ID: 1250964003
Lab Project ID: 1250964

Collection Date: 03/12/25 12:40
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Lead	12.8		1.00	0.310	ug/L	5		03/18/25 11:19

Batch Information

Analytical Batch: MMS12607
Analytical Method: SW6020B
Analyst: HBL
Analytical Date/Time: 03/18/25 11:19
Container ID: 1250964003-A

Prep Batch: MXX37403
Prep Method: SW3010A
Prep Date/Time: 03/17/25 10:16
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

Print Date: 03/28/2025 4:23:57PM

Results of **TF2**

Client Sample ID: **TF2**
Client Project ID: **Port William**
Lab Sample ID: 1250964003
Lab Project ID: 1250964

Collection Date: 03/12/25 12:40
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	0.403		0.0481	0.0144	ug/L	1		03/24/25 16:18
2-Methylnaphthalene	0.361		0.0481	0.0144	ug/L	1		03/24/25 16:18
Acenaphthene	1.36		0.0481	0.0144	ug/L	1		03/24/25 16:18
Acenaphthylene	0.0481	U	0.0481	0.0144	ug/L	1		03/24/25 16:18
Anthracene	0.455		0.0481	0.0144	ug/L	1		03/24/25 16:18
Benzo(a)Anthracene	0.566		0.0481	0.0144	ug/L	1		03/24/25 16:18
Benzo[a]pyrene	0.248		0.0192	0.00596	ug/L	1		03/24/25 16:18
Benzo[b]Fluoranthene	0.264		0.0481	0.0144	ug/L	1		03/24/25 16:18
Benzo[g,h,i]perylene	0.114		0.0481	0.0144	ug/L	1		03/24/25 16:18
Benzo[k]fluoranthene	0.0481	U	0.0481	0.0144	ug/L	1		03/24/25 16:18
Chrysene	0.877		0.0481	0.0144	ug/L	1		03/24/25 16:18
Dibenzo[a,h]anthracene	0.0192	U	0.0192	0.00596	ug/L	1		03/24/25 16:18
Fluoranthene	1.88		0.0481	0.0144	ug/L	1		03/24/25 16:18
Fluorene	1.42		0.0481	0.0144	ug/L	1		03/24/25 16:18
Indeno[1,2,3-c,d] pyrene	0.0627		0.0481	0.0144	ug/L	1		03/24/25 16:18
Naphthalene	0.115		0.0962	0.0298	ug/L	1		03/24/25 16:18
Phenanthrene	3.51		0.0962	0.0298	ug/L	1		03/24/25 16:18
Pyrene	2.62		0.0481	0.0144	ug/L	1		03/24/25 16:18
Surrogates								
2-Methylnaphthalene-d10 (surr)	47.9		38-100		%	1		03/24/25 16:18
Fluoranthene-d10 (surr)	66.9		30-111		%	1		03/24/25 16:18

Batch Information

Analytical Batch: XMS14818
Analytical Method: 8270E SIM LV (PAH)
Analyst: HJL
Analytical Date/Time: 03/24/25 16:18
Container ID: 1250964003-G

Prep Batch: XXX51091
Prep Method: SW3535A
Prep Date/Time: 03/19/25 10:30
Prep Initial Wt./Vol.: 260 mL
Prep Extract Vol: 1 mL

Print Date: 03/28/2025 4:23:57PM

Results of **TF2**

Client Sample ID: **TF2**
Client Project ID: **Port William**
Lab Sample ID: 1250964003
Lab Project ID: 1250964

Collection Date: 03/12/25 12:40
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	0.830		0.610	0.203	mg/L	1		03/21/25 13:30
Surrogates								
5a Androstane (surr)	71		50-150		%	1		03/21/25 13:30

Batch Information

Analytical Batch: XFC17175
Analytical Method: AK102
Analyst: T.L
Analytical Date/Time: 03/21/25 13:30
Container ID: 1250964003-E

Prep Batch: XXX51093
Prep Method: SW3520C
Prep Date/Time: 03/19/25 15:30
Prep Initial Wt./Vol.: 246 mL
Prep Extract Vol: 1 mL

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	0.508	U	0.508	0.203	mg/L	1		03/21/25 13:30
Surrogates								
n-Triacontane-d62 (surr)	84.3		50-150		%	1		03/21/25 13:30

Batch Information

Analytical Batch: XFC17175
Analytical Method: AK103
Analyst: T.L
Analytical Date/Time: 03/21/25 13:30
Container ID: 1250964003-E

Prep Batch: XXX51093
Prep Method: SW3520C
Prep Date/Time: 03/19/25 15:30
Prep Initial Wt./Vol.: 246 mL
Prep Extract Vol: 1 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **TF2**

Client Sample ID: **TF2**
Client Project ID: **Port William**
Lab Sample ID: 1250964003
Lab Project ID: 1250964

Collection Date: 03/12/25 12:40
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:56
1,1,1-Trichloroethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
1,1,2,2-Tetrachloroethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:56
1,1,2-Trichloroethane	0.400	U	0.400	0.120	ug/L	1		03/21/25 17:56
1,1-Dichloroethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
1,1-Dichloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
1,1-Dichloropropene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
1,2,3-Trichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
1,2,3-Trichloropropane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
1,2,4-Trichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
1,2,4-Trimethylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
1,2-Dibromo-3-chloropropane	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:56
1,2-Dibromoethane	0.0750	U	0.0750	0.0180	ug/L	1		03/21/25 17:56
1,2-Dichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
1,2-Dichloroethane	0.500	U	0.500	0.200	ug/L	1		03/21/25 17:56
1,2-Dichloropropane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
1,3,5-Trimethylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
1,3-Dichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
1,3-Dichloropropane	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:56
1,4-Dichlorobenzene	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:56
2,2-Dichloropropane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
2-Butanone (MEK)	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:56
2-Chlorotoluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
2-Hexanone	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:56
4-Chlorotoluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
4-Isopropyltoluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
4-Methyl-2-pentanone (MIBK)	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:56
Benzene	0.400	U	0.400	0.120	ug/L	1		03/21/25 17:56
Bromobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
Bromochloromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
Bromodichloromethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:56
Bromoform	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
Bromomethane	6.00	U	6.00	3.00	ug/L	1		03/21/25 17:56
Carbon disulfide	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:56
Carbon tetrachloride	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
Chlorobenzene	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:56
Chloroethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **TF2**

Client Sample ID: **TF2**
Client Project ID: **Port William**
Lab Sample ID: 1250964003
Lab Project ID: 1250964

Collection Date: 03/12/25 12:40
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Chloroform	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
Chloromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
cis-1,2-Dichloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
cis-1,3-Dichloropropene	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:56
Dibromochloromethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:56
Dibromomethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
Dichlorodifluoromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
Ethylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
Freon-113	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:56
Hexachlorobutadiene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
Isopropylbenzene (Cumene)	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
Methylene chloride	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:56
Methyl-t-butyl ether	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:56
Naphthalene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
n-Butylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
n-Propylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
o-Xylene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
P & M -Xylene	2.00	U	2.00	0.620	ug/L	1		03/21/25 17:56
sec-Butylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
Styrene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
tert-Butylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
Tetrachloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
Toluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
trans-1,2-Dichloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
trans-1,3-Dichloropropene	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
Trichloroethene	0.500	U	0.500	0.150	ug/L	1		03/21/25 17:56
Trichlorofluoromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 17:56
Vinyl acetate	10.0	U	10.0	3.10	ug/L	1		03/21/25 17:56
Vinyl chloride	0.150	U	0.150	0.0500	ug/L	1		03/21/25 17:56
Xylenes (total)	3.00	U	3.00	1.00	ug/L	1		03/21/25 17:56
Surrogates								
1,2-Dichloroethane-D4 (surr)	109		81-118		%	1		03/21/25 17:56
4-Bromofluorobenzene (surr)	97.1		85-114		%	1		03/21/25 17:56
Toluene-d8 (surr)	97.7		89-112		%	1		03/21/25 17:56

Print Date: 03/28/2025 4:23:57PM

Results of **TF2**

Client Sample ID: **TF2**
Client Project ID: **Port William**
Lab Sample ID: 1250964003
Lab Project ID: 1250964

Collection Date: 03/12/25 12:40
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS24180
Analytical Method: SW8260D
Analyst: APB
Analytical Date/Time: 03/21/25 17:56
Container ID: 1250964003-B

Prep Batch: VXX42673
Prep Method: SW5030B
Prep Date/Time: 03/21/25 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **Trip Blank**

Client Sample ID: **Trip Blank**
Client Project ID: **Port William**
Lab Sample ID: 1250964004
Lab Project ID: 1250964

Collection Date: 03/12/25 08:00
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 14:26
1,1,1-Trichloroethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
1,1,2,2-Tetrachloroethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 14:26
1,1,2-Trichloroethane	0.400	U	0.400	0.120	ug/L	1		03/21/25 14:26
1,1-Dichloroethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
1,1-Dichloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
1,1-Dichloropropene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
1,2,3-Trichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
1,2,3-Trichloropropane	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
1,2,4-Trichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
1,2,4-Trimethylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
1,2-Dibromo-3-chloropropane	10.0	U	10.0	3.10	ug/L	1		03/21/25 14:26
1,2-Dibromoethane	0.0750	U	0.0750	0.0180	ug/L	1		03/21/25 14:26
1,2-Dichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
1,2-Dichloroethane	0.500	U	0.500	0.200	ug/L	1		03/21/25 14:26
1,2-Dichloropropane	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
1,3,5-Trimethylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
1,3-Dichlorobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
1,3-Dichloropropane	0.500	U	0.500	0.150	ug/L	1		03/21/25 14:26
1,4-Dichlorobenzene	0.500	U	0.500	0.150	ug/L	1		03/21/25 14:26
2,2-Dichloropropane	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
2-Butanone (MEK)	10.0	U	10.0	3.10	ug/L	1		03/21/25 14:26
2-Chlorotoluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
2-Hexanone	10.0	U	10.0	3.10	ug/L	1		03/21/25 14:26
4-Chlorotoluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
4-Isopropyltoluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
4-Methyl-2-pentanone (MIBK)	10.0	U	10.0	3.10	ug/L	1		03/21/25 14:26
Benzene	0.400	U	0.400	0.120	ug/L	1		03/21/25 14:26
Bromobenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
Bromochloromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
Bromodichloromethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 14:26
Bromoform	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
Bromomethane	6.00	U	6.00	3.00	ug/L	1		03/21/25 14:26
Carbon disulfide	10.0	U	10.0	3.10	ug/L	1		03/21/25 14:26
Carbon tetrachloride	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
Chlorobenzene	0.500	U	0.500	0.150	ug/L	1		03/21/25 14:26
Chloroethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **Trip Blank**

Client Sample ID: **Trip Blank**
Client Project ID: **Port William**
Lab Sample ID: 1250964004
Lab Project ID: 1250964

Collection Date: 03/12/25 08:00
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	Units	DF	Allowable Limits	Date Analyzed
Chloroform	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
Chloromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
cis-1,2-Dichloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
cis-1,3-Dichloropropene	0.500	U	0.500	0.150	ug/L	1		03/21/25 14:26
Dibromochloromethane	0.500	U	0.500	0.150	ug/L	1		03/21/25 14:26
Dibromomethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
Dichlorodifluoromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
Ethylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
Freon-113	10.0	U	10.0	3.10	ug/L	1		03/21/25 14:26
Hexachlorobutadiene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
Isopropylbenzene (Cumene)	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
Methylene chloride	10.0	U	10.0	3.10	ug/L	1		03/21/25 14:26
Methyl-t-butyl ether	10.0	U	10.0	3.10	ug/L	1		03/21/25 14:26
Naphthalene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
n-Butylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
n-Propylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
o-Xylene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
P & M -Xylene	2.00	U	2.00	0.620	ug/L	1		03/21/25 14:26
sec-Butylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
Styrene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
tert-Butylbenzene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
Tetrachloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
Toluene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
trans-1,2-Dichloroethene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
trans-1,3-Dichloropropene	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
Trichloroethene	0.500	U	0.500	0.150	ug/L	1		03/21/25 14:26
Trichlorofluoromethane	1.00	U	1.00	0.310	ug/L	1		03/21/25 14:26
Vinyl acetate	10.0	U	10.0	3.10	ug/L	1		03/21/25 14:26
Vinyl chloride	0.150	U	0.150	0.0500	ug/L	1		03/21/25 14:26
Xylenes (total)	3.00	U	3.00	1.00	ug/L	1		03/21/25 14:26
Surrogates								
1,2-Dichloroethane-D4 (surr)	103		81-118		%	1		03/21/25 14:26
4-Bromofluorobenzene (surr)	101		85-114		%	1		03/21/25 14:26
Toluene-d8 (surr)	98.7		89-112		%	1		03/21/25 14:26

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **Trip Blank**

Client Sample ID: **Trip Blank**
Client Project ID: **Port William**
Lab Sample ID: 1250964004
Lab Project ID: 1250964

Collection Date: 03/12/25 08:00
Received Date: 03/14/25 12:44
Matrix: Water (Surface, Eff., Ground)
Solids (%):
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS24180
Analytical Method: SW8260D
Analyst: APB
Analytical Date/Time: 03/21/25 14:26
Container ID: 1250964004-A

Prep Batch: VXX42673
Prep Method: SW5030B
Prep Date/Time: 03/21/25 06:00
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Method Blank

Blank ID: MB for HBN 1908154 [MXX/37403]
Blank Lab ID: 1813420

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1250964001, 1250964002, 1250964003

Results by **SW6020B**

Parameter	Results	LOQ/CL	DL	LOD	Units
Lead	0.750U	1.00	0.310	0.750	ug/L

Batch Information

Analytical Batch: MMS12607
Analytical Method: SW6020B
Instrument: P7 Agilent 7800
Analyst: HBL
Analytical Date/Time: 3/18/2025 10:25:27AM

Prep Batch: MXX37403
Prep Method: SW3010A
Prep Date/Time: 3/17/2025 10:16:00AM
Prep Initial Wt./Vol.: 25 mL
Prep Extract Vol: 25 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Blank Spike Summary

Blank Spike ID: LCS for HBN 1250964 [MXX37403]
Blank Spike Lab ID: 1813421
Date Analyzed: 03/18/2025 10:28

Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1250964001, 1250964002, 1250964003

Results by **SW6020B**

Blank Spike (ug/L)

Parameter	Spike	Result	Rec (%)	CL
Lead	1000	923	92	(88-115)

Batch Information

Analytical Batch: **MMS12607**
Analytical Method: **SW6020B**
Instrument: **P7 Agilent 7800**
Analyst: **HBL**

Prep Batch: **MXX37403**
Prep Method: **SW3010A**
Prep Date/Time: **03/17/2025 10:16**
Spike Init Wt./Vol.: 1000 ug/L Extract Vol: 25 mL
Dupe Init Wt./Vol.: Extract Vol:

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Matrix Spike Summary

Original Sample ID: 1813422
MS Sample ID: 1813423 MS
MSD Sample ID: 1813424 MSD

Analysis Date: 03/18/2025 11:01
Analysis Date: 03/18/2025 11:04
Analysis Date: 03/18/2025 11:06
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1250964001, 1250964002, 1250964003

Results by **SW6020B**

		Matrix Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Lead	0.812J	1000	925	92	1000	946	95	88-115	2.32	(< 20)

Batch Information

Analytical Batch: MMS12607
Analytical Method: SW6020B
Instrument: P7 Agilent 7800
Analyst: HBL
Analytical Date/Time: 3/18/2025 11:04:20AM

Prep Batch: MXX37403
Prep Method: 3010 H20 Digest for Metals ICP-MS
Prep Date/Time: 3/17/2025 10:16:00AM
Prep Initial Wt./Vol.: 25.00mL
Prep Extract Vol: 25.00mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Method Blank

Blank ID: MB for HBN 1908431 [VXX/42673]
Blank Lab ID: 1814053

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1250964001, 1250964002, 1250964003, 1250964004

Results by **SW8260D**

Parameter	Results	LOQ/CL	DL	LOD	Units
1,1,1,2-Tetrachloroethane	0.375U	0.500	0.150	0.375	ug/L
1,1,1-Trichloroethane	0.750U	1.00	0.310	0.750	ug/L
1,1,2,2-Tetrachloroethane	0.375U	0.500	0.150	0.375	ug/L
1,1,2-Trichloroethane	0.300U	0.400	0.120	0.300	ug/L
1,1-Dichloroethane	0.750U	1.00	0.310	0.750	ug/L
1,1-Dichloroethene	0.750U	1.00	0.310	0.750	ug/L
1,1-Dichloropropene	0.750U	1.00	0.310	0.750	ug/L
1,2,3-Trichlorobenzene	0.750U	1.00	0.310	0.750	ug/L
1,2,3-Trichloropropane	0.750U	1.00	0.310	0.750	ug/L
1,2,4-Trichlorobenzene	0.750U	1.00	0.310	0.750	ug/L
1,2,4-Trimethylbenzene	0.750U	1.00	0.310	0.750	ug/L
1,2-Dibromo-3-chloropropane	7.50U	10.0	3.10	7.50	ug/L
1,2-Dibromoethane	0.0562U	0.0750	0.0180	0.0562	ug/L
1,2-Dichlorobenzene	0.750U	1.00	0.310	0.750	ug/L
1,2-Dichloroethane	0.375U	0.500	0.200	0.375	ug/L
1,2-Dichloropropane	0.750U	1.00	0.310	0.750	ug/L
1,3,5-Trimethylbenzene	0.750U	1.00	0.310	0.750	ug/L
1,3-Dichlorobenzene	0.750U	1.00	0.310	0.750	ug/L
1,3-Dichloropropane	0.375U	0.500	0.150	0.375	ug/L
1,4-Dichlorobenzene	0.375U	0.500	0.150	0.375	ug/L
2,2-Dichloropropane	0.750U	1.00	0.310	0.750	ug/L
2-Butanone (MEK)	7.50U	10.0	3.10	7.50	ug/L
2-Chlorotoluene	0.750U	1.00	0.310	0.750	ug/L
2-Hexanone	7.50U	10.0	3.10	7.50	ug/L
4-Chlorotoluene	0.750U	1.00	0.310	0.750	ug/L
4-Isopropyltoluene	0.750U	1.00	0.310	0.750	ug/L
4-Methyl-2-pentanone (MIBK)	7.50U	10.0	3.10	7.50	ug/L
Benzene	0.300U	0.400	0.120	0.300	ug/L
Bromobenzene	0.750U	1.00	0.310	0.750	ug/L
Bromochloromethane	0.750U	1.00	0.310	0.750	ug/L
Bromodichloromethane	0.375U	0.500	0.150	0.375	ug/L
Bromoform	0.750U	1.00	0.310	0.750	ug/L
Bromomethane	4.50U	6.00	3.00	4.50	ug/L
Carbon disulfide	7.50U	10.0	3.10	7.50	ug/L
Carbon tetrachloride	0.750U	1.00	0.310	0.750	ug/L
Chlorobenzene	0.375U	0.500	0.150	0.375	ug/L
Chloroethane	0.750U	1.00	0.310	0.750	ug/L
Chloroform	0.750U	1.00	0.310	0.750	ug/L
Chloromethane	0.750U	1.00	0.310	0.750	ug/L
cis-1,2-Dichloroethene	0.750U	1.00	0.310	0.750	ug/L
cis-1,3-Dichloropropene	0.375U	0.500	0.150	0.375	ug/L
Dibromochloromethane	0.375U	0.500	0.150	0.375	ug/L

Method Blank

Blank ID: MB for HBN 1908431 [VXX/42673]
Blank Lab ID: 1814053

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1250964001, 1250964002, 1250964003, 1250964004

Results by **SW8260D**

Parameter	Results	LOQ/CL	DL	LOD	Units
Dibromomethane	0.750U	1.00	0.310	0.750	ug/L
Dichlorodifluoromethane	0.750U	1.00	0.310	0.750	ug/L
Ethylbenzene	0.750U	1.00	0.310	0.750	ug/L
Freon-113	7.50U	10.0	3.10	7.50	ug/L
Hexachlorobutadiene	0.750U	1.00	0.310	0.750	ug/L
Isopropylbenzene (Cumene)	0.750U	1.00	0.310	0.750	ug/L
Methylene chloride	7.50U	10.0	3.10	7.50	ug/L
Methyl-t-butyl ether	7.50U	10.0	3.10	7.50	ug/L
Naphthalene	0.750U	1.00	0.310	0.750	ug/L
n-Butylbenzene	0.750U	1.00	0.310	0.750	ug/L
n-Propylbenzene	0.750U	1.00	0.310	0.750	ug/L
o-Xylene	0.750U	1.00	0.310	0.750	ug/L
P & M -Xylene	1.50U	2.00	0.620	1.50	ug/L
sec-Butylbenzene	0.750U	1.00	0.310	0.750	ug/L
Styrene	0.750U	1.00	0.310	0.750	ug/L
tert-Butylbenzene	0.750U	1.00	0.310	0.750	ug/L
Tetrachloroethene	0.750U	1.00	0.310	0.750	ug/L
Toluene	0.750U	1.00	0.310	0.750	ug/L
trans-1,2-Dichloroethene	0.750U	1.00	0.310	0.750	ug/L
trans-1,3-Dichloropropene	0.750U	1.00	0.310	0.750	ug/L
Trichloroethene	0.375U	0.500	0.150	0.375	ug/L
Trichlorofluoromethane	0.750U	1.00	0.310	0.750	ug/L
Vinyl acetate	7.50U	10.0	3.10	7.50	ug/L
Vinyl chloride	0.112U	0.150	0.0500	0.112	ug/L
Xylenes (total)	2.25U	3.00	1.00	2.25	ug/L
Surrogates					
1,2-Dichloroethane-D4 (surr)	102	81-118		0	%
4-Bromofluorobenzene (surr)	101	85-114		0	%
Toluene-d8 (surr)	98.6	89-112		0	%

Batch Information

Analytical Batch: VMS24180
Analytical Method: SW8260D
Instrument: VPA 780/5975 GC/MS
Analyst: APB
Analytical Date/Time: 3/21/2025 10:39:00AM

Prep Batch: VXX42673
Prep Method: SW5030B
Prep Date/Time: 3/21/2025 6:00:00AM
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

Print Date: 03/28/2025 4:24:07PM

Leaching Blank

Blank ID: LB for HBN 1908375 [TCLP/13654
Blank Lab ID: 1813989

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1250964001, 1250964002, 1250964003, 1250964004

Results by **SW8260D**

Parameter	Results	LOQ/CL	DL	LOD	Units
1,1-Dichloroethene	37.5U	50.0	15.5	37.5	ug/L
1,2-Dichloroethane	18.8U	25.0	10.0	18.8	ug/L
1,4-Dichlorobenzene	18.8U	25.0	7.50	18.8	ug/L
2-Butanone (MEK)	375U	500	155	375	ug/L
Benzene	2250*	20.0	6.00	15.0	ug/L
Carbon tetrachloride	37.5U	50.0	15.5	37.5	ug/L
Chlorobenzene	18.8U	25.0	7.50	18.8	ug/L
Chloroform	37.5U	50.0	15.5	37.5	ug/L
Hexachlorobutadiene	37.5U	50.0	15.5	37.5	ug/L
Tetrachloroethene	37.5U	50.0	15.5	37.5	ug/L
Trichloroethene	18.8U	25.0	7.50	18.8	ug/L
Vinyl chloride	5.63U	7.50	2.50	5.63	ug/L
Surrogates					
1,2-Dichloroethane-D4 (surr)	101	81-118		0	%
4-Bromofluorobenzene (surr)	101	85-114		0	%
Toluene-d8 (surr)	105	89-112		0	%

Batch Information

Analytical Batch: VMS24180
Analytical Method: SW8260D
Instrument: VPA 780/5975 GC/MS
Analyst: APB
Analytical Date/Time: 3/21/2025 7:26:00PM

Prep Batch: VXX42673
Prep Method: SW5030B
Prep Date/Time: 3/21/2025 6:00:00AM
Prep Initial Wt./Vol.: 5 mL
Prep Extract Vol: 5 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Blank Spike Summary

Blank Spike ID: LCS for HBN 1250964 [VXX42673]
Blank Spike Lab ID: 1814054
Date Analyzed: 03/21/2025 12:10

Spike Duplicate ID: LCSD for HBN 1250964 [VXX42673]
Spike Duplicate Lab ID: 1814055
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1250964001, 1250964002, 1250964003, 1250964004

Results by **SW8260D**

	Blank Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
1,1,1,2-Tetrachloroethane	30	31.4	105	30	31.0	103	(78-124)	1.00	(< 20)
1,1,1-Trichloroethane	30	33.1	110	30	32.7	109	(74-131)	1.20	(< 20)
1,1,2,2-Tetrachloroethane	30	31.4	105	30	31.2	104	(71-121)	0.55	(< 20)
1,1,2-Trichloroethane	30	29.9	100	30	29.5	98	(80-119)	1.20	(< 20)
1,1-Dichloroethane	30	31.0	103	30	30.9	103	(77-125)	0.48	(< 20)
1,1-Dichloroethene	30	31.6	105	30	31.2	104	(71-131)	1.30	(< 20)
1,1-Dichloropropene	30	34.0	113	30	33.7	112	(79-125)	0.84	(< 20)
1,2,3-Trichlorobenzene	30	30.9	103	30	31.4	105	(69-129)	1.70	(< 20)
1,2,3-Trichloropropane	30	31.0	103	30	31.0	103	(73-122)	0.18	(< 20)
1,2,4-Trichlorobenzene	30	31.5	105	30	31.7	106	(69-130)	0.74	(< 20)
1,2,4-Trimethylbenzene	30	33.2	111	30	33.2	111	(79-124)	0.04	(< 20)
1,2-Dibromo-3-chloropropane	30	32.0	107	30	32.1	107	(62-128)	0.24	(< 20)
1,2-Dibromoethane	30	29.8	99	30	29.6	99	(77-121)	0.48	(< 20)
1,2-Dichlorobenzene	30	30.9	103	30	31.1	104	(80-119)	0.51	(< 20)
1,2-Dichloroethane	30	29.0	97	30	28.9	96	(73-128)	0.42	(< 20)
1,2-Dichloropropane	30	31.4	105	30	31.1	104	(78-122)	0.84	(< 20)
1,3,5-Trimethylbenzene	30	33.3	111	30	33.5	112	(75-124)	0.47	(< 20)
1,3-Dichlorobenzene	30	32.1	107	30	31.9	106	(80-119)	0.63	(< 20)
1,3-Dichloropropane	30	29.9	100	30	30.1	100	(80-119)	0.54	(< 20)
1,4-Dichlorobenzene	30	31.6	105	30	31.7	106	(79-118)	0.16	(< 20)
2,2-Dichloropropane	30	33.7	112	30	33.8	113	(60-139)	0.47	(< 20)
2-Butanone (MEK)	90	93.9	104	90	93.1	103	(56-143)	0.80	(< 20)
2-Chlorotoluene	30	31.5	105	30	31.5	105	(79-122)	0.15	(< 20)
2-Hexanone	90	95.7	106	90	95.1	106	(57-139)	0.63	(< 20)
4-Chlorotoluene	30	33.0	110	30	33.1	110	(78-122)	0.27	(< 20)
4-Isopropyltoluene	30	33.5	112	30	33.1	110	(77-127)	1.40	(< 20)
4-Methyl-2-pentanone (MIBK)	90	95.6	106	90	94.2	105	(67-130)	1.60	(< 20)
Benzene	30	31.1	104	30	31.1	104	(79-120)	0.12	(< 20)
Bromobenzene	30	31.4	105	30	31.4	105	(80-120)	0.06	(< 20)
Bromochloromethane	30	30.3	101	30	29.8	99	(78-123)	1.50	(< 20)
Bromodichloromethane	30	31.3	104	30	31.0	103	(79-125)	1.00	(< 20)
Bromoform	30	31.0	103	30	30.3	101	(66-130)	2.10	(< 20)
Bromomethane	30	27.7	92	30	28.2	94	(53-141)	2.10	(< 20)
Carbon disulfide	45	41.5	92	45	41.5	92	(64-133)	0.15	(< 20)

Blank Spike Summary

Blank Spike ID: LCS for HBN 1250964 [VXX42673]
Blank Spike Lab ID: 1814054
Date Analyzed: 03/21/2025 12:10

Spike Duplicate ID: LCSD for HBN 1250964 [VXX42673]
Spike Duplicate Lab ID: 1814055
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1250964001, 1250964002, 1250964003, 1250964004

Results by **SW8260D**

	Blank Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Carbon tetrachloride	30	33.0	110	30	32.7	109	(72-136)	0.95	(< 20)
Chlorobenzene	30	30.3	101	30	30.0	100	(82-118)	1.10	(< 20)
Chloroethane	30	32.1	107	30	27.9	93	(60-138)	13.90	(< 20)
Chloroform	30	30.5	102	30	30.2	101	(79-124)	1.00	(< 20)
Chloromethane	30	31.7	106	30	30.7	102	(50-139)	3.00	(< 20)
cis-1,2-Dichloroethene	30	30.0	100	30	30.1	100	(78-123)	0.38	(< 20)
cis-1,3-Dichloropropene	30	32.2	107	30	31.9	106	(75-124)	0.75	(< 20)
Dibromochloromethane	30	31.0	103	30	30.9	103	(74-126)	0.33	(< 20)
Dibromomethane	30	29.5	98	30	29.3	98	(79-123)	0.52	(< 20)
Dichlorodifluoromethane	30	37.0	123	30	35.8	119	(32-152)	3.20	(< 20)
Ethylbenzene	30	31.7	106	30	31.1	104	(79-121)	2.00	(< 20)
Freon-113	45	48.0	107	45	47.7	106	(70-136)	0.51	(< 20)
Hexachlorobutadiene	30	32.3	108	30	33.0	110	(66-134)	2.20	(< 20)
Isopropylbenzene (Cumene)	30	32.0	107	30	31.9	106	(72-131)	0.20	(< 20)
Methylene chloride	30	29.9	100	30	29.6	99	(74-124)	1.10	(< 20)
Methyl-t-butyl ether	45	45.6	101	45	45.3	101	(71-124)	0.59	(< 20)
Naphthalene	30	31.9	106	30	31.9	106	(61-128)	0.21	(< 20)
n-Butylbenzene	30	34.2	114	30	34.2	114	(75-128)	0.18	(< 20)
n-Propylbenzene	30	33.1	110	30	32.8	109	(76-126)	0.71	(< 20)
o-Xylene	30	30.7	102	30	30.3	101	(78-122)	1.50	(< 20)
P & M -Xylene	60	61.9	103	60	62.5	104	(80-121)	0.86	(< 20)
sec-Butylbenzene	30	33.1	110	30	33.8	113	(77-126)	2.00	(< 20)
Styrene	30	31.0	103	30	31.1	104	(78-123)	0.23	(< 20)
tert-Butylbenzene	30	33.8	113	30	33.7	112	(78-124)	0.31	(< 20)
Tetrachloroethene	30	32.6	109	30	32.5	108	(74-129)	0.45	(< 20)
Toluene	30	31.0	103	30	30.8	103	(80-121)	0.58	(< 20)
trans-1,2-Dichloroethene	30	31.0	103	30	30.8	103	(75-124)	0.66	(< 20)
trans-1,3-Dichloropropene	30	32.5	108	30	32.1	107	(73-127)	1.30	(< 20)
Trichloroethene	30	31.9	106	30	31.8	106	(79-123)	0.41	(< 20)
Trichlorofluoromethane	30	33.4	111	30	30.0	100	(65-141)	10.80	(< 20)
Vinyl acetate	30	30.5	102	30	29.6	99	(54-146)	3.20	(< 20)
Vinyl chloride	30	31.7	106	30	31.0	103	(58-137)	2.30	(< 20)
Xylenes (total)	90	92.7	103	90	92.7	103	(79-121)	0.07	(< 20)

Blank Spike Summary

Blank Spike ID: LCS for HBN 1250964 [VXX42673]
Blank Spike Lab ID: 1814054
Date Analyzed: 03/21/2025 12:10

Spike Duplicate ID: LCSD for HBN 1250964 [VXX42673]
Spike Duplicate Lab ID: 1814055
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1250964001, 1250964002, 1250964003, 1250964004

Results by **SW8260D**

	Blank Spike (%)			Spike Duplicate (%)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Surrogates									
1,2-Dichloroethane-D4 (surr)	30		95	30		94	(81-118)	0.54	
4-Bromofluorobenzene (surr)	30		103	30		103	(85-114)	0.30	
Toluene-d8 (surr)	30		99	30		100	(89-112)	0.88	

Batch Information

Analytical Batch: **VMS24180**
Analytical Method: **SW8260D**
Instrument: **VPA 780/5975 GC/MS**
Analyst: **APB**

Prep Batch: **VXX42673**
Prep Method: **SW5030B**
Prep Date/Time: **03/21/2025 06:00**
Spike Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL
Dupe Init Wt./Vol.: 30 ug/L Extract Vol: 5 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Method Blank

Blank ID: MB for HBN 1908244 [XXX/51091]
Blank Lab ID: 1813757

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1250964001, 1250964002, 1250964003

Results by **8270E SIM LV (PAH)**

Parameter	Results	LOQ/CL	DL	LOD	Units
1-Methylnaphthalene	0.0375U	0.0500	0.0150	0.0375	ug/L
2-Methylnaphthalene	0.0375U	0.0500	0.0150	0.0375	ug/L
Acenaphthene	0.0375U	0.0500	0.0150	0.0375	ug/L
Acenaphthylene	0.0375U	0.0500	0.0150	0.0375	ug/L
Anthracene	0.0375U	0.0500	0.0150	0.0375	ug/L
Benzo(a)Anthracene	0.0375U	0.0500	0.0150	0.0375	ug/L
Benzo[a]pyrene	0.0150U	0.0200	0.00620	0.0150	ug/L
Benzo[b]Fluoranthene	0.0375U	0.0500	0.0150	0.0375	ug/L
Benzo[g,h,i]perylene	0.0375U	0.0500	0.0150	0.0375	ug/L
Benzo[k]fluoranthene	0.0375U	0.0500	0.0150	0.0375	ug/L
Chrysene	0.0375U	0.0500	0.0150	0.0375	ug/L
Dibenzo[a,h]anthracene	0.0150U	0.0200	0.00620	0.0150	ug/L
Fluoranthene	0.0375U	0.0500	0.0150	0.0375	ug/L
Fluorene	0.0375U	0.0500	0.0150	0.0375	ug/L
Indeno[1,2,3-c,d] pyrene	0.0375U	0.0500	0.0150	0.0375	ug/L
Naphthalene	0.0750U	0.100	0.0310	0.0750	ug/L
Phenanthrene	0.0750U	0.100	0.0310	0.0750	ug/L
Pyrene	0.0375U	0.0500	0.0150	0.0375	ug/L
Surrogates					
2-Methylnaphthalene-d10 (surr)	46.8	38-100		0	%
Fluoranthene-d10 (surr)	63.7	30-111		0	%

Batch Information

Analytical Batch: XMS14818
Analytical Method: 8270E SIM LV (PAH)
Instrument: Agilent GC 7890B/5977A SWA
Analyst: HJL
Analytical Date/Time: 3/24/2025 12:05:00PM

Prep Batch: XXX51091
Prep Method: SW3535A
Prep Date/Time: 3/19/2025 10:30:00AM
Prep Initial Wt./Vol.: 250 mL
Prep Extract Vol: 1 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1250964 [XXX51091]
Blank Spike Lab ID: 1813758
Date Analyzed: 03/24/2025 12:20

Spike Duplicate ID: LCSD for HBN 1250964 [XXX51091]
Spike Duplicate Lab ID: 1813759
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1250964001, 1250964002, 1250964003

Results by **8270E SIM LV (PAH)**

	Blank Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
1-Methylnaphthalene	2	0.989	49	2	0.917	46	(41-115)	7.50	(< 20)
2-Methylnaphthalene	2	0.902	45	2	0.887	44	(39-114)	1.70	(< 20)
Acenaphthene	2	1.10	55	2	1.06	53	(48-114)	2.90	(< 20)
Acenaphthylene	2	1.01	51	2	1.00	50	(35-121)	0.93	(< 20)
Anthracene	2	1.13	56	2	1.14	57	(53-119)	1.00	(< 20)
Benzo(a)Anthracene	2	1.45	73	2	1.51	76	(59-120)	4.00	(< 20)
Benzo[a]pyrene	2	1.36	68	2	1.46	73	(53-120)	6.90	(< 20)
Benzo[b]Fluoranthene	2	1.43	71	2	1.48	74	(53-126)	3.90	(< 20)
Benzo[g,h,i]perylene	2	1.53	77	2	1.67	84	(44-128)	8.90	(< 20)
Benzo[k]fluoranthene	2	1.43	72	2	1.58	79	(54-125)	9.90	(< 20)
Chrysene	2	1.38	69	2	1.52	76	(57-120)	9.50	(< 20)
Dibenzo[a,h]anthracene	2	1.59	80	2	1.75	88	(44-131)	9.60	(< 20)
Fluoranthene	2	1.25	62	2	1.19	60	(58-120)	4.40	(< 20)
Fluorene	2	1.15	58	2	1.13	56	(50-118)	2.20	(< 20)
Indeno[1,2,3-c,d] pyrene	2	1.51	76	2	1.67	83	(48-130)	9.60	(< 20)
Naphthalene	2	0.931	47	2	0.909	45	(43-114)	2.50	(< 20)
Phenanthrene	2	1.20	60	2	1.19	60	(53-115)	0.79	(< 20)
Pyrene	2	1.33	66	2	1.27	63	(53-121)	4.50	(< 20)
Surrogates									
2-Methylnaphthalene-d10 (surr)	2		45	2		49	(38-100)	9.50	
Fluoranthene-d10 (surr)	2		63	2		65	(30-111)	3.20	

Batch Information

Analytical Batch: **XMS14818**
Analytical Method: **8270E SIM LV (PAH)**
Instrument: **Agilent GC 7890B/5977A SWA**
Analyst: **HJL**

Prep Batch: **XXX51091**
Prep Method: **SW3535A**
Prep Date/Time: **03/19/2025 10:30**
Spike Init Wt./Vol.: 2 ug/L Extract Vol: 1 mL
Dupe Init Wt./Vol.: 2 ug/L Extract Vol: 1 mL

Print Date: 03/28/2025 4:24:15PM

Method Blank

Blank ID: MB for HBN 1908338 [XXX/51093]
Blank Lab ID: 1813819

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1250964001, 1250964002, 1250964003

Results by **AK102**

Parameter	Results	LOQ/CL	DL	LOD	Units
Diesel Range Organics	0.450U	0.600	0.200	0.450	mg/L
Surrogates					
5a Androstane (surr)	68.8	60-120		0	%

Batch Information

Analytical Batch: XFC17175
Analytical Method: AK102
Instrument: Agilent 7890B F
Analyst: T.L
Analytical Date/Time: 3/21/2025 9:43:00AM

Prep Batch: XXX51093
Prep Method: SW3520C
Prep Date/Time: 3/19/2025 3:30:00PM
Prep Initial Wt./Vol.: 250 mL
Prep Extract Vol: 1 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Blank Spike Summary

Blank Spike ID: LCS for HBN 1250964 [XXX51093]
Blank Spike Lab ID: 1813820
Date Analyzed: 03/21/2025 09:53

Spike Duplicate ID: LCSD for HBN 1250964 [XXX51093]
Spike Duplicate Lab ID: 1813821
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1250964001, 1250964002, 1250964003

Results by **AK102**

	Blank Spike (mg/L)				Spike Duplicate (mg/L)					
Parameter	Spike	Result	Rec (%)		Spike	Result	Rec (%)		CL	RPD (%)	RPD CL
Diesel Range Organics	20	13.1	65	*	20	13.3	67	*	(75-125)	1.70	(< 20)
Surrogates											
5a Androstane (surr)	0.4		83		0.4		80		(60-120)	3.30	

Batch Information

Analytical Batch: **XFC17175**
Analytical Method: **AK102**
Instrument: **Agilent 7890B F**
Analyst: **T.L**

Prep Batch: **XXX51093**
Prep Method: **SW3520C**
Prep Date/Time: **03/19/2025 15:30**
Spike Init Wt./Vol.: 0.4 mg/L Extract Vol: 1 mL
Dupe Init Wt./Vol.: 0.4 mg/L Extract Vol: 1 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Method Blank

Blank ID: MB for HBN 1908338 [XXX/51093]
Blank Lab ID: 1813819

Matrix: Water (Surface, Eff., Ground)

QC for Samples:
1250964001, 1250964002, 1250964003

Results by **AK103**

Parameter	Results	LOQ/CL	DL	LOD	Units
Residual Range Organics	0.375U	0.500	0.200	0.375	mg/L
Surrogates					
n-Triacontane-d62 (surr)	96.2	60-120		0	%

Batch Information

Analytical Batch: XFC17175
Analytical Method: AK103
Instrument: Agilent 7890B F
Analyst: T.L
Analytical Date/Time: 3/21/2025 9:43:00AM

Prep Batch: XXX51093
Prep Method: SW3520C
Prep Date/Time: 3/19/2025 3:30:00PM
Prep Initial Wt./Vol.: 250 mL
Prep Extract Vol: 1 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1250964 [XXX51093]
Blank Spike Lab ID: 1813820
Date Analyzed: 03/21/2025 09:53

Spike Duplicate ID: LCSD for HBN 1250964 [XXX51093]
Spike Duplicate Lab ID: 1813821
Matrix: Water (Surface, Eff., Ground)

QC for Samples: 1250964001, 1250964002, 1250964003

Results by **AK103**

	Blank Spike (mg/L)			Spike Duplicate (mg/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Residual Range Organics	20	16.3	82	20	14.9	75	(60-120)	9.00	(< 20)
Surrogates									
n-Triacontane-d62 (surr)	0.4		94	0.4		87	(60-120)	7.20	

Batch Information

Analytical Batch: **XFC17175**
Analytical Method: **AK103**
Instrument: **Agilent 7890B F**
Analyst: **T.L**

Prep Batch: **XXX51093**
Prep Method: **SW3520C**
Prep Date/Time: **03/19/2025 15:30**
Spike Init Wt./Vol.: 0.4 mg/L Extract Vol: 1 mL
Dupe Init Wt./Vol.: 0.4 mg/L Extract Vol: 1 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

SGS

SGS North America Inc.
CHAIN OF CUSTODY RECORD

1250964

Profile #: 364304 Int.: CW

Page 1 of 1

Instructions: Sections 1 - 5 must be filled out. Omissions may delay the onset of analysis.

Section 1

CLIENT: 3-Tier Alaska	
CONTACT: Casey Volk	PHONE #: 907-522-4337
PROJECT NAME: Port William	Project/Permit Number:
	NPDL Number(DOD):
REPORTS TO: 3-Tier Alaska	E-MAIL: cvolk@3tieralaska.com
INVOICE TO: 3-Tier Alaska	QUOTE #:
	P.O. #: 1598-21

Section 2

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HH:MM	MATRIX/ MATRIX CODE	# CONTAINERS	Sample Type (Comp / Grab / MI)	Analysis* 6020 Total Pb	8260 VOC	AK102/103 DRO/RRO	8270 SIM PAH	REMARKS/LOC ID
							HNO3	HCl	HCl		
1AH	TE1	3/12/2025	1150	Water	11	Grab	X	X	X	X	
2AH	TF1	3/12/2025	1230	Water	11	Grab	X	X	X	X	
3AH	TF2	3/12/2025	1240	Water	11	Grab	X	X	X	X	
4AF	Trip Blank										

NOTE: *The following analyses require specific method and/or compound list: BTEX, Metals, PFAS

Comments:

Section 4

DOD Project? YES (NO)

Data Deliverables Requested

DataView (SEDD) EQUIS

Level 4 ERPIMS Other:_____

Turnaround Time Requested

Standard

(Rush)

Requested Rush Report Date:___ 3/31/2025

SGS Sample Receipt (Lab Use Only)

Delivery Method: (Client) Commercial

Did each cooler have a corresponding COC? (Yes) No

Chain of Custody Seal Condition: (NTACT) BROKEN ABSENT

COC Seal Location(s): IF

Section 5

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	3/14	1244	
	3/14/25	1244	

Laboratory Use Only

Cooler ID	Temperature (°C)	Therm. ID
1. 1	3.2°C	D57
2.		
3.		

If more than three coolers are received, or for documentation of non-compliant coolers, use form FS-0029.

Note: If temp. is outside 0-6° and samples were not taken <8 hours ago OR are waste samples, Client or PM should initial here or attach an email change order to proceed with analysis. If ice is present, note on form F102B.

Intials:_____

http://www.sgs.com/terms-and-conditions

1250964

SGS

SAMPLE RECEIPT FORM

Project Manager Completion				
Was all necessary information recorded on the COC upon receipt? (Temperature, COC seals, etc.?)	(Yes)	No	N/A	
Was temperature between 0-6° C?	(Yes)	No	N/A	If "No", are the samples either exempt* or sampled <8 hours prior to receipt?
Were all analyses received within holding time*?	(Yes)	No	N/A	
Was a method specified for each analysis, where applicable? If no, please note correct methods.	(Yes)	No	N/A	
Are compound lists specified, where applicable? For project specific or special compound lists please note correct analysis code.	Yes	No	(N/A)	
If rush was requested by the client, was the requested TAT approved?	Yes	No	(N/A)	If "NO", what is the approved TAT?
If SEDD Deliverables are required, were Location ID's and an NPDL Number provided?	Yes	No	(N/A)	*If "NO", contact client for information.*
Sample Login Completion				
Do ID's on sample containers match COC?	Yes	(No)	N/A	☆
If provided on containers, do dates/times collected match COC?	(Yes)	No	N/A	Note: If times differ <1 hr., record details below and login per COC.
Were all sample containers received in good condition?	(Yes)	No	N/A	
Were proper containers (type/mass/volume/preservative) received for all samples? **See form F-083 "Sample Guide"*	(Yes)	No	N/A	*Note: If 200.8/6020 Total Metals are received unpreserved, preserve, and note HNO3 lot here:* *If 200.8/6020 Dissolved Metals are received unpreserved, log in for LABFILTER and do not preserve.* *For all non-metals methods, inform Project Manager.*
Were Trip Blanks (VOC, GRO, Low-Level Hg, etc.) received with samples, where applicable*?	(Yes)	No	N/A	
Were all VOA vials free of headspace >6mm?	(Yes)	No	N/A	
Were all soil VOA samples received field extracted with Methanol?	Yes	No	(N/A)	
Did all soil VOA samples have an accompanying unpreserved container for % solids?	Yes	No	(N/A)	
If special handling is required, were containers labelled appropriately? e.g. MI/ISM, foreign soils, lab filter, Ref Lab, limited volume	Yes	No	(N/A)	
For Rush/Short Holding time, was the lab notified?	Yes	No	(N/A)	
For any question answered "NO", was the Project Manager notified?	(Yes)	No	N/A	PM Initials: See below
Was Peer Review of sample numbering/labelling completed?	(Yes)	No	N/A	Reviewer Initials: MA

Additional Notes/Clarification where Applicable, including resolution of "No" answers when a change order is not attached:

☆ GRO Containers received, not on COC
Do not perform GRO analysis. GM 3/14/25.

Sample Containers and Preservatives

Container Id	Preservative	Container Condition	Container Id	Preservative	Container Condition
1250964001-A	HNO3 to pH < 2	OK			
1250964001-B	HCL to pH < 2	OK			
1250964001-C	HCL to pH < 2	OK			
1250964001-D	HCL to pH < 2	OK			
1250964001-E	HCL to pH < 2	OK			
1250964001-F	HCL to pH < 2	OK			
1250964001-G	No Preservative Required	OK			
1250964001-H	No Preservative Required	OK			
1250964002-A	HNO3 to pH < 2	OK			
1250964002-B	HCL to pH < 2	OK			
1250964002-C	HCL to pH < 2	OK			
1250964002-D	HCL to pH < 2	OK			
1250964002-E	HCL to pH < 2	OK			
1250964002-F	HCL to pH < 2	OK			
1250964002-G	No Preservative Required	OK			
1250964002-H	No Preservative Required	OK			
1250964003-A	HNO3 to pH < 2	OK			
1250964003-B	HCL to pH < 2	OK			
1250964003-C	HCL to pH < 2	OK			
1250964003-D	HCL to pH < 2	OK			
1250964003-E	HCL to pH < 2	OK			
1250964003-F	HCL to pH < 2	OK			
1250964003-G	No Preservative Required	OK			
1250964003-H	No Preservative Required	OK			
1250964004-A	HCL to pH < 2	OK			
1250964004-B	HCL to pH < 2	OK			
1250964004-C	HCL to pH < 2	OK			
1250964004-D	HCL to pH < 2	OK			
1250964004-E	HCL to pH < 2	OK			
1250964004-F	HCL 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.