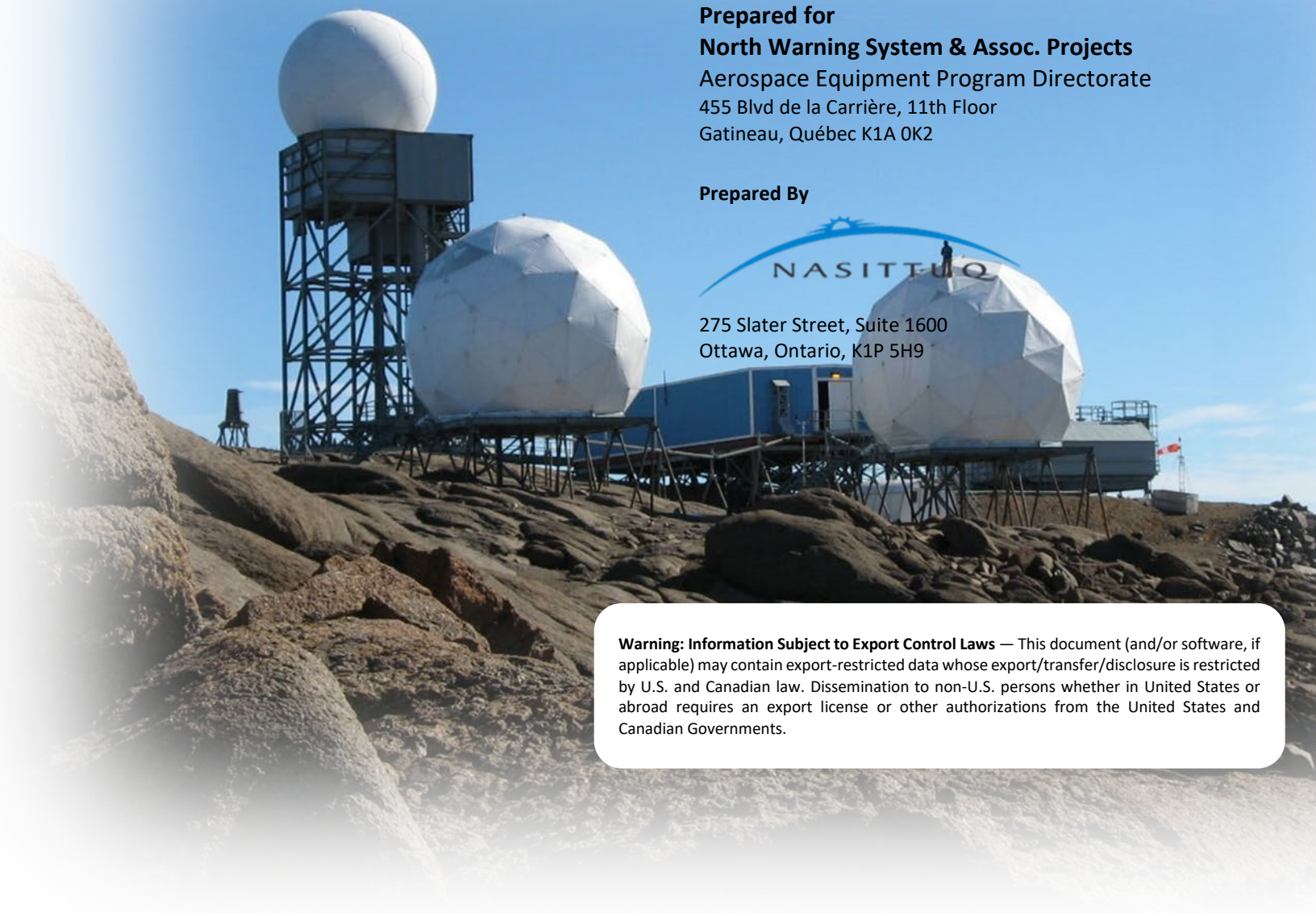
2025 CAM-M ANNUAL NUNAVUT WATER BOARD REPORT

FOR THE

NORTH WARNING SYSTEM

Contract # W8485-157352/001/NX
SOW Ref: 17.7

Document Number
17.7 NWB-ML-2025 , 31-Mar-2026



Prepared for
North Warning System & Assoc. Projects
Aerospace Equipment Program Directorate
455 Blvd de la Carrière, 11th Floor
Gatineau, Québec K1A 0K2

Prepared By

NASITTUQ

275 Slater Street, Suite 1600
Ottawa, Ontario, K1P 5H9

Sivunniutit Uqausingit

ᓇᓗᓇᐃᖅᓯᒪᓂᖏ ᐃᓄᑦᑎᑑᖕᒥᓂᐊᖅᑐᑦ

EXECUTIVE SUMMARY IN ENGLISH FOLLOWS

UKAUTAIT NAITUUKHIMAYUT – CAM-M

Una 2025 Ukiumi Uniudjutit hapkununga Nunavunmi Imaliqiyit Katimayiit (NWB) upalungaiyaqtauhimayuq hapkunanga Nasittuq hapkununga Anguyaktinun (DND) piyaangini piyakhat uvani Ilangani B "Tamainun Qanuginiit", titiraqhimayuq 1 laisiani 8BC-CAM1929. Una uniudjut pidjutigiyaa 01 Ubluqtuhivia hamunga 31 Ubluiqtirvia 2025. Nasittuq Auladjutinun uvalu Ihuaqhainikkut (O&M) Katulaakti hapkununga Tunungani Qayangnautikkut Auladjutit (NWS), ilauyut CAM-M, ilauyuq (inuqaqtuq) NWS radar nayugaa nayugaa uvani Ikaluktutiak, Nunavut. Imarmik aturninnga CAM-M 2025-mi ittuq 1492.50 m^3, mikitqiyauyuq ukiumi kiklinganit 3650 m^3. Anginiqhaq imaq imiqtaqtauyuq ubluq tamaat imaa 11.2 m^3, kitut ataani ubluni kiklikhaa imaa 300 m^3. Anaqtautit talvani CAM-M hanaqiyauvaktut pingahuuyunit iqqakuq imaq halummaqtirutaanit. Ilangit halummaqtiqhimayut iqqakuit atuqtauffaaqpaktut talvani quiyaqturviit/anarviit kuviraqviit imarmik. Kuviraqtauyuq halummaqtiqhimayuq halummaqtiqhimayuq imaq nakuuqpiaqtuq. Uuktuutit halumaqtiqhimayut halumailruit tuyuqtauyut qauyihaivingmin ihivriuqtauyukhat attautini tatqiqhiutini 2025mi. Hivuuranaqtut iqakut, ilauyut uqhuqyuat, hapkunanga CAM-M tuyuqtauyut angiqtauhimayumun hivuuganaqtut iqakuuqvingmun hilataani Nunavut piyakhatigut laisini. Hivuuranaqtut iqakut tuyuqtauyut hapkunanga CAM-M uvani 2025mi piqaqtut 32nik qataqyungnik aalakiinik hivuuganaqtunik iqakunik (uqhuqyuat, uqhuqyuat halumaqhitiit). Hivuuranangitut iglumi iqakut igitauyut nunamingni iqakuuqvingmun katulaatigut Haamlatkunun Ikaluktutiami. Nasittuq titiraqhimayait angigutit nunallaanin piyaamingnik iqakunik. Imaijaqtautinnagu, imaq iluaniittuq kuvilaitkutikhanut urhurjuaqarviit (CDL-3) ihivriuqtauvaktuq atuqhutik uqhurjuanik naunaijaidjutinik strips-nik. Uuktuutit strips tutqighaiyut imaq iluaniituq halumailguq qanuginiitigut kikliit titiraqhimayut imakkut laisiani, Ilangani D. Humiittaakhainut piksaliuqhimayullu naunaitkutait ihivriuqtauyariirumik takunnaqtut talvani Annex D. Hiamitiqtuqangituq avatiptingnun uvani 2025mi.

ᓇᓗᓇᐃᔨᖅᓯᒪᓂᖅᓯᑦ

EXECUTIVE SUMMARY IN ENGLISH FOLLOWS

CAM-M ᐊᐅᓪᓕᑎᑕᓂᖅᓴᓐᓄᑦ ᓇᐃᓐᓇᖅᓯᓪᓚᑦ

ᑕᕆᓇ 2025-ᒥ ᐊᖏᕐᕿᒋᒪᖅᓯᐅᑦ ᐅᓂᒃᑲᓕᐊᖅ ᓄᓇᕗᓪᒥ ᐃᒪᓕᓀᓴᑦ ᑲᑎᒪᔨᖏᕆᓂᓄᑦ (NWB) ᐱᓯᑭᕐᖅᑕᐅᓕᐅᖅᑐᖅ ᓇᓯᑦᑐᖏᓪᓗᑦ ᐅᓇᑕᖅᑐᐃᓕᓀᓀᓇᕐᓂᓄᑦ (DND) ᑎᑭᐅᒪᖏᓕᓂᑦ ᐊᑐᓀᐊᓕᖏᑦ ᐃᓕᓴᒃ ᐱ "ᑕᒪᐃᕆᓂᓄᑦ ᖃᓄᐃᓕᖅᓱᓂᖏᑦ", ᑎᑎᕋᖅᓯᒪᔪᑦ ᐊᑕᓂ 1 ᓕᐃᓴᖏᓱᓂ 8BC-CAM1929. ᑕᕆᓇ ᐅᓂᒃᑲᖅ ᐱᔪᔪᑎᖃᖅᐳᖅ ᓴᓄᐊᓗ 1-ᒥᑦ ᑎᓯᐱᓗ 31, 2025-ᒧᑦ. ᓇᓯᑦᑐᖅ ᐊᐅᓪᓕᑎᓂᕆᓕᒥᑦ ᑲᒪᒋᔭᖃᖅᐸᕕᓕᑦᓗᓪᓕᓗ (O&M) ᑲᓪᑐᓪᓚᑎᑎᓂᕐᐅᐅᓄᖅ ᐅᑭᐅᖅᑕᖅᑐᑐᒃ ᐅᐸᔨᖅᓯᓕᕐᓂᓕᒥᑦ ᐊᑐᖅᑕᐅᓄᖅᑐᒃᑐᒥᑦ (NWS), ᐃᓕᒪᔭᐅᓪᓗᓂ CAM-M, ᑕᕆᓇ ᐅᐸᑲᑕᐅᓯᒪᔪᖅ (ᐃᓄᖅᖃᖅᓴᓂ) NWS ᖃᐅᔨᓴᖅᓯᓂᓕᒥᑦ ᐃᓂᒪᔭᖅ ᐃᓂᖃᖅᑐᖅ ᐃᖃᓄᓪᑐᑎᑦᑎᐊᒥ, ᓄᓇᕗᓪᒥ. ᐃᒪᖏᑦ ᐊᑐᖏᓂᖅ CAM-M 2025-ᒥ 1492.50 m³-ᖅᓯᓕᐅᖅᐳᖅ, ᐊᑕᓅᓪᓴᓓᓂ ᐊᖏᕐᕿᒋᒪᖅᓯᒪᓕᒥᑦ ᑭᒡᓕᑎᑕᐅᓯᒪᓕᒥ 3650 m³-ᒥ. ᐊᖏᕈᓚᐅᔭᓚᑕᖅᑕᖓ ᐃᒥᖅᑕᖅᑕᐅᓕᔪᖅ ᐅᓪᓴᖏᑦ ᐊᑕᐅᓯᑦ 11.2 m³, ᐊᑕᓅᓪᓴᓓᓂ ᖃᐅᔨᑕᒪᒃᑯᑦ ᑭᒡᓕᑎᑕᐅᓯᒪᓕᒥ 300 m³. ᑭᓇᓗᑦ CAM-M ᐱᓕᓚᐊᖓᔪᐳᖅ ᐱᖓᒍᔪᖓᓄᓂᓂ ᐃᒥᑕᐅᓕᔪᖅ ᐃᒪᖏᑦ ᓴᓗᒪᖃᖅᓴᐃᖅᓯᓗᑦ. ᐃᓕᓴᒥᑦ ᓴᓗᒪᖃᖅᓴᖅᑕᐅᓯᒪᓕᒥᑦ ᐊᑐᖅᑕᐅᓯᒪᓕᒥᑦ ᐊᑐᑲᓂᓅᓴᖅᑕᐅᔪᖅᐳᑦ ᖁᔭᐃᖅᓯᓗᖅᑐᑦ ᐊᑐᖅᑕᐅᓯᒪᓕᒥᑦ ᐃᒪᖏᑦ ᓴᓗᒪᖃᖅᓴᖅᑕᐅᓯᒪᓕᒥᑦ ᐊᑐᖅᑕᐅᓯᒪᓕᒥᑦ ᐃᒥᑐᑲᓂᓅᓴᖅᑕᐅᓯᒪᓕᒥᑦ. ᖃᐅᔨᓴᖅᑲᑲᓂᖅ ᓴᓗᒪᖃᖅᓴᖅᑕᐅᓯᒪᓕᒥᑦ ᐊᑐᖅᑕᐅᓯᒪᓕᒥᑦ ᐊᑐᓂᓗᑎᒃᑲᓐᓂᒃ ᖃᐅᔨᓴᖅᑕᐅᓯᒪᓕᒥᑦ ᑕᖃᑭᒡᓕᑦ 2025-ᒥ. ᐊᑕᑦᓱᓴᖅᑐᑦ ᐊᑭᐅᔪᓂ, ᐃᓕᐅᖅᑕᓗᓂᑲ ᐅᖃᓕᖅᑎᑐᑎᒍᓂᖅ, CAM-M-ᔪᓂᓂ ᐊᐅᖅᑕᐅᓯᒪᓕᐅᖅᑐᑦ ᐊᖏᕐᕿᑕᐅᓯᒪᔪᒧᑦ ᐊᑦᑕᓱᓴᖅᑐᓄᓂ ᐊᑲᑕᓱᖅᑐᑦ ᓄᓇᕗᑦ ᔪᓚᑕᓂ ᓕᐃᓴᖏᓪᓗᑦ ᐱᔨᓴᐊᖅᑐᑕᐅᓂᖓᓄᓂ. ᐊᑦᑕᓱᓴᖅᑐᑦ ᐊᑲᑕᔪᓂ ᐊᐅᖅᑕᖅᑐᑕᐅᔪᑦ CAM-M-ᔪᓂᓂ 2025-ᒥ 32-ᖅᓯᓕᐅᖅᐳᑦ ᖃᑦᑕᐅᕆᕐᕿᐊᑦ ᐊᐳᔨᑲᖏᑦᑐᑐᒃᓂᓂᑲ ᐊᑦᑕᓱᓴᖅᑐᓂᓂ ᐊᑲᑕᔪᓂᓂ (ᐅᖅᔪᖅᑎᑭᑎᓴᓕᓂᑦ, ᐅᖅᔪᖅᑎᑭᑎᓴᓕᓂᑦ ᔪᑭᐳᕆᐃᓂᓕᖅᑎᓂᓂ ᐊᔪᖅᑐᓪᓚᑦ). ᖁᔪᓕᖅᓴᕐᓇᖏᑦᑐᑦ ᐊᖏᕐᕿᕋᓱᐃᓕᔪᓂ ᐊᑲᑕᔪᓂ ᐃᒥᑕᐅᓕᐅᖅᐳᑦ ᓄᓇᓕᖓᓂ ᐊᑲᑦᓴᓕᓂᑦ ᑲᓇᑕᒥ ᐃᓕᓴᖏᓪᓗᑦ ᐊᑐᖅᑕᐅᓯᒪᔪᓕᓂᑎᑦ ᐄᓪᓛᓕᒪᔨᐅᔪᓕᒥᑦ ᐃᖃᓗᖅᑎᑐᑎᒍᓂᓂ ᐊᑲᑕᔪᓂᓂ ᐊᑲᑦᓴᓕᓂᑦ ᐃᓕᓴᒃ ᐃᓄᖅᑐᑎᒍᓂᓂ ᐊᑲᑕᔪᓂᓂ. ᓇᓯᑦᑐᖅ ᑎᑎᕋᖅᓯᓯᒪᔭᖅ ᐱᔪᓐᓇᖅᑎᑕᐅᓂᖓᓄᑦ ᓄᓇᓕᖓᓂ ᐱᓂᕐᓂᓂ ᐊᑲᑦᓴᓕᓂᑦ. ᐊᑲᑦᓴᓕᓂᑦ ᐃᓕᓴᒃ ᐊᓂᔪᓐᓃᓕᓴᐅᑦ ᐅᖅᔪᐊᓗᖅᑐᖅ (CDL-3) ᖃᐅᔨᓴᖅᑕᐅᓕᐅᖅᑐᖅ ᐊᑐᖅᓯᑎᓂᑦ ᐅᖅᔪᐊᓗᓴᖏᓕᒥᑦ ᖃᐅᔨᓴᖅᑭᑎᓂᑦ. ᖃᐅᔨᓴᖅᑭᑎᑦ ᓇᓗᓇᐃᖅᓯᓕᐅᖅᑐᑦ ᐃᓕᓴᒃ ᐃᓗᐊᓂᓕᓂᒪᓂᑦ ᐄᓇᖏᑦᑐᑦ ᐃᓕᓴᖏᓪᓗᑦ ᐃᓕᓐᓂ D. ᓇᓂᓕᓂᑦᑎᑦ ᐊᖏᔪᒪᓕᖅᑎᑦ, ᐃᓕᓐᓂ D. 2025-ᒥ ᐊᓂᑎᒧᑦ ᔪᓚᐸᖃᓕᐅᖅᓯᑦᑐᖅ.

EXECUTIVE SUMMARY

This 2025 Annual Report for the Nunavut Water Board (NWB) has been prepared by Nasittuq for the Department of National Defence (DND) in order to meet the requirements of Part B "General Conditions", paragraph 1 of its licence 8BC-CAM1929. This report covers 01 January to 31 December 2025.

Nasittuq is the Operations and Maintenance (O&M) Contractor for the North Warning System (NWS), including CAM-M, the attended (manned) NWS radar site located at Cambridge Bay, Nunavut.

The water usage for CAM-M in 2025 was **1492.50 m³,** below the annual limit of 3650 m³. The maximum water drawn per day was **11.2 m³,** which is below the daily limit of 300 m³.

Sewage at CAM-M is processed by the tertiary wastewater treatment system. Some of the treated effluent is recycled as on-site urinal/toilet flush water. The discharged treated effluent is of potable water quality. A sample of the treated effluent was sent for laboratory analysis each month in 2025.

Hazardous waste, including waste oil, from CAM-M were sent to an approved hazardous waste disposal facility outside of Nunavut as required by the licence. The hazardous waste shipped from CAM-M in 2025 consisted of **32 drums of various hazardous waste** (waste oil, waste oil filters etc.)**.**

Non-hazardous domestic solid waste was disposed of at the local landfill through a contract with the Hamlet of Cambridge Bay. Nasittuq has documented authorization from the community for receiving the waste.

Prior to discharge, water contained in the berms of the fuel storage facilities (CDL-3) was assessed using hydrocarbon test strips. The test strips confirmed the water was within the effluent quality limits listed in the water licence, Part D. The coordinates and the photo log of the test strips after analysis are shown in **Annex D.**

There were no releases to the environment in 2025.

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

1.0 INTRODUCTION

This 2025 Annual Report for the Nunavut Water Board (NWB) has been prepared by Nasittuq for the Department of National Defence (DND) in order to meet the requirements of Part B "General Conditions", paragraph 1 of its licence 8BC-CAM1929 issued 01 September 2019. This report covers 01 January to 31 December 2025.

Nasittuq is the Operations and Maintenance (O&M) Contractor for the North Warning System (NWS), including CAM-M.

CAM-M is the NWS radar site located at Cambridge Bay, Nunavut.

1.1 Report Details

Licensee:	Department of National Defence, Government of Canada
Licence:	8BC-CAM1929 – Type "B"
Location:	CAM-M North Warning System Site, Cambridge Bay, Kitikmeot Region, Nunavut
Report Prepared by:	Alaina Leslie and reviewed by Don Beattie Nasittuq Corporation, 16-Mar-2026
Time period covered:	01 January to 31 December 2025

2.0 WATER USE

The water usage for CAM-M in 2025 was **1492.5 m³**, below the annual limit of 3650 m³. The maximum water drawn per day was **11.2 m³**, which is below the daily limit of 300 m³.

See Table 2-1 for the volume of water drawn at CAM-M each month in 2025.

Table 2-1: Monthly Raw Water Usage at CAM-M in 2025

Month	Raw water usage (m³)
January	128.6
February	108.5
March	117.5
April	112.9
May	117.7
June	114.2
July	138.8
August	114.2
September	115.8
October	156.9
November	140.8
December	126.6
TOTAL	**1492.50**

3.0 TREATED SEWAGE DISCHARGE

At CAM-M, the sewage and grey water were both processed through a Cycle-let® advanced tertiary wastewater treatment system. Some of the treated water is recycled as urinal/toilet flush water; the remainder is discharged at the designated outfall and is of potable water quality. See Table 3-1 for the volume of sewage and grey water treated by the Cycle-let® system. See **Section 6.0 – Monitoring Program** for details on sewage effluent monitoring.

The location and coordinates of treated sewage effluent outfall location (CDL-2) is contained in **Annex B.** Sewage sample analytical results and certificates of analysis are contained in **Annex C.**

Table 3-1: Monthly and Annual Volume of Sewage and Grey Water Treated at CAM-M in 2025

Month	Volume of sewage and greywater treated then discharged or recycled (m^3)
January	128.6
February	108.5
March	117.5
April	112.9
May	117.7
June	114.2
July	138.8
August	114.2
September	115.8
October	156.9
November	140.8
December	126.6
TOTAL	**1492.50**

4.0 HAZARDOUS WASTE AND WASTE OIL DISPOSAL

The movement of hazardous waste outside of Nunavut is regulated under both the *Transportation of Dangerous Goods Regulations* (TDG) and the *Cross-border Movement of Hazardous Waste and Hazardous Recyclable Material Regulations* (XBR).

Hazardous waste, including waste oil, from CAM-M were sent to an approved hazardous waste disposal facility outside of Nunavut as required by the licence. The hazardous waste was shipped to Qikiqtaaluk Environmental.

See Table 4-1 for the list of items sent for disposal.

See Annex A for the completed movement documents for waste regulated under the XBR.

The hazardous waste shipped from CAM-M in 2025 consisted of **32 drums of various hazardous waste** (waste oil, waste oil filters, etc.).

Table 4-1: Hazardous Waste and Waste Oil Sent for Disposal from CAM-M in 2025

TDG shipping name	Description	Nasittuq Manifest # (TCN)	Movement Document	Quantity
Not Regulated	Waste Activated Carbon Filter Not Regulated	51369, 51371, 51376, 51378	2539193-9	10 Drums
Not Regulated	Waste oil filters Not TDG regulated	51372, 51373	2539193-9	4 Drums
Not Regulated	Waste oil Not TDG regulated	51368, 51369, 51370, 50023	2539193-9	14 Drums
Waste Solids Containing Flammable Liquid, N.O.S. (Fuel, Aviation, Turbine Engine)	Waste oily rags Waste solids containing flammable liquids, n.o.s (fuel, aviation, turbine engine)	51374, 51375	2539193-9	4 Drums

5.0 NON-HAZARDOUS SOLID WASTE DISPOSAL

Non-hazardous domestic solid waste was disposed of at the local landfill through a contract with the Municipality of Cambridge Bay. Nasittuq has documented authorization from the community for receiving the waste. See Table 5-1, below, for the quantity of non-hazardous waste generated.

Table 5-1: Non-hazardous Domestic Solid Waste Sent for Disposal from CAM-M in 2025

Month	Waste Generated (kg)
January	1285
February	770
March	1277
April	1551
May	1250
June	1282
July	1649
August	1510
September	1089
October	1444
November	1140
December	1132
TOTAL	**15,379**

6.0 MONITORING PROGRAM

In 2025, a monitoring program was implemented at CAM-M as required by the water licence. The monitoring program included the following:

1. Volume of raw water drawn from the water Supply Lake (CDL-1). The information from this monitoring is shown in **Section 2.0 Water Use**.
2. Quality of sewage discharged from the final discharge point of the sewage treatment facility (CDL-2). The location of the sewage effluent outfall is shown in **Annex B,** including coordinates. The treated sewage was sampled monthly. The results of the analyses are shown in **Annex C**.
3. Prior to discharge, water contained in the berms of the fuel storage facilities (CDL-3) was assessed using hydrocarbon test strips. The test strips confirmed the water was within the effluent quality limits listed in the water licence, Part D. The coordinates and the photo log of the test strips after analysis are shown in **Annex D**
4. No landfarm has been built on-site, therefore, no samples were required at the final discharge point from the landfarm (CDL-4).

7.0 SPILLS (UNAUTHORIZED DISCHARGES)

There were no spills to the environment in 2025.

8.0 REVISIONS TO THE SPILL CONTINGENCY PLAN

The Spill Contingency Plan was updated on **27-Mar-2026**. An updated copy of the Spill Contingency Plan has been submitted to the NWB with this annual report.

9.0 PROGRESSIVE RECLAMATION WORK UNDERTAKEN

No reclamation work was undertaken.

10.0 ACRONYMS

Table 10-1: Acronyms

Acronym	Definition
CWS for PHC	Canada-Wide Standards for Petroleum Hydrocarbons (PHC) in Soil
CCME	Canadian Council of Ministers of the Environment
m^3	Cubic metre
n.o.s.	Not Otherwise Specified
NWB	Nunavut Water Board
NWS	North Warning System
O&M	Operations and Maintenance
PHC	Petroleum Hydrocarbons
PID	Photo Ionizing Detector
POL	Petroleum, Oil & Lubricant
SQG	Soil Quality Guidelines

Acronym	Definition
TDGR	Transportation of Dangerous Goods Regulations
XBR	Cross-border Movement of Hazardous Waste and Hazardous Recyclable Material Regulations

ANNEX A. HAZARDOUS WASTE AND WASTE OIL DISPOSAL

The 2025 Movement Document for TDG Regulated waste and non-TDG Regulated waste (as previously described in Table 4-1) are included in the following pages.

The following documents are enclosed:

1. Movement Document 2539193-9

MOVEMENT DOCUMENT / MANIFEST
DOCUMENT DE MOUVEMENT / MANIFESTE

2539193-9

Movement Document / Manifest Reference No.
N° de référence du document de mouvement / manifeste

A Generator / consignor name / Nom de producteur / expéditeur — Unique Identification Number / Numéro d'identification unique: NUG100003 — 1

NASITTUQ CORP

Mailing addr. / Adr. postale	City / Ville	Prov.	Country / Pays	Postal code / Code postal
22 WING BLDG 109	HORNELL HEIGHTS		CAN	P0H1P0

E-mail / Courrier électronique: NWS-ENVIRONMENT@NASITTUQ.COM — Tel. No. / N° de tél: 705-494-2011 X 3400

Shipping facility company name / Nom de l'entreprise du installation de l'envoi: NWS CAM-M — Unique Identification Number / Numéro d'identification unique — 40

Shipping facility addr. / Adr. de l'installation d'envoi	City / Ville	Prov.	Country / Pays	Postal code / Code postal
CAMBRIDGE BAY, NU		NU	CAN	X0A0K0

E-mail / Courrier électronique — Tel. No. / N° de tél

Intended receiver / consignee name / Nom de réceptionnaire / destinataire prévu: QIKIQTAALUK ENVIRONMENTAL — Unique Identification Number / Numéro d'identification unique: 7610-16-01-0348154 401694006 — 2

Mailing addr. / Adr. postale	City / Ville	Prov.	Country / Pays	Postal code / Code postal
9935 CHEATEAUNEUF ENTRANCE 1 SUITE 200	BROSSARD	QC	CAN	J4Z 3V4

E-mail / Courrier électronique — Tel. No. / N° de tél

Receiving facility company name / Nom de l'entreprise du installation de réception — Unique Identification Number / Numéro d'identification unique — 41

Receiving facility addr. / Adr. de l'installation de réception	City / Ville	Prov.	Country / Pays	Postal code / Code postal
		QC		

E-mail / Courrier électronique — Tel. No. / N° de tél

B Carrier name / Nom de transporteur — Unique Identification Number / Numéro d'identification unique — 23

Mailing addr. / Adr. postale	City / Ville	Prov.	Country / Pays	Postal code / Code postal

E-mail / Courrier électronique — Tel. No. / N° de tél

Vehicle / Véhicule	Registration No. / N° d'immatriculation	Prov. 24
Trailer - Rail car No. 1 / 1e remorque - wagon		
Trailer - Rail car No. 2 / 2e remorque - wagon		

Port of entry / Point d'entrée		Port of exit / Point de sortie	25
Date		Date	

Carrier Certification: *I certify that I have received waste or recyclable material from the generator/consignor for delivery to the receiver/consignee as set out in Part A and that the information contained in Part B is complete and correct.* — 26
Attestation du transporteur : *J'atteste avoir reçu les déchets ou matières recyclables du producteur/expéditeur en vue de leur livraison au réceptionnaire/destinataire, tels qu'ils figurent à la partie A et que les renseignements inscrits à la partie B sont exacts et complets.*

Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie) — Tel. No. / N° de tél

Year / Année | Month / Mois | Day / Jour | Signature

Reference Nos. of other movement documents/manifests used / N° de référence des autres documents de mouvement/manifestes utilisés — 27

Receiver/consignee information same as In Part A / Les renseignements du réceptionnaire/destinataire sont les mêmes qu'à la Partie A

☐ Yes / Oui ☐ No, complete the box below / Non, remplir la case ci-dessous

C Receiver/consignee name / Nom de réceptionnaire/destinataire — Unique Identification Number / Numéro d'identification unique — 28

Receiving facility addr. / Adr. de l'installation de réception	City / Ville	Prov.	Country / Pays	Postal code / Code postal

E-mail / Courrier électronique — Tel. No. / N° de tél

Delivery date / Date de livraison — 29

Year / Année | Month / Mois | Day / Jour | Time / Heure : | ☐ A.M. ☐ P.M.

If handling code "Other" (specify) / Si code de manutention « autre » (spécifier) — 36

3 Prov. code / Code prov.	6 UN No. / N° NU	4 Shipping name / Appellation réglementaire	5 Class / Classe Sub. Class(es) / Classe(s) sub.	7 Packing/category / Gr. d'emballage/ categorie	30 Toxic by inhalation / Toxique par inhalation	8 Quantity shipped / Quantité expédiée	Units / L or / ou kg / Unités	9 Packaging / Contenant No. / N°	Codes int.- ext.	10 Phys. state / État phys.
(i)		WASTE - ACTIVATED CARBON FILTER- NR				2260	kg	10	01	S
(ii)		WASTE - OIL FILTERS - NR				303	kg	4	01	S
(iii)		WASTE OILY RAGS - NR				329	kg	4	01	S
(iv)		WASTE OIL - NR				3312	L	12	01	L

31 Quantity received / Quantité reçue	Units / L or / ou kg / Unités	32 Comments / Commentaires	33 Handling Code / Code de manutention	34 Shipment / Envoi Accepted / Accepté	Refused / Refusé	35 Decont. Pack. / Cont.	Veh. / Véh.

11 Permit No. / N° de permis	Permit Line No. / N° de ligne de la permis	12 Shipment / Envoi	Of / De	13 D or R code / Code D ou R	14 C code / Code C	15 Basel Annex VIII or OECD Code / Annexe VIII de Bâle ou Code OCDE	16 H code / Code H	17 Y code / Code Y	18 National code in country of / Code national du pays d' Export / Exportation	Import / Importation	19 Customs codes / Codes de douanes
(i)											
(ii)											
(iii)											
(iv)											

Note:Waste oil amended to 14 drums

Receiver/consignee certification: *I certify that the information contained in Part C is correct and complete.* — Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie) — 37
Attestation du réceptionnaire/destinataire : *J'atteste que tous les renseignements à la partie C sont exacts et complets.*

Signature — Tel. No. / N° de tél

TDGR additional info / Info additionnelle RTMD: 1-888-CAN-UTEC OR 613-996-6666 — 38

Special Handling / Manutention spéciale — 22: ☐ Attached / Ci-joint ☐ As follows / Ci-contre:

24-Hour Number / Numéro 24 heures — 39: 705-494-2011 X3400

Generator/consignor certification: *I certify that the information contained in Part A is correct and complete. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.*
Attestation du producteur/expéditeur : *J'atteste que tous les renseignements à la partie A sont exacts et complets. Je déclare que le contenu de ce chargement est décrit ci - dessus de façon complète et exacte par la désignation officielle de transport et qu'il est convenablement classé, emballé, marqué, étiqueté, muni de plaques-étiquettes et à tous égards bien conditionné pour être transporté conformément aux réglementations internationales et nationales applicables.*

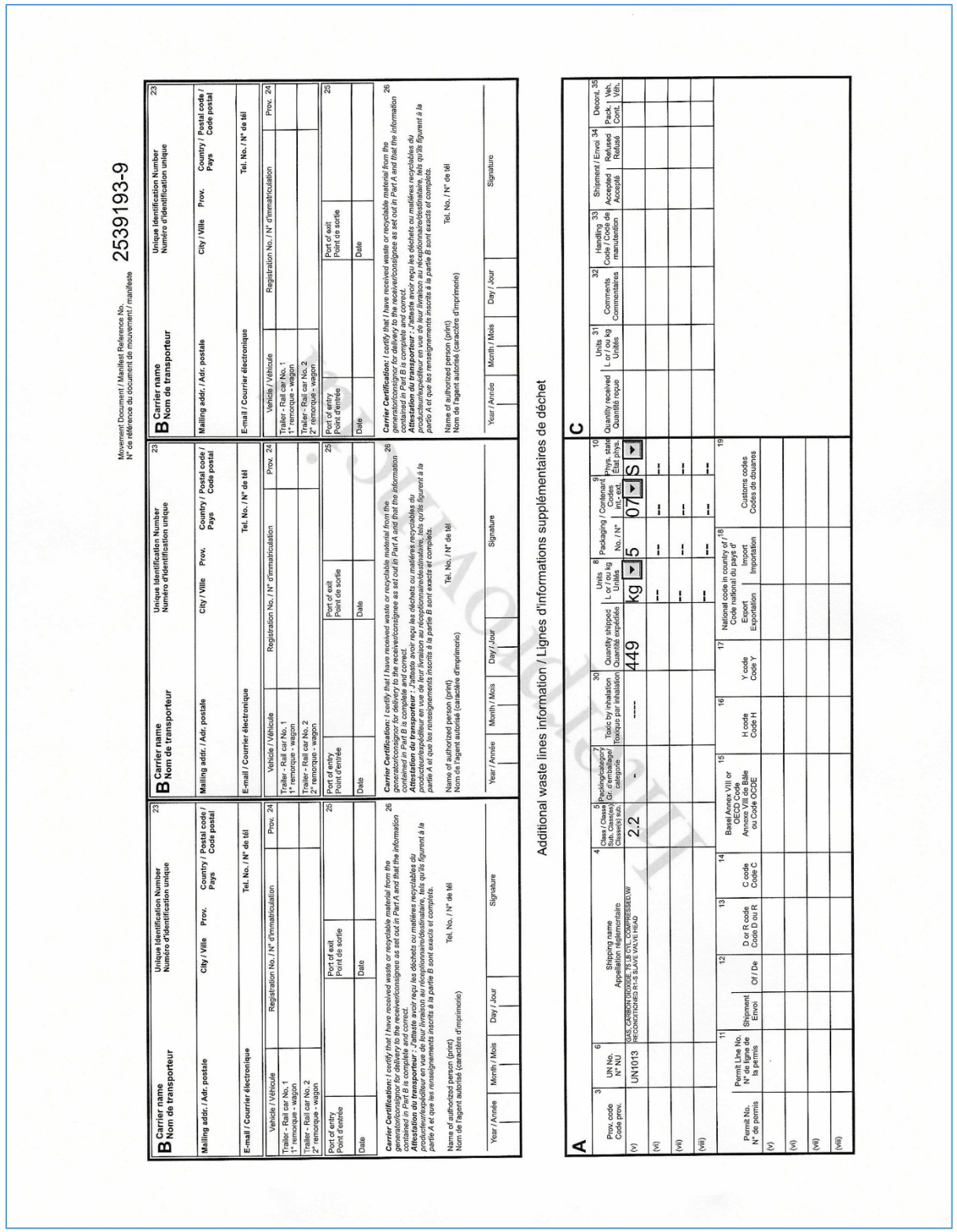
Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie) — Tel. No. / N° de tél — 20: 705-494-2011x3400

Signature

Date Shipped / Date d'expédition — Time / Heure — 21: Year / Année 25 | Month / Mois 09 | Day / Jour 07 | ☐ A.M. ☐ P.M. :

Scheduled arrival date / Date d'arrivée prévue: Year / Année | Month / Mois | Day / Jour

ECCC XBR v1.1 (2022/08) **Additional carriers and waste lines on reverse / Transporteurs et lignes de déchets additionnels au verso** Copy / Copie___ / Colour / Couleur_____



Note – The NEAS ship captain accidentally signed in the receiver section. Movement Document to be sent to NEAS for revision.

ANNEX B. TREATED SEWAGE EFFLUENT OUTFALL (CDL-2) LOCATION WITH COORDINATES

Figure 1: Coordinates of sewage treatment outfall: 69°07'03.2"N, 105°07'11.3"W

ANNEX C. ANALYSIS OF TREATED SEWAGE EFFLUENT

Table C-1: Summary of Analysis of Treated Sewage Effluent at CAM-M in 2025

Sample Date	Parameter				
	pH	Oil and Grease (Present - P / Absent - A)	Biological Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)	Faecal Coliforms[1]
Maximum Concentration	6.0 to 9.0 (pH units)	No visible sheen	120 mg/L	180 mg/L	10,000 CFU/100 mL
8-Jan-25	7.64	A	2.2	5.7	66.7
10-Feb-25	7.64	A	<2.0	6.2	102.0
4-Mar-25	7.6	A	<15.0	6.4	20.0
3-Apr-25	7.72	A	<2.0	13.2	37.7
5-May-25	7.92	A	<2.0	3.6	5.3
6-Jun-25	7.81	A	<3.0	4	127.3
9-Jul-25	7.91	A	<3.0	3.3	183.0
5-Aug-25	7.46	A	<6.0	<3.0	99.7
2-Sep-25	8.32	A	3	<3	68.0
7-Oct-25	7.96	A	<6.0	<3.0	52.3
4-Nov-25	8.14	A	<2.0	23.8	625.3
2-Dec-25	7.66	A	<2.0	<3.0	23.7

The following documents are enclosed:

1. ALS Certificate of Analysis Jan-25
2. ALS Certificate of Analysis Feb-25
3. ALS Certificate of Analysis Mar-25
4. ALS Certificate of Analysis Apr-25
5. ALS Certificate of Analysis May-25
6. ALS Certificate of Analysis Jun-25
7. ALS Certificate of Analysis Jul-25
8. ALS Certificate of Analysis Aug-25
9. ALS Certificate of Analysis Sep-25
10. ALS Certificate of Analysis Oct-25
11. ALS Certificate of Analysis Nov-25
12. ALS Certificate of Analysis Dec-25

[1] This column contains the average of the Cycle-let 1A, Cycle-let 1B, and Cycle-let 1C.

ALS Canada Ltd.

right solutions.
right partner.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	: **EO2500278**	Page	: 1 of 3
Client	: **NASITTUQ CORPORATION**	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton, Alberta Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 14-Jan-2025 09:35
PO	: ----	Date Analysis Commenced	: 14-Jan-2025
C-O-C number	: ----	Issue Date	: 20-Jan-2025 13:50
Sampler	: FA		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Cynthia Bauer	Organic Supervisor	Organics, Calgary, Alberta
Fahad Husain	Analyst	Inorganics, Edmonton, Alberta
Leah Yee	Lab Assistant	Inorganics, Edmonton, Alberta
Manpreet Kaur	Login	Microbiology, Edmonton, Alberta
Rosalie Van Deelen	Laboratory Assistant	Organics, Calgary, Alberta
Shruti Mudliar	Lab Analyst	Inorganics, Edmonton, Alberta

No Breaches Found

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.
Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key : LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
pH units	pH units

>: greater than.
<: less than.
Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).
For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Qualifiers

Qualifier	*Description*
MBHT	*The APHA 30 hour holding time was exceeded for microbiological testing. Samples processed within 48 hours from time of sampling may be valid in some cases (refer to Health Canada guidance).*

Analytical Results Evaluation

Matrix: **Water**

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	ML-Cycle-let Gen Chem and O&G	ML-Cycle-let Faecal A	ML-Cycle-let Faecal B	ML-Cycle-let Faecal C	----	----	----
				Sampling date/time	08-Jan-2025 08:30	08-Jan-2025 08:30	08-Jan-2025 08:30	08-Jan-2025 08:30	----	----	----
				Sub-Matrix	Water	Water	Water	Water	----	----	----
				EO2500278-001	EO2500278-002	EO2500278-003	EO2500278-004	--------	--------	--------	
Physical Tests											
pH	----	E108/EO	pH units	7.64	----	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/EO	mg/L	5.7	----	----	----	----	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	E010.FC/EO	MPN/100 mL	----	114 MBHT	32 MBHT	54 MBHT	----	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	E550/EO	mg/L	2.2	----	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/CG	mg/L	<5.0	----	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/CG	mg/L	<5.0	----	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/CG	mg/L	<5.0	----	----	----	----	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Key:

QUALITY CONTROL REPORT

Work Order	: **EO2500278**	Page	: 1 of 4
Client	: NASITTUQ CORPORATION	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton, Alberta Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 14-Jan-2025 09:35
PO	: ----	Date Analysis Commenced	: 14-Jan-2025
C-O-C number	: ----	Issue Date	: 20-Jan-2025 13:50
Sampler	: FA		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Cynthia Bauer	Organic Supervisor	Calgary Organics, Calgary, Alberta
Fahad Husain	Analyst	Edmonton Inorganics, Edmonton, Alberta
Leah Yee	Lab Assistant	Edmonton Inorganics, Edmonton, Alberta
Manpreet Kaur	Login	Edmonton Microbiology, Edmonton, Alberta
Rosalie Van Deelen	Laboratory Assistant	Calgary Organics, Calgary, Alberta
Shruti Mudliar	Lab Analyst	Edmonton Inorganics, Edmonton, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 1838959)											
EO2500231-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	61.7	60.3	2.30%	20%	----
Physical Tests (QC Lot: 1839258)											
EO2500285-008	Anonymous	pH	----	E108	0.10	pH units	7.64	7.63	0.131%	3%	----
Microbiological Tests (QC Lot: 1839140)											
EO2500256-002	Anonymous	Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	<1	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 1838959)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests (QCLot: 1839140)						
Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	----
Aggregate Organics (QCLot: 1838598)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 1842655)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics (QCLot: 1842656)						
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	<5.0	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 1838959)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	98.6	85.0	115	----
Physical Tests (QCLot: 1839258)									
pH	----	E108	----	pH units	6 pH units	101	97.0	103	----
Aggregate Organics (QCLot: 1838598)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	104	85.0	115	----
Aggregate Organics (QCLot: 1842655)									
Oil & grease (gravimetric)	----	E567	5	mg/L	100 mg/L	93.6	70.0	130	----
Aggregate Organics (QCLot: 1842656)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	50 mg/L	73.9	70.0	130	----

ALS Canada Ltd.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **EO2500278**	Page	: 1 of 6
Client	: **NASITTUQ CORPORATION**	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton, Alberta Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 14-Jan-2025 09:35
PO	: ----	Issue Date	: 20-Jan-2025 13:50
C-O-C number	: ----		
Sampler	: FA		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- Quality Control Sample Frequency Outliers occur - please see following pages for full details.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Aggregate Organics : Biochemical Oxygen Demand - 5 day										
HDPE ML-Cycle-let Gen Chem and O&G	E550	08-Jan-2025	----	----	----		14-Jan-2025	3 days	6 days	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) ML-Cycle-let Gen Chem and O&G	E567SG	08-Jan-2025	17-Jan-2025	28 days	9 days	✓	20-Jan-2025	28 days	12 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) ML-Cycle-let Gen Chem and O&G	E567	08-Jan-2025	17-Jan-2025	28 days	9 days	✓	17-Jan-2025	28 days	9 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (Sodium thiosulphate) ML-Cycle-let Faecal A	E010.FC	08-Jan-2025	----	----	----		14-Jan-2025	30 hrs	151 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (Sodium thiosulphate) ML-Cycle-let Faecal B	E010.FC	08-Jan-2025	----	----	----		14-Jan-2025	30 hrs	151 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (Sodium thiosulphate) ML-Cycle-let Faecal C	E010.FC	08-Jan-2025	----	----	----		14-Jan-2025	30 hrs	151 hrs	× EHTR
Physical Tests : pH by Meter										
HDPE ML-Cycle-let Gen Chem and O&G	E108	08-Jan-2025	14-Jan-2025	0.25 hrs	152 hrs	× EHTR-FM	14-Jan-2025	0.25 hrs	152 hrs	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : TSS by Gravimetry										
HDPE										
ML-Cycle-let Gen Chem and O&G	E160	08-Jan-2025	----	----	----		15-Jan-2025	7 days	7 days	✓

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: ✗ = *QC frequency outside specification*; ✓ = *QC frequency within specification.*

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Biochemical Oxygen Demand - 5 day	E550	1838598	0	14	0.0	5.0	✗
pH by Meter	E108	1839258	1	20	5.0	5.0	✓
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	1839140	1	17	5.8	5.0	✓
TSS by Gravimetry	E160	1838959	1	20	5.0	5.0	✓
Laboratory Control Samples (LCS)							
Biochemical Oxygen Demand - 5 day	E550	1838598	1	14	7.1	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1842656	1	9	11.1	5.0	✓
Oil & Grease by Gravimetry	E567	1842655	1	11	9.0	5.0	✓
pH by Meter	E108	1839258	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	1838959	1	20	5.0	5.0	✓
Method Blanks (MB)							
Biochemical Oxygen Demand - 5 day	E550	1838598	1	14	7.1	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1842656	1	9	11.1	5.0	✓
Oil & Grease by Gravimetry	E567	1842655	1	11	9.0	5.0	✓
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	1839140	1	17	5.8	5.0	✓
TSS by Gravimetry	E160	1838959	1	20	5.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC ALS Environmental - Edmonton	Water	APHA 9223 (mod)	The enzyme substrate test detects Thermotolerant Coliforms in a 100 mL sample after an 18 hour incubation at 44.5 ±0.2°C.
pH by Meter	E108 ALS Environmental - Edmonton	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
TSS by Gravimetry	E160 ALS Environmental - Edmonton	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.
Biochemical Oxygen Demand - 5 day	E550 ALS Environmental - Edmonton	Water	APHA 5210 B (mod)	Samples are diluted and incubated for a specified time period, after which the oxygen depletion is measured using a dissolved oxygen meter. Free chlorine is a negative interference in the BOD method; please advise ALS when free chlorine is present in samples.
Oil & Grease by Gravimetry	E567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane and the extract is evaporated to dryness. The residue is then weighed to determine Oil and Grease.
Mineral Oil & Grease by Gravimetry	E567SG ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane, followed by silica gel treatment after which the extract is evaporated to dryness. The residue is then weighed to determine Mineral Oil and Grease.
Animal & Vegetable Oil & Grease by Gravimetry	EC567A.SG ALS Environmental - Calgary	Water	APHA 5520 (mod)	Animal & vegetable oil and grease is calculated as follows: Oil & Grease (gravimetric) minus Mineral Oil & Grease (gravimetric)

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Oil & Grease Extraction for Gravimetry	EP567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 14 -

Page ____ of ____

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Nasittuq Corp	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Alaina Leslie	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	275 Slater St Ottawa ON K1P 5H9	☑ Criteria on Report - provide details below if box checked Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
Phone:	613-223-0629	Email 1 or Fax alaina.leslie@nasittuq.com	Specify Date Required for E2,E or P:
		Email 2 labresults@nasittuq.com	

Invoice To	Same as Report To ☐ Yes ☐ No	Invoice Distribution	Analysis Request
	Copy of Invoice with Report ☐ Yes ☐ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
Company:		Email 1 or Fax labresults@nasittuq.com	
Contact:		Email 2 naccounting@nasittuq.com	

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q89840	Approver ID:	Cost Center:
Job #:	NWS Sewage CAM-M	GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only): EO2500278 | ALS Contact: E. Dobbin | Sampler: F. AYLWARD

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	BOD, pH, TSS	O&G	Faecal Coliforms			Number of Containers
	ML-Cycle-let Gen Chem and O&G	*8-JAN-25	8:30 AM	Effluent	R	R				3
	ML-Cycle-let Faecal A	*8-JAN-25	8:30 AM	Effluent			R			1
	ML-Cycle-let Faecal B	*8-JAN-25	8:30 AM	Effluent			R			1
	ML-Cycle-let Faecal C	*8-JAN-25	8:30 AM	Effluent			R			1

Environmental Division
Edmonton
Work Order Reference
EO2500278

Telephone : +1 780 413 5227

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? ☐ Yes ☑ No Are samples for human drinking water use? ☐ Yes ☑ No	Please apply NWS Sewage Limits Threshold

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐	SIF Observations Yes ☐ No ☐
Ice packs Yes ☒ No ☐	Custody seal intact Yes ☐ No ☐
Cooling Initiated ☐	

INITIAL COOLER TEMPERATURES °C	FINAL COOLER TEMPERATURES °C
1.0	

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: *	Date:	Time:	Received by: MK	Date: 14/1/2025	Time: 9:35	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FM-0326e v09 Front/04 January 2014

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Canada Ltd.

right solutions.
right partner.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**EO2501157**			
Client	:	**NASITTUQ CORPORATION**	Laboratory	:	ALS Environmental - Edmonton
Contact	:	Alaina Leslie	Account Manager	:	Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	:	9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	:	613 223 0629	Telephone	:	7804136472
Project	:	NWS Sewage CAM-M	Date Samples Received	:	15-Feb-2025 09:20
PO	:	----	Date Analysis Commenced	:	15-Feb-2025
C-O-C number	:	----	Issue Date	:	29-Apr-2025 14:12
Sampler	:	FA			
Site	:	----			
Quote number	:	NWS Sewage testing			
No. of samples received	:	4			
No. of samples analysed	:	4			

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Brooke Miller	Laboratory Analyst	Inorganics, Edmonton, Alberta
Cynthia Bauer	Organic Supervisor	Organics, Calgary, Alberta
Leah Yee	Lab Assistant	Inorganics, Edmonton, Alberta
Manpreet Kaur	Login	Microbiology, Edmonton, Alberta
Michelle Schroder	Laboratory Analyst	Inorganics, Edmonton, Alberta
Rosalie Van Deelen	Laboratory Assistant	Organics, Calgary, Alberta
Victoria Piguing	Laboratory Analyst	Organics, Calgary, Alberta

No Breaches Found

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key: LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
pH units	pH units

>: greater than.
<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).
For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Qualifiers

Qualifier	Description
MBHT	The APHA 30 hour holding time was exceeded for microbiological testing. Samples processed within 48 hours from time of sampling may be valid in some cases (refer to Health Canada guidance).

Analytical Results Evaluation

Matrix: Water			Client sample ID	ML-Main -Cycle-let Gen Chem and O&G	ML-Main -Cycle-let Faecal A	ML-Main -Cycle-let Faecal B	ML-Main -Cycle-let Faecal C	----	----	----
			Client sampling date / time	10-Feb-2025 09:00	10-Feb-2025 09:00	10-Feb-2025 09:00	10-Feb-2025 09:00	----	----	----
			Sub-Matrix	Water	Water	Water	Water	----	----	----
Analyte	*CAS Number*	*Method/Lab*	*Unit*	**EO2501157-001**	**EO2501157-002**	**EO2501157-003**	**EO2501157-004**	**----**	**----**	**----**
				Result	Result	Result	Result	----	----	----
Physical Tests										
pH	----	E108/EO	pH units	7.64	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/EO	mg/L	6.2	----	----	----	----	----	----
Microbiological Tests										
Coliforms, thermotolerant [fecal]	----	E010.FC/EO	MPN/100mL	----	81 MBHT	120 MBHT	105 MBHT	----	----	----
Aggregate Organics										
Biochemical oxygen demand [BOD]	----	E550/EO	mg/L	<2.0	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/CG	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/CG	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/CG	mg/L	<5.0	----	----	----	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Summary of Guideline Limits

ALS Canada Ltd.

QUALITY CONTROL REPORT

Work Order	: **EO2501157**	Page	: 1 of 4
Client	: NASITTUQ CORPORATION	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton, Alberta Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 15-Feb-2025 09:20
PO	: ----	Date Analysis Commenced	: 15-Feb-2025
C-O-C number	: ----	Issue Date	: 29-Apr-2025 14:12
Sampler	: FA		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Brooke Miller	Laboratory Analyst	Edmonton Inorganics, Edmonton, Alberta
Cynthia Bauer	Organic Supervisor	Calgary Organics, Calgary, Alberta
Leah Yee	Lab Assistant	Edmonton Inorganics, Edmonton, Alberta
Manpreet Kaur	Login	Edmonton Microbiology, Edmonton, Alberta
Michelle Schroder	Laboratory Analyst	Edmonton Inorganics, Edmonton, Alberta
Rosalie Van Deelen	Laboratory Assistant	Calgary Organics, Calgary, Alberta
Victoria Piguing	Laboratory Analyst	Calgary Organics, Calgary, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 1876054)											
EO2501128-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	19.4	18.8	0.6	Diff <2x LOR	----
Physical Tests (QC Lot: 1876255)											
EO2501166-002	Anonymous	pH	----	E108	0.10	pH units	7.89	7.89	0.00%	3%	----
Microbiological Tests (QC Lot: 1876167)											
EO2501157-002	ML-Main -Cycle-let Faecal A	Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	81	79	3.00%	65%	----
Aggregate Organics (QC Lot: 1875967)											
FC2500368-002	Anonymous	Biochemical oxygen demand [BOD]	----	E550	2.0	mg/L	193	188	2.3%	30%	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 1876054)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests (QCLot: 1876167)						
Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	----
Aggregate Organics (QCLot: 1875967)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 1884049)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics (QCLot: 1884050)						
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	<5.0	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 1876054)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	97.2	85.0	115	----
Physical Tests (QCLot: 1876255)									
pH	----	E108	----	pH units	6 pH units	101	97.0	103	----
Aggregate Organics (QCLot: 1875967)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	90.9	85.0	115	----
Aggregate Organics (QCLot: 1884049)									
Oil & grease (gravimetric)	----	E567	5	mg/L	100 mg/L	84.1	70.0	130	----
Aggregate Organics (QCLot: 1884050)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	50 mg/L	76.2	70.0	130	----

ALS Canada Ltd.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **EO2501157**	Page	: 1 of 6
Client	: **NASITTUQ CORPORATION**	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton, Alberta Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 15-Feb-2025 09:20
PO	: ----	Issue Date	: 29-Apr-2025 14:12
C-O-C number	: ----		
Sampler	: FA		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Aggregate Organics : Biochemical Oxygen Demand - 5 day										
HDPE [BOD HT 3d] ML-Main -Cycle-let Gen Chem and O&G	E550	10-Feb-2025	----	----	----		15-Feb-2025	3 days	5 days	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) ML-Main -Cycle-let Gen Chem and O&G	E567SG	10-Feb-2025	24-Feb-2025	28 days	14 days	✓	25-Feb-2025	28 days	14 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) ML-Main -Cycle-let Gen Chem and O&G	E567	10-Feb-2025	24-Feb-2025	28 days	14 days	✓	24-Feb-2025	28 days	14 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (Sodium thiosulphate) ML-Main -Cycle-let Faecal A	E010.FC	10-Feb-2025	----	----	----		15-Feb-2025	30 hrs	125 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (Sodium thiosulphate) ML-Main -Cycle-let Faecal B	E010.FC	10-Feb-2025	----	----	----		15-Feb-2025	30 hrs	125 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (Sodium thiosulphate) ML-Main -Cycle-let Faecal C	E010.FC	10-Feb-2025	----	----	----		15-Feb-2025	30 hrs	125 hrs	× EHTR
Physical Tests : pH by Meter										
HDPE ML-Main -Cycle-let Gen Chem and O&G	E108	10-Feb-2025	15-Feb-2025	0.25 hrs	127 hrs	× EHTR-FM	15-Feb-2025	0.25 hrs	127 hrs	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : TSS by Gravimetry										
HDPE										
ML-Main -Cycle-let Gen Chem and O&G	E160	10-Feb-2025	----	----	----		15-Feb-2025	7 days	5 days	✓

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = *QC frequency outside specification*; ✓ = *QC frequency within specification.*

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	1876167	1	3	33.3	5.0	✓
pH by Meter	E108	1876255	1	5	20.0	5.0	✓
TSS by Gravimetry	E160	1876054	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	1875967	1	11	9.0	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	1876255	1	5	20.0	5.0	✓
TSS by Gravimetry	E160	1876054	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	1875967	1	11	9.0	5.0	✓
Oil & Grease by Gravimetry	E567	1884049	1	12	8.3	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1884050	1	9	11.1	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	1876167	1	3	33.3	5.0	✓
TSS by Gravimetry	E160	1876054	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	1875967	1	11	9.0	5.0	✓
Oil & Grease by Gravimetry	E567	1884049	1	12	8.3	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1884050	1	9	11.1	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC ALS Environmental - Edmonton	Water	APHA 9223 (mod)	The enzyme substrate test detects Thermotolerant Coliforms in a 100 mL sample after an 18 hour incubation at 44.5 ±0.2°C.
pH by Meter	E108 ALS Environmental - Edmonton	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
TSS by Gravimetry	E160 ALS Environmental - Edmonton	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.
Biochemical Oxygen Demand - 5 day	E550 ALS Environmental - Edmonton	Water	APHA 5210 B (mod)	Samples are diluted and incubated for a specified time period, after which the oxygen depletion is measured using a dissolved oxygen meter. Free chlorine is a negative interference in the BOD method; please advise ALS when free chlorine is present in samples.
Oil & Grease by Gravimetry	E567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane and the extract is evaporated to dryness. The residue is then weighed to determine Oil and Grease.
Mineral Oil & Grease by Gravimetry	E567SG ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane, followed by silica gel treatment after which the extract is evaporated to dryness. The residue is then weighed to determine Mineral Oil and Grease.
Animal & Vegetable Oil & Grease by Gravimetry	EC567A.SG ALS Environmental - Calgary	Water	APHA 5520 (mod)	Animal & vegetable oil and grease is calculated as follows: Oil & Grease (gravimetric) minus Mineral Oil & Grease (gravimetric)

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Oil & Grease Extraction for Gravimetry	EP567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 14 -

Page ____ of ____

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Nasittuq Corp	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Alaina Leslie	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	275 Slater St Ottawa ON K1P 5H9	☑ Criteria on Report - provide details below if box checked Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
Phone:	613-223-0629	Email 1 or Fax alaina.leslie@nasittuq.com	E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
		Email 2 labresults@nasittuq.com	Specify Date Required for E2,E or P:

Invoice To	Same as Report To ☐ Yes ☐ No	Invoice Distribution	Analysis Request
	Copy of Invoice with Report ☐ Yes ☐ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
Company:		Email 1 or Fax labresults@nasittuq.com	
Contact:		Email 2 accounting@nasittuq.com	

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q89840	Approver ID:	Cost Center:
Job #:	NWS Sewage CAM-M	GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only)		ALS Contact: E. Dobbin	Sampler: F.Aylward

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	BOD, pH, TSS	O&G	Faecal Coliforms	Number of Containers
	ML-Main - Cycle-let Gen Chem and O&G	10-Feb-25	9.00 am	Effluent	R	R		4
	ML-Main - Cycle-let Faecal A	10-Feb-25	9.00 am	Effluent			R	1
	ML-Main - Cycle-let Faecal B	10-Feb-25	9.00 am	Effluent			R	1
	ML-Main - Cycle-let Faecal C	10-Feb-25	9.00 am	Effluent			R	1

Environmental Division
Edmonton
Work Order Reference
EO2501157

Telephone : +1 780 413 5227

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? ☐ Yes ☑ No Are samples for human drinking water use? ☐ Yes ☑ No	NWS Nunavut Water Board Licence Criteria

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐
Ice packs Yes ☒ No ☐ Custody seal intact Yes ☐ No ☐
Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
10.3					

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: *	Date:	Time:	Received by: MK	Date: 15/2/25	Time: 9:20	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FM-0329e v08 Front/04 January 2014

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

ALS Canada Ltd.

right solutions.
right partner.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**EO2501739**		
Client	:	**NASITTUQ CORPORATION**	Laboratory	: ALS Environmental - Edmonton
Contact	:	Alaina Leslie	Account Manager	: Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	:	613 223 0629	Telephone	: 7804136472
Project	:	NWS Sewage CAM-M	Date Samples Received	: 10-Mar-2025 09:00
PO	:	----	Date Analysis Commenced	: 10-Mar-2025
C-O-C number	:	----	Issue Date	: 29-Apr-2025 14:11
Sampler	:	----		
Site	:	----		
Quote number	:	NWS Sewage testing		
No. of samples received	:	4		
No. of samples analysed	:	4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Brooke Miller	Laboratory Analyst	Inorganics, Edmonton, Alberta
Cynthia Bauer	Organic Supervisor	Organics, Calgary, Alberta
Daniel Nguyen	Laboratory Analyst	Inorganics, Edmonton, Alberta
Ping Yeung	Team Leader - Inorganics	Inorganics, Edmonton, Alberta
Rosalie Van Deelen	Laboratory Assistant	Organics, Calgary, Alberta
Roseanne Drake	Lab Assistant	Microbiology, Edmonton, Alberta

No Breaches Found

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key: LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
pH units	pH units

>: greater than.
<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).
For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Sample Comments

Sample	*Client Id*	*Comment*
EO2501739-001	ML-Cycle-let Gen Chem and O&G	*Detection limit raised. Sample dilution did not achieve sufficient oxygen depletion, detection limit raised to maximum estimated BOD concentration*

Qualifiers

Qualifier	Description
RRR	Refer to report comments for issues regarding this analysis.

Analytical Results Evaluation

Matrix: Water			Client sample ID	ML-Cycle-let Gen Chem and O&G	ML-Cycle-let Faecal A	ML-Cycle-let Faecal B	ML-Cycle-let Faecal C	----	----	----
			Client sampling date / time	04-Mar-2025 00:00	04-Mar-2025 00:00	04-Mar-2025 00:00	04-Mar-2025 00:00	----	----	----
			Sub-Matrix	Water	Water	Water	Water	----	----	----
Analyte	CAS Number	Method/Lab	Unit	EO2501739-001	EO2501739-002	EO2501739-003	EO2501739-004	----	----	----
				Result	Result	Result	Result	----	----	----
Physical Tests										
pH	----	E108/EO	pH units	7.60	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/EO	mg/L	6.4	----	----	----	----	----	----
Microbiological Tests										
Coliforms, thermotolerant [fecal]	----	E010.FC/EO	MPN/100mL	----	15	12	33	----	----	----
Aggregate Organics										
Biochemical oxygen demand [BOD]	----	E550/EO	mg/L	<15.0 RRR	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/CG	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/CG	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/CG	mg/L	<5.0	----	----	----	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Summary of Guideline Limits

Analyte	CAS Number	Unit	NWS Sewage Limits						
Physical Tests									
pH	----	pH units	----	----	----	----	----	----	----
Solids, total suspended [TSS]		mg/L	----	----	----	----	----	----	----
Aggregate Organics									
Biochemical oxygen demand [BOD]		mg/L	**120 mg/L**	----	----	----	----	----	----
Oil & grease (gravimetric)		mg/L	----	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)		mg/L	----	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)		mg/L	----	----	----	----	----	----	----

ALS Canada Ltd.

QUALITY CONTROL REPORT

Work Order	: **EO2501739**	Page	: 1 of 4
Client	: NASITTUQ CORPORATION	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton, Alberta Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 10-Mar-2025 09:00
PO	: ----	Date Analysis Commenced	: 10-Mar-2025
C-O-C number	: ----	Issue Date	: 29-Apr-2025 14:12
Sampler	: ----		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Brooke Miller	Laboratory Analyst	Edmonton Inorganics, Edmonton, Alberta
Cynthia Bauer	Organic Supervisor	Calgary Organics, Calgary, Alberta
Daniel Nguyen	Laboratory Analyst	Edmonton Inorganics, Edmonton, Alberta
Ping Yeung	Team Leader - Inorganics	Edmonton Inorganics, Edmonton, Alberta
Rosalie Van Deelen	Laboratory Assistant	Calgary Organics, Calgary, Alberta
Roseanne Drake	Lab Assistant	Edmonton Microbiology, Edmonton, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 1902616)											
EO2501742-001	Anonymous	pH	----	E108	0.10	pH units	8.37	8.39	0.239%	3%	----
Physical Tests (QC Lot: 1903866)											
EO2501706-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	<3.0	<3.0	0	Diff <2x LOR	----
Microbiological Tests (QC Lot: 1903171)											
FC2500537-002	Anonymous	Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	<1	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 1903866)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests (QCLot: 1903171)						
Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	----
Aggregate Organics (QCLot: 1904483)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 1909285)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics (QCLot: 1909286)						
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	<5.0	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 1902616)									
pH	----	E108	----	pH units	6 pH units	102	97.0	103	----
Physical Tests (QCLot: 1903866)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	103	85.0	115	----
Aggregate Organics (QCLot: 1904483)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	90.9	85.0	115	----
Aggregate Organics (QCLot: 1909285)									
Oil & grease (gravimetric)	----	E567	5	mg/L	100 mg/L	109	70.0	130	----
Aggregate Organics (QCLot: 1909286)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	50 mg/L	74.1	70.0	130	----

ALS Canada Ltd.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **EO2501739**	Page	: 1 of 6
Client	: **NASITTUQ CORPORATION**	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton, Alberta Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 10-Mar-2025 09:00
PO	: ----	Issue Date	: 29-Apr-2025 14:12
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- Quality Control Sample Frequency Outliers occur - please see following pages for full details.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Aggregate Organics : Biochemical Oxygen Demand - 5 day										
HDPE ML-Cycle-let Gen Chem and O&G	E550	04-Mar-2025	----	----	----		11-Mar-2025	3 days	8 days	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) ML-Cycle-let Gen Chem and O&G	E567SG	04-Mar-2025	14-Mar-2025	28 days	10 days	✓	14-Mar-2025	28 days	10 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) ML-Cycle-let Gen Chem and O&G	E567	04-Mar-2025	14-Mar-2025	28 days	10 days	✓	14-Mar-2025	28 days	10 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (Sodium thiosulphate) ML-Cycle-let Faecal A	E010.FC	04-Mar-2025	----	----	----		10-Mar-2025	30 hrs	157 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (Sodium thiosulphate) ML-Cycle-let Faecal B	E010.FC	04-Mar-2025	----	----	----		10-Mar-2025	30 hrs	157 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (Sodium thiosulphate) ML-Cycle-let Faecal C	E010.FC	04-Mar-2025	----	----	----		10-Mar-2025	30 hrs	157 hrs	× EHTR
Physical Tests : pH by Meter										
HDPE ML-Cycle-let Gen Chem and O&G	E108	04-Mar-2025	10-Mar-2025	0.25 hrs	154 hrs	× EHTR-FM	10-Mar-2025	0.25 hrs	154 hrs	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : TSS by Gravimetry										
HDPE										
ML-Cycle-let Gen Chem and O&G	E160	04-Mar-2025	----	----	----		12-Mar-2025	7 days	8 days	× EHT

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

EHT: Exceeded ALS recommended hold time prior to analysis.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: ✗ = *QC frequency outside specification*; ✓ = *QC frequency within specification.*

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	1903171	1	6	16.6	5.0	✓
pH by Meter	E108	1902616	1	8	12.5	5.0	✓
TSS by Gravimetry	E160	1903866	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	1904483	0	13	0.0	5.0	✗
Laboratory Control Samples (LCS)							
pH by Meter	E108	1902616	1	8	12.5	5.0	✓
TSS by Gravimetry	E160	1903866	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	1904483	1	13	7.6	5.0	✓
Oil & Grease by Gravimetry	E567	1909285	1	13	7.6	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1909286	1	7	14.2	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	1903171	1	6	16.6	5.0	✓
TSS by Gravimetry	E160	1903866	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	1904483	1	13	7.6	5.0	✓
Oil & Grease by Gravimetry	E567	1909285	1	13	7.6	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1909286	1	7	14.2	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC ALS Environmental - Edmonton	Water	APHA 9223 (mod)	The enzyme substrate test detects Thermotolerant Coliforms in a 100 mL sample after an 18 hour incubation at 44.5 ±0.2°C.
pH by Meter	E108 ALS Environmental - Edmonton	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
TSS by Gravimetry	E160 ALS Environmental - Edmonton	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.
Biochemical Oxygen Demand - 5 day	E550 ALS Environmental - Edmonton	Water	APHA 5210 B (mod)	Samples are diluted and incubated for a specified time period, after which the oxygen depletion is measured using a dissolved oxygen meter. Free chlorine is a negative interference in the BOD method; please advise ALS when free chlorine is present in samples.
Oil & Grease by Gravimetry	E567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane and the extract is evaporated to dryness. The residue is then weighed to determine Oil and Grease.
Mineral Oil & Grease by Gravimetry	E567SG ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane, followed by silica gel treatment after which the extract is evaporated to dryness. The residue is then weighed to determine Mineral Oil and Grease.
Animal & Vegetable Oil & Grease by Gravimetry	EC567A.SG ALS Environmental - Calgary	Water	APHA 5520 (mod)	Animal & vegetable oil and grease is calculated as follows: Oil & Grease (gravimetric) minus Mineral Oil & Grease (gravimetric)

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Oil & Grease Extraction for Gravimetry	EP567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 14 -

Page ____ of ____

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Nasittuq Corp	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm
Contact:	Alaina Leslie	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm)
Address:	275 Slater St Ottawa ON K1P 5H9	☑ Criteria on Report - provide details below if box checked Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	E ☐ Emergency (1-2 bus. days if received by 3
Phone:	613-223-0629	Email 1 or Fax alaina.leslie@nasittuq.com	E2 ☐ Same day or weekend emergency - conta
		Email 2 labresults@nasittuq.com	Specify Date Required for E2,E or P:

Invoice To		Invoice Distribution
	Same as Report To ☐ Yes ☐ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
	Copy of Invoice with Report ☐ Yes ☐ No	Email 1 or Fax labresults@nasittuq.com
Company:		Email 2 naccounting@nasittuq.com
Contact:		

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q89840	Approver ID:	Cost Center:
Job #:	NWS Sewage CAM-M	GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only): E02501739 **ALS Contact:** E. Dobbin **Sampler:** *

Environmental Division
Edmonton
Work Order Reference
EO2501739

Telephone : +1 780 413 5227

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	BOD, pH, TSS	O&G	Faecal Coliforms	Number
	ML-Cycle-let Gen Chem and O&G	* 4 3 2025		Effluent	R	R		3
	ML-Cycle-let Faecal A	* 4 3 2025		Effluent			R	1
	ML-Cycle-let Faecal B	* 4 3 2025		Effluent			R	1
	ML-Cycle-let Faecal C	* 4 3 2025		Effluent			R	1

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ Yes ☑ No

Are samples for human drinking water use? ☐ Yes ☑ No

Special Instructions / Specify Criteria to add on report (client Use)

Please apply NWS Sewage Limits Threshold

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☑

Ice packs Yes ☑ No ☐ Custody seal intact Yes ☐ No ☑

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
13.1					

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: *	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:
[illegible]	4 3 2025	8:30AM	R	3/10/25	9AM			

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FM-0326a v09 Front/04 January 2014

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**EO2502598**			
Amendment	:	**1**			
Client	:	**NASITTUQ CORPORATION**	Laboratory	:	ALS Environmental - Edmonton
Contact	:	Alaina Leslie	Account Manager	:	Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	:	9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	:	613 223 0629	Telephone	:	7804136472
Project	:	NWS Sewage CAM-M	Date Samples Received	:	10-Apr-2025 09:10
PO	:	----	Date Analysis Commenced	:	10-Apr-2025
C-O-C number	:	----	Issue Date	:	04-Jun-2025 17:31
Sampler	:	FA			
Site	:	----			
Quote number	:	NWS Sewage testing			
No. of samples received	:	4			
No. of samples analysed	:	4			

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Alex Drake	Lab Analyst	Microbiology, Edmonton, Alberta
Brooke Miller	Laboratory Analyst	Inorganics, Edmonton, Alberta
Catherine Fong	Lab Analyst	Inorganics, Calgary, Alberta
Cynthia Bauer	Organic Supervisor	Organics, Calgary, Alberta
Leah Yee	Lab Assistant	Inorganics, Edmonton, Alberta
Rosalie Van Deelen	Laboratory Assistant	Organics, Calgary, Alberta
Stephanie Korol	Laboratory Assistant	Organics, Calgary, Alberta

No Breaches Found

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key: LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
pH units	pH units

>: greater than.
<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).
For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Workorder Comments

Amendment (04/06/2025): This report has been amended to allow the distribution of an Electronic Data Deliverable (EDD) not previously provided. All analysis results are as per the previous report.

Qualifiers

Qualifier	Description
MBHT	The APHA 30 hour holding time was exceeded for microbiological testing. Samples processed within 48 hours from time of sampling may be valid in some cases (refer to Health Canada guidance).

Analytical Results Evaluation

Matrix: Water			Client sample ID	ML-Main - Cycle-let Gen Chem and O&G	ML-Main - Cycle-let Faecal A	ML-Main - Cycle-let Faecal B	ML-Main - Cycle-let Faecal C	----	----	----
			Client sampling date / time	03-Apr-2025 09:00	03-Apr-2025 09:00	03-Apr-2025 09:00	03-Apr-2025 09:00	----	----	----
			Sub-Matrix	Water	Water	Water	Water	----	----	----
Analyte	*CAS Number*	*Method/Lab*	*Unit*	**EO2502598-001**	**EO2502598-002**	**EO2502598-003**	**EO2502598-004**	**----**	**----**	**----**
				Result	Result	Result	Result	----	----	----
Physical Tests										
pH	----	E108/EO	pH units	7.72	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/EO	mg/L	13.2	----	----	----	----	----	----
Microbiological Tests										
Coliforms, thermotolerant [fecal]	----	E010.FC/EO	MPN/100mL	----	29 MBHT	38 MBHT	46 MBHT	----	----	----
Aggregate Organics										
Biochemical oxygen demand [BOD]	----	E550/CG	mg/L	<2.0	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/CG	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/CG	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/CG	mg/L	<5.0	----	----	----	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Summary of Guideline Limits

Analyte	CAS Number	Unit	NWS Sewage Limits						
Physical Tests									
pH	----	pH units	**6 - 9 pH units**	----	----	----	----	----	----
Solids, total suspended [TSS]		mg/L	**180 mg/L**	----	----	----	----	----	----
Aggregate Organics									
Biochemical oxygen demand [BOD]		mg/L	**120 mg/L**	----	----	----	----	----	----
Oil & grease (gravimetric)		mg/L	**----**	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)		mg/L	**----**	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)		mg/L	**----**	----	----	----	----	----	----

ALS Canada Ltd.

QUALITY CONTROL REPORT

Work Order	: **EO2502598**	Page	: 1 of 4
Amendment	: **1**		
Client	: NASITTUQ CORPORATION	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton, Alberta Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 10-Apr-2025 09:10
PO	: ----	Date Analysis Commenced	: 10-Apr-2025
C-O-C number	: ----	Issue Date	: 04-Jun-2025 17:32
Sampler	: FA		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Alex Drake	Lab Analyst	Edmonton Microbiology, Edmonton, Alberta
Brooke Miller	Laboratory Analyst	Edmonton Inorganics, Edmonton, Alberta
Catherine Fong	Lab Analyst	Calgary Inorganics, Calgary, Alberta
Cynthia Bauer	Organic Supervisor	Calgary Organics, Calgary, Alberta
Leah Yee	Lab Assistant	Edmonton Inorganics, Edmonton, Alberta
Rosalie Van Deelen	Laboratory Assistant	Calgary Organics, Calgary, Alberta
Stephanie Korol	Laboratory Assistant	Calgary Organics, Calgary, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 1946455)											
EO2502611-001	Anonymous	pH	----	E108	0.10	pH units	7.71	7.74	0.388%	3%	----
Physical Tests (QC Lot: 1946465)											
EO2502579-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	5.4	4.2	1.2	Diff <2x LOR	----
Microbiological Tests (QC Lot: 1946756)											
GP2500717-001	Anonymous	Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	<1	0	Diff <2x LOR	----
Aggregate Organics (QC Lot: 1946999)											
GP2500710-001	Anonymous	Biochemical oxygen demand [BOD]	----	E550	2.0	mg/L	<2.0	<2.0	0.0%	30%	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 1946465)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests (QCLot: 1946756)						
Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	----
Aggregate Organics (QCLot: 1946999)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 1947348)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics (QCLot: 1947349)						
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	<5.0	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 1946455)									
pH	----	E108	----	pH units	6 pH units	102	97.0	103	----
Physical Tests (QCLot: 1946465)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	106	85.0	115	----
Aggregate Organics (QCLot: 1946999)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	99.6	85.0	115	----
Aggregate Organics (QCLot: 1947348)									
Oil & grease (gravimetric)	----	E567	5	mg/L	100 mg/L	118	70.0	130	----
Aggregate Organics (QCLot: 1947349)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	50 mg/L	98.4	70.0	130	----

ALS Canada Ltd.

right solutions. right partner.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **EO2502598**	Page	: 1 of 6
Amendment	: 1		
Client	: **NASITTUQ CORPORATION**	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton, Alberta Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 10-Apr-2025 09:10
PO	: ----	Issue Date	: 04-Jun-2025 17:34
C-O-C number	: ----		
Sampler	: FA		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Aggregate Organics : Biochemical Oxygen Demand - 5 day										
HDPE [BOD HT-48h] ML-Main - Cycle-let Gen Chem and O&G	E550	03-Apr-2025	----	----	----		10-Apr-2025	48 hrs	175 hrs	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) ML-Main - Cycle-let Gen Chem and O&G	E567SG	03-Apr-2025	11-Apr-2025	28 days	8 days	✓	11-Apr-2025	28 days	8 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) ML-Main - Cycle-let Gen Chem and O&G	E567	03-Apr-2025	11-Apr-2025	28 days	8 days	✓	11-Apr-2025	28 days	8 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (sodium thiosulfate) ML-Main - Cycle-let Faecal A	E010.FC	03-Apr-2025	----	----	----		10-Apr-2025	30 hrs	173 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (sodium thiosulfate) ML-Main - Cycle-let Faecal B	E010.FC	03-Apr-2025	----	----	----		10-Apr-2025	30 hrs	173 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (sodium thiosulfate) ML-Main - Cycle-let Faecal C	E010.FC	03-Apr-2025	----	----	----		10-Apr-2025	30 hrs	173 hrs	× EHTR
Physical Tests : pH by Meter										
HDPE ML-Main - Cycle-let Gen Chem and O&G	E108	03-Apr-2025	10-Apr-2025	0.25 hrs	172 hrs	× EHTR-FM	10-Apr-2025	0.25 hrs	172 hrs	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : TSS by Gravimetry										
HDPE										
ML-Main - Cycle-let Gen Chem and O&G	E160	03-Apr-2025	----	----	----		11-Apr-2025	7 days	8 days	× EHTL

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = *QC frequency outside specification*; ✓ = *QC frequency within specification.*

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	1946756	1	13	7.6	5.0	✓
pH by Meter	E108	1946455	1	8	12.5	5.0	✓
TSS by Gravimetry	E160	1946465	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	1946999	1	16	6.2	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	1946455	1	8	12.5	5.0	✓
TSS by Gravimetry	E160	1946465	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	1946999	1	16	6.2	5.0	✓
Oil & Grease by Gravimetry	E567	1947348	1	12	8.3	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1947349	1	2	50.0	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	1946756	1	13	7.6	5.0	✓
TSS by Gravimetry	E160	1946465	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	1946999	1	16	6.2	5.0	✓
Oil & Grease by Gravimetry	E567	1947348	1	12	8.3	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1947349	1	2	50.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC ALS Environmental - Edmonton	Water	APHA 9223 (mod)	The enzyme substrate test detects Thermotolerant Coliforms in a 100 mL sample after an 18 hour incubation at 44.5 ±0.2°C.
pH by Meter	E108 ALS Environmental - Edmonton	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
TSS by Gravimetry	E160 ALS Environmental - Edmonton	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.
Biochemical Oxygen Demand - 5 day	E550 ALS Environmental - Calgary	Water	APHA 5210 B (mod)	Samples are diluted and incubated for a specified time period, after which the oxygen depletion is measured using a dissolved oxygen meter. Free chlorine is a negative interference in the BOD method; please advise ALS when free chlorine is present in samples.
Oil & Grease by Gravimetry	E567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane and the extract is evaporated to dryness. The residue is then weighed to determine Oil and Grease.
Mineral Oil & Grease by Gravimetry	E567SG ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane, followed by silica gel treatment after which the extract is evaporated to dryness. The residue is then weighed to determine Mineral Oil and Grease.
Animal & Vegetable Oil & Grease by Gravimetry	EC567A.SG ALS Environmental - Calgary	Water	APHA 5520 (mod)	Animal & vegetable oil and grease is calculated as follows: Oil & Grease (gravimetric) minus Mineral Oil & Grease (gravimetric)

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Oil & Grease Extraction for Gravimetry	EP567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.

www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here
(lab use only)

COC Number: 14 -

Page ____ of ____

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Nasittuq Corp	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Alaina Leslie	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	275 Slater St Ottawa ON K1P 5H9	☑ Criteria on Report - provide details below if box checked Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
Phone:	613-223-0629	Email 1 or Fax alaina.leslie@nasittuq.com	Specify Date Required for E2,E or P:
		Email 2 labresults@nasittuq.com	

Invoice To	Same as Report To ☐ Yes ☐ No	Invoice Distribution	Analysis Request
	Copy of Invoice with Report ☐ Yes ☐ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
Company:		Email 1 or Fax labresults@nasittuq.com	
Contact:		Email 2 accounting@nasittuq.com	

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q89840	Approver ID:	Cost Center:
Job #:	NWS Sewage CAM-M	GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only): EO2502598 **ALS Contact:** E. Dobbin **Sampler:** F.Aylward

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	BOD, pH, TSS	O&G	Faecal Coliforms	Number of Containers
	ML-Main - Cycle-let Gen Chem and O&G	03-Apr-25	9.00 am	Effluent	R	R		4
	ML-Main - Cycle-let Faecal A	03-Apr-25	9.00 am	Effluent			R	1
	ML-Main - Cycle-let Faecal B	03-Apr-25	9.00 am	Effluent			R	1
	ML-Main - Cycle-let Faecal C	03-Apr-25	9.00 am	Effluent			R	1

Environmental Division
Edmonton
Work Order Reference
EO2502598

telephone : +1 780 413 5227

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? ☐ Yes ☑ No Are samples for human drinking water use? ☐ Yes ☑ No	NWS Nunavut Water Board Licence Criteria

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen	☐			SIF Observations	Yes ☐	No ☐	
Ice packs	Yes ☑	No ☐		Custody seal intact	Yes ☐	No ☑	
Cooling Initiated	☐						

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
11.0					

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: *	Date:	Time:	Received by: SA	Date: 10-APR-25	Time: 9:10	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION WHITE - LABORATORY COPY YELLOW - CLIENT COPY

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Canada Ltd.

right solutions.
right partner.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**EO2503501**			
Amendment	:	**1**			
Client	:	**NASITTUQ CORPORATION**	Laboratory	:	ALS Environmental - Edmonton
Contact	:	Alaina Leslie	Account Manager	:	Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	:	9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	:	613 223 0629	Telephone	:	7804136472
Project	:	NWS Sewage CAM-M	Date Samples Received	:	08-May-2025 09:05
PO	:	----	Date Analysis Commenced	:	08-May-2025
C-O-C number	:	----	Issue Date	:	04-Jun-2025 17:34
Sampler	:	FA			
Site	:	----			
Quote number	:	NWS Sewage testing			
No. of samples received	:	4			
No. of samples analysed	:	4			

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Brayden Ginther	Laboratory Analyst	Inorganics, Edmonton, Alberta
Brooke Miller	Laboratory Analyst	Inorganics, Edmonton, Alberta
Catherine Fong	Lab Analyst	Inorganics, Calgary, Alberta
Jing Liu	Laboratory Analyst	Microbiology, Edmonton, Alberta
Joshua Stessun	Laboratory Analyst	Organics, Calgary, Alberta
Stephanie Korol	Laboratory Assistant	Organics, Calgary, Alberta

No Breaches Found

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key: LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
pH units	pH units

>: greater than.
<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).
For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Workorder Comments

Amendment (04/06/2025) This report has b/e/en amended to allow the distribution of an Electronic Data Deliverable (EDD) not previously provided. All analysis results are as per the previous report.

Sample Comments

Sample	*Client Id*	*Comment*
EO2503501-001	ML-Main-Cycle-let Gen Chem and O&G	**Sample(s) XXX: Samples Received with temperature >10 °C**

Qualifiers

Qualifier	Description
MBHT	The APHA 30 hour holding time was exceeded for microbiological testing. Samples processed within 48 hours from time of sampling may be valid in some cases (refer to Health Canada guidance).

Analytical Results Evaluation

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	ML-Main-Cycle-let Gen Chem and O&G	ML-Main-Cycle-let Faecal A	ML-Main-Cycle-let Faecal B	ML-Main-Cycle-let Faecal C	----	----	----
				Client sampling date / time	05-May-2025 09:00	05-May-2025 09:00	05-May-2025 09:00	05-May-2025 09:00	----	----	----
				Sub-Matrix	Water	Water	Water	Water	----	----	----
					EO2503501-001	**EO2503501-002**	**EO2503501-003**	**EO2503501-004**	**----**	**----**	**----**
					Result	Result	Result	Result	----	----	----
Physical Tests											
pH	----	E108/EO	pH units		7.92	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/EO	mg/L		3.6	----	----	----	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	E010.FC/EO	MPN/100mL		----	4 MBHT	8 MBHT	4 MBHT	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	E550/CG	mg/L		<2.0	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/CG	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/CG	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/CG	mg/L		<5.0	----	----	----	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Summary of Guideline Limits

Analyte	CAS Number	Unit	NWS Sewage Limits						
Physical Tests									
pH	----	pH units	**6 - 9 pH units**	----	----	----	----	----	----
Solids, total suspended [TSS]		mg/L	**180 mg/L**	----	----	----	----	----	----
Aggregate Organics									
Biochemical oxygen demand [BOD]		mg/L	**120 mg/L**	----	----	----	----	----	----
Oil & grease (gravimetric)		mg/L	**----**	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)		mg/L	**----**	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)		mg/L	**----**	----	----	----	----	----	----

ALS Canada Ltd.

QUALITY CONTROL REPORT

Work Order	: **EO2503501**	Page	: 1 of 4
Amendment	: **1**		
Client	: NASITTUQ CORPORATION	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton, Alberta Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 08-May-2025 09:05
PO	: ----	Date Analysis Commenced	: 08-May-2025
C-O-C number	: ----	Issue Date	: 04-Jun-2025 17:31
Sampler	: FA		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Brayden Ginther	Laboratory Analyst	Edmonton Inorganics, Edmonton, Alberta
Brooke Miller	Laboratory Analyst	Edmonton Inorganics, Edmonton, Alberta
Catherine Fong	Lab Analyst	Calgary Inorganics, Calgary, Alberta
Jing Liu	Laboratory Analyst	Edmonton Microbiology, Edmonton, Alberta
Joshua Stessun	Laboratory Analyst	Calgary Organics, Calgary, Alberta
Stephanie Korol	Laboratory Assistant	Calgary Organics, Calgary, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 1986803)											
EO2503490-002	Anonymous	pH	----	E108	0.10	pH units	8.04	7.98	0.749%	3%	----
Physical Tests (QC Lot: 1989816)											
EO2503492-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	4.0	5.0	1.0	Diff <2x LOR	----
Microbiological Tests (QC Lot: 1987066)											
EO2503513-002	Anonymous	Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	<1	0	Diff <2x LOR	----
Aggregate Organics (QC Lot: 1987228)											
CG2505787-001	Anonymous	Biochemical oxygen demand [BOD]	----	E550	2.0	mg/L	<2.0	<2.0	0.0%	30%	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 1989816)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests (QCLot: 1987066)						
Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	----
Aggregate Organics (QCLot: 1987228)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 1988065)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics (QCLot: 1988066)						
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	<5.0	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 1986803)									
pH	----	E108	----	pH units	6 pH units	102	97.0	103	----
Physical Tests (QCLot: 1989816)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	103	85.0	115	----
Aggregate Organics (QCLot: 1987228)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	99.9	85.0	115	----
Aggregate Organics (QCLot: 1988065)									
Oil & grease (gravimetric)	----	E567	5	mg/L	100 mg/L	125	70.0	130	----
Aggregate Organics (QCLot: 1988066)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	50 mg/L	108	70.0	130	----

ALS Canada Ltd.

right solutions. right partner.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **EO2503501**	Page	: 1 of 6
Amendment	: 1		
Client	: **NASITTUQ CORPORATION**	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton, Alberta Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 08-May-2025 09:05
PO	: ----	Issue Date	: 04-Jun-2025 17:32
C-O-C number	: ----		
Sampler	: FA		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Aggregate Organics : Biochemical Oxygen Demand - 5 day										
HDPE [BOD HT-48h] ML-Main-Cycle-let Gen Chem and O&G	E550	05-May-2025	----	----	----		08-May-2025	48 hrs	79 hrs	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) ML-Main-Cycle-let Gen Chem and O&G	E567SG	05-May-2025	09-May-2025	28 days	4 days	✓	09-May-2025	28 days	4 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) ML-Main-Cycle-let Gen Chem and O&G	E567	05-May-2025	09-May-2025	28 days	4 days	✓	09-May-2025	28 days	4 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (sodium thiosulfate) ML-Main-Cycle-let Faecal A	E010.FC	05-May-2025	----	----	----		08-May-2025	30 hrs	78 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (sodium thiosulfate) ML-Main-Cycle-let Faecal B	E010.FC	05-May-2025	----	----	----		08-May-2025	30 hrs	78 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)										
Sterile HDPE (sodium thiosulfate) ML-Main-Cycle-let Faecal C	E010.FC	05-May-2025	----	----	----		08-May-2025	30 hrs	78 hrs	× EHTR
Physical Tests : pH by Meter										
HDPE ML-Main-Cycle-let Gen Chem and O&G	E108	05-May-2025	08-May-2025	0.25 hrs	79 hrs	× EHTR-FM	08-May-2025	0.25 hrs	79 hrs	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : TSS by Gravimetry										
HDPE										
ML-Main-Cycle-let Gen Chem and O&G	E160	05-May-2025	----	----	----		11-May-2025	7 days	6 days	✓

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = *QC frequency outside specification*; ✓ = *QC frequency within specification.*

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	1987066	1	16	6.2	5.0	✓
pH by Meter	E108	1986803	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	1989816	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	1987228	1	20	5.0	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	1986803	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	1989816	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	1987228	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	1988065	1	7	14.2	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1988066	1	7	14.2	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	1987066	1	16	6.2	5.0	✓
TSS by Gravimetry	E160	1989816	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	1987228	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	1988065	1	7	14.2	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1988066	1	7	14.2	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC ALS Environmental - Edmonton	Water	APHA 9223 (mod)	The enzyme substrate test detects Thermotolerant Coliforms in a 100 mL sample after an 18 hour incubation at 44.5 ±0.2°C.
pH by Meter	E108 ALS Environmental - Edmonton	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
TSS by Gravimetry	E160 ALS Environmental - Edmonton	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.
Biochemical Oxygen Demand - 5 day	E550 ALS Environmental - Calgary	Water	APHA 5210 B (mod)	Samples are diluted and incubated for a specified time period, after which the oxygen depletion is measured using a dissolved oxygen meter. Free chlorine is a negative interference in the BOD method; please advise ALS when free chlorine is present in samples.
Oil & Grease by Gravimetry	E567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane and the extract is evaporated to dryness. The residue is then weighed to determine Oil and Grease.
Mineral Oil & Grease by Gravimetry	E567SG ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane, followed by silica gel treatment after which the extract is evaporated to dryness. The residue is then weighed to determine Mineral Oil and Grease.
Animal & Vegetable Oil & Grease by Gravimetry	EC567A.SG ALS Environmental - Calgary	Water	APHA 5520 (mod)	Animal & vegetable oil and grease is calculated as follows: Oil & Grease (gravimetric) minus Mineral Oil & Grease (gravimetric)

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Oil & Grease Extraction for Gravimetry	EP567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 14 -

Page ____ of ____

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Nasittuq Corp	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Alaina Leslie	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	275 Slater St Ottawa ON K1P 5H9	☑ Criteria on Report - provide details below if box checked	E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
Phone:	613-223-0629	Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
		Email 1 or Fax alaina.leslie@nasittuq.com	Specify Date Required for E2,E or P:
		Email 2 labresults@nasittuq.com	

Invoice To	Same as Report To ☐ Yes ☐ No	Invoice Distribution
	Copy of Invoice with Report ☐ Yes ☐ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Company:		Email 1 or Fax labresults@nasittuq.com
Contact:		Email 2 accounting@nasittuq.com

Project Information	
ALS Quote #:	Q89840
Job #:	NWS Sewage CAM-M
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)	
Approver ID:	Cost Center:
GL Account:	Routing Code:
Activity Code:	
Location:	

ALS Lab Work Order # (lab use only): EO2503501

ALS Contact: E. Dobbin Sampler: F.Aylward

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	BOD, pH, TSS	O&G	Faecal Coliforms	Number of Containers
	ML-Main - Cycle-let Gen Chem and O&G	05-May-25	9.00 am	Effluent	R	R		4
	ML-Main - Cycle-let Faecal A	05-May-25	9.00 am	Effluent			R	1
	ML-Main - Cycle-let Faecal B	05-May-25	9.00 am	Effluent			R	1
	ML-Main - Cycle-let Faecal C	05-May-25	9.00 am	Effluent			R	1

Analysis Request — Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

Environmental Division
Edmonton
Work Order Reference
EO2503501

Telephone : +1 780 413 5227

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? ☐ Yes ☑ No	NWS Nunavut Water Board Licence Criteria
Are samples for human drinking water use? ☐ Yes ☑ No	

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen	☐	SIF Observations	Yes ☐	No ☐	
Ice packs	Yes ☒	No ☐	Custody seal intact	Yes ☐	No ☐
Cooling Initiated	☐				

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
16.2					

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: *	Date:	Time:	Received by: MK	Date: 8/5/25	Time: 9:05	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form.**

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

ALS Canada Ltd.

right solutions.
right partner.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**EO2504578**			
Client	:	**Nasittuq Corporation**	Laboratory	:	ALS Environmental - Edmonton
Contact	:	Alaina Leslie	Account Manager	:	Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	:	9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	:	613 223 0629	Telephone	:	7804136472
Project	:	NWS Sewage CAM-M	Date Samples Received	:	06-Jun-2025 09:00
PO	:	----	Date Analysis Commenced	:	06-Jun-2025
C-O-C number	:	----	Issue Date	:	18-Mar-2026 07:58
Sampler	:	----			
Site	:	----			
Quote number	:	NWS Sewage testing			
No. of samples received	:	3			
No. of samples analysed	:	3			

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Brayden Ginther	Laboratory Analyst	Inorganics, Edmonton, Alberta
Brooke Miller	Laboratory Analyst	Inorganics, Edmonton, Alberta
Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Maqsood UlHassan	Laboratory Analyst	Organics, Calgary, Alberta
Rosalie Van Deelen	Laboratory Assistant	Organics, Calgary, Alberta
Roseanne Drake	Lab Assistant	Microbiology, Edmonton, Alberta

No Breaches Found

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key: LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
pH units	pH units

>: greater than.
<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).
For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Workorder Comments

Sample(s) XXX: Samples Received with temperature >10 °C

Qualifiers

Qualifier	Description
DLIS	Detection Limit Adjusted due to insufficient sample.

Analytical Results Evaluation

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	ML-Cycle-let Gen Chem and O&G ----	ML-Cycle-let Faecal A ----	ML-Cycle-let Faecal B ----	----	----	----	----
				Client sampling date / time	06-Jun-2025 00:00	06-Jun-2025 00:00	06-Jun-2025 00:00	----	----	----	----
				Sub-Matrix	Water	Water	Water	----	----	----	----
					EO2504578-001	**EO2504578-002**	**EO2504578-003**	**----**	**----**	**----**	**----**
					Result	Result	Result	----	----	----	----
Physical Tests											
pH	----	E108/EO	pH units		7.81	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/EO	mg/L		4.0	----	----	----	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	E010.FC/EO	MPN/100mL		----	7	31	----	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	E550/CG	mg/L		<3.0 DLIS	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/CG	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/CG	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/CG	mg/L		<5.0	----	----	----	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Summary of Guideline Limits

ALS Canada Ltd.

right solutions.
right partner.

QUALITY CONTROL REPORT

Work Order	: **EO2504578**		
Client	: Nasittuq Corporation	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 06-Jun-2025 09:00
PO	: ----	Date Analysis Commenced	: 06-Jun-2025
C-O-C number	: ----	Issue Date	: 18-Mar-2026 07:58
Sampler	: ----		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 3		
No. of samples analysed	: 3		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Brayden Ginther	Laboratory Analyst	Edmonton Inorganics, Edmonton, Alberta
Brooke Miller	Laboratory Analyst	Edmonton Inorganics, Edmonton, Alberta
Harpreet Chawla	Team Leader - Inorganics	Calgary Inorganics, Calgary, Alberta
Maqsood UlHassan	Laboratory Analyst	Calgary Organics, Calgary, Alberta
Rosalie Van Deelen	Laboratory Assistant	Calgary Organics, Calgary, Alberta
Roseanne Drake	Lab Assistant	Edmonton Microbiology, Edmonton, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key: Anonymous=Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number=Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO=Data Quality Objective.
LOR=Limit of Reporting (detection limit).
RPD=Relative Percent Difference
# =Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: Water

Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Laboratory Duplicate (DUP) Report						
					LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Physical Tests(QC Lot: 2045116)											
EO2504556-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	3.4	3.2	0.2	Diff <2x LOR	---
Physical Tests(QC Lot: 2048192)											
EO2504760-001	Anonymous	pH	----	E108	0.10	pH units	8.17	8.17	0.00 %	3%	---
Microbiological Tests(QC Lot: 2038367)											
EO2504558-002	Anonymous	Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	<1	0	Diff <2x LOR	---
Aggregate Organics(QC Lot: 2040023)											
CG2507508-002	Anonymous	Biochemical oxygen demand [BOD]	----	E550	2.0	mg/L	<2.0	<2.0	0.0 %	30%	---

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests(QC Lot: 2045116)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Physical Tests(QC Lot: 2048192)						
pH	----	E108	----	pH units	----	----
Microbiological Tests(QC Lot: 2038367)						
Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	----
Aggregate Organics(QC Lot: 2040023)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics(QC Lot: 2049233)						
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	<5.0	----
Aggregate Organics(QC Lot: 2049234)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: Water

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	*CAS Number*	*Method*	*LOR*	*Unit*	*Target Concentration*	*LCS*	*Low*	*High*	*Qualifier*
Physical Tests(QC Lot: 2045116)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	102	85.0	115	----
Physical Tests(QC Lot: 2048192)									
pH	----	E108	----	pH units	6 pH units	102	97.0	103	----
Aggregate Organics(QC Lot: 2040023)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	101	85.0	115	----
Aggregate Organics(QC Lot: 2049233)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	50 mg/L	95.8	70.0	130	----
Aggregate Organics(QC Lot: 2049234)									
Oil & grease (gravimetric)	----	E567	5	mg/L	100 mg/L	109	70.0	130	----

ALS Canada Ltd.

right solutions.
right partner.

Quality Control Interpretive Report

Work Order	:	**EO2504578**			
Client	:	Nasittuq Corporation	Laboratory	:	ALS Environmental - Edmonton
Contact	:	Alaina Leslie	Account Manager	:	Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	:	9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	:	613 223 0629	Telephone	:	7804136472
Project	:	NWS Sewage CAM-M	Date Samples Received	:	06-Jun-2025 09:00
PO	:	----	Issue Date	:	23-Mar-2026 05:20
C-O-C number	:	----			
Sampler	:	----			
Site	:	----			
Quote number	:	NWS Sewage testing			
No. of samples received	:	3			
No. of samples analysed	:	3			

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Laboratory Control Sample Duplicate (LCSD) outliers occur
- No Matrix Spike outliers occur.
- No Matrix Spike Duplicate (MSD) outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and/or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: Water

Evaluation: × = Holding time exceedance; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client sample ID	ALS Sample ID	QC Lot	Method	Sampling Date	Extraction / Preparation				Analysis			
					Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
						Rec	Actual			Rec	Actual	
Aggregate Organics : Biochemical Oxygen Demand - 5 day												
HDPE [BOD HT-48h]												
ML-Cycle-let Gen Chem and O&G	001	2040023	E550	06-Jun-2025	----	----	----		08-Jun-2025	48 hrs	43 hrs	✓
Aggregate Organics : Mineral Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
ML-Cycle-let Gen Chem and O&G	001	2049233	E567SG	06-Jun-2025	13-Jun-2025	28 days	7 days	✓	13-Jun-2025	28 days	7 days	✓
Aggregate Organics : Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
ML-Cycle-let Gen Chem and O&G	001	2049234	E567	06-Jun-2025	13-Jun-2025	28 days	7 days	✓	13-Jun-2025	28 days	7 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)												
Sterile HDPE (sodium thiosulfate)												
ML-Cycle-let Faecal A	002	2038367	E010.FC	06-Jun-2025	----	----	----		06-Jun-2025	30 hrs	2 hrs	✓
ML-Cycle-let Faecal B	003	2038367	E010.FC	06-Jun-2025	----	----	----		06-Jun-2025	30 hrs	2 hrs	✓
Physical Tests : pH by Meter												
HDPE												
ML-Cycle-let Gen Chem and O&G	001	2048192	E108	06-Jun-2025	12-Jun-2025	0.25 hrs	142 hrs	× EHTL	12-Jun-2025	0.25 hrs	148 hrs	× EHTL

Matrix: Water

Evaluation: × = Holding time exceedance; ✓ = Within Holding Time

Analyte Group : Analytical Method					Extraction / Preparation				Analysis			
Container						Holding Times				Holding Times		
Client sample ID	ALS Sample ID	QC Lot	Method	Sampling Date	Preparation Date	Rec	Actual	Eval	Analysis Date	Rec	Actual	Eval
Physical Tests : TSS by Gravimetry												
HDPE												
ML-Cycle-let Gen Chem and O&G	001	2045116	E160	06-Jun-2025	----	----	----		12-Jun-2025	7 days	6 days	✓

Legend & Qualifier Definitions

EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: Water

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	Method	QC Lot #	QC	Regular	Actual	Expected	Evaluation
Laboratory Duplicates (DUP)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	2038367	1	17	5.9	5.0	✓
pH by Meter	E108	2048192	1	11	9.1	5.0	✓
TSS by Gravimetry	E160	2045116	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2040023	1	5	20.0	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	2048192	1	11	9.1	5.0	✓
TSS by Gravimetry	E160	2045116	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2040023	1	5	20.0	5.0	✓
Oil & Grease by Gravimetry	E567	2049234	1	9	11.1	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2049233	1	1	100.0	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	2038367	1	17	5.9	5.0	✓
TSS by Gravimetry	E160	2045116	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2040023	1	5	20.0	5.0	✓
Oil & Grease by Gravimetry	E567	2049234	1	9	11.1	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2049233	1	1	100.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Oil & Grease Extraction for Gravimetry	EP567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.
Preparation for Autotitrator	EP108-TITR ALS Environmental - Edmonton	Water		Sample preparation for parameters analysed by Autotitrator
Analytical Methods	**Method / Lab**	**Matrix**	**Method Reference**	**Method Descriptions**
Animal & Vegetable Oil & Grease by Gravimetry	EC567A.SG ALS Environmental - Calgary	Water	APHA 5520 (mod)	Animal & vegetable oil and grease is calculated as follows: Oil & Grease (gravimetric) minus Mineral Oil & Grease (gravimetric)
Biochemical Oxygen Demand - 5 day	E550 ALS Environmental - Calgary	Water	APHA 5210 B (mod)	Samples are diluted and incubated for a specified time period, after which the oxygen depletion is measured using a dissolved oxygen meter. Free chlorine is a negative interference in the BOD method; please advise ALS when free chlorine is present in samples.
Mineral Oil & Grease by Gravimetry	E567SG ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane, followed by silica gel treatment after which the extract is evaporated to dryness. The residue is then weighed to determine Mineral Oil and Grease.
Oil & Grease by Gravimetry	E567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	This method involves extracting the sample with n□hexane, evaporating the extract to dryness, and gravimetrically determining the residue as oil and grease. It is based on EPA Method 1664 and is equivalent to BC MOE Laboratory Manual (Oil and Grease) and APHA Standard Methods 5520 B .
pH by Meter	E108 ALS Environmental - Edmonton	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC ALS Environmental - Edmonton	Water	APHA 9223 (mod)	The enzyme substrate test detects Thermotolerant Coliforms in a 100 mL sample after an 18 hour incubation at 44.5 ±0.2°C.
TSS by Gravimetry	E160 ALS Environmental - Edmonton	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.

www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 14 -

Page ____ of ____

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Nasittuq Corp	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Alaina Leslie	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	275 Slater St Ottawa ON K1P 5H9	☑ Criteria on Report - provide details below if box checked	E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
Phone:	613-223-0629	Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
		Email 1 or Fax alaina.leslie@nasittuq.com	Specify Date Required for E2,E or P:
		Email 2 labresults@nasittuq.com	

Invoice To		Invoice Distribution
	Same as Report To ☐ Yes ☐ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
	Copy of Invoice with Report ☐ Yes ☐ No	Email 1 or Fax labresults@nasittuq.com
Company:		Email 2 naccounting@nasittuq.com
Contact:		

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q89840	Approver ID:	Cost Center:
Job #:	NWS Sewage CAM-M	GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only): EO2504578 **ALS Contact:** E. Dobbin **Sampler:** *

Analysis Request — Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	BOD, pH, TSS	O&G	Faecal Coliforms	Number of Containers
	ML-Cycle-let Gen Chem and O&G	* 06/2025		Effluent	R	R		3
	ML-Cycle-let Faecal A	* 06/2025		Effluent			R	1
	ML-Cycle-let Faecal B	* 06/2025		Effluent			R	1
	ML-Cycle-let Faecal C	* 06/2025		Effluent			R	1

Environmental Division
Edmonton
Work Order Reference
EO2504578

Telephone : +1 780 413 5227

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? ☐ Yes ☑ No Are samples for human drinking water use? ☐ Yes ☑ No	Please apply NWS Sewage Limits Threshold

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☑
Ice packs Yes ☑ No ☐ Custody seal intact Yes ☐ No ☑
Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
19.4					

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: * Patrick Beaulne	Date: 3 06/2025	Time: 9:06 AM	Received by:	Date: 6/6/25	Time: 9 AM	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FM-0336a v09 Front/04 January 2014

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Canada Ltd.

right solutions.
right partner.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**EO2505928**			
Client	:	**Nasittuq Corporation**	Laboratory	:	ALS Environmental - Edmonton
Contact	:	Alaina Leslie	Account Manager	:	Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	:	9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	:	613 223 0629	Telephone	:	7804136472
Project	:	NWS Sewage CAM-M	Date Samples Received	:	12-Jul-2025 09:30
PO	:	----	Date Analysis Commenced	:	12-Jul-2025
C-O-C number	:	14-	Issue Date	:	18-Mar-2026 07:59
Sampler	:	FA			
Site	:	----			
Quote number	:	NWS Sewage testing			
No. of samples received	:	4			
No. of samples analysed	:	4			

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Alastair McGibbon	Laboratory Analyst	Inorganics, Edmonton, Alberta
Brayden Ginther	Laboratory Analyst	Inorganics, Edmonton, Alberta
Fahad Husain	Analyst	Microbiology, Edmonton, Alberta
Joshua Stessun	Laboratory Analyst	Organics, Calgary, Alberta
Shirley Li	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Stephanie Korol	Laboratory Assistant	Organics, Calgary, Alberta

No Breaches Found

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key: LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
pH units	pH units

>: greater than.
<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).
For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Workorder Comments

Sample(s) XXX: Samples Received with temperature >10 °C

Qualifiers

Qualifier	Description
DLIS	Detection Limit Adjusted due to insufficient sample.

Analytical Results Evaluation

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	ML-Main-Cycle-let Gen Chem and O&G ----	ML-Main-Cycle-let Feacal A ----	ML-Main-Cycle-let Feacal B ----	ML-Main-Cycle-let Feacal C ----	----	----	----
				Client sampling date / time	09-Jul-2025 09:00	09-Jul-2025 09:00	09-Jul-2025 09:00	09-Jul-2025 09:00	----	----	----
				Sub-Matrix	Water	Water	Water	Water	----	----	----
					EO2505928-001	EO2505928-002	EO2505928-003	EO2505928-004	----	----	----
					Result	Result	Result	Result	----	----	----
Physical Tests											
pH	----	E108/EO	pH units		7.91	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/EO	mg/L		3.3	----	----	----	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	E010.FC/EO	MPN/100mL		----	156	210	<1	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	E550/CG	mg/L		<3.0 DLIS	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/CG	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/CG	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/CG	mg/L		<5.0	----	----	----	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Summary of Guideline Limits

ALS Canada Ltd.

right solutions.
right partner.

QUALITY CONTROL REPORT

Work Order	: **EO2505928**		
Client	: Nasittuq Corporation	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 12-Jul-2025 09:30
PO	: ----	Date Analysis Commenced	: 12-Jul-2025
C-O-C number	: 14-	Issue Date	: 18-Mar-2026 07:59
Sampler	: FA		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Alastair McGibbon	Laboratory Analyst	Edmonton Inorganics, Edmonton, Alberta
Brayden Ginther	Laboratory Analyst	Edmonton Inorganics, Edmonton, Alberta
Fahad Husain	Analyst	Edmonton Microbiology, Edmonton, Alberta
Joshua Stessun	Laboratory Analyst	Calgary Organics, Calgary, Alberta
Shirley Li	Team Leader - Inorganics	Calgary Inorganics, Calgary, Alberta
Stephanie Korol	Laboratory Assistant	Calgary Organics, Calgary, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key: Anonymous=Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number=Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO=Data Quality Objective.
LOR=Limit of Reporting (detection limit).
RPD=Relative Percent Difference
# =Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: Water

Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Laboratory Duplicate (DUP) Report						
					LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Physical Tests(QC Lot: 2107637)											
EO2506001-001	Anonymous	pH	----	E108	0.10	pH units	8.94	8.96	0.223 %	3%	---
Physical Tests(QC Lot: 2111133)											
EO2505953-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	6.9	9.1	2.2	Diff <2x LOR	---
Microbiological Tests(QC Lot: 2103934)											
EO2505928-002	ML-Main-Cycle-let Feacal	Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	156	172	9.55 %	65%	---
Aggregate Organics(QC Lot: 2107997)											
CG2509603-002	Anonymous	Biochemical oxygen demand [BOD]	----	E550	2.0	mg/L	<2.0	<2.0	0.0 %	30%	---

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests(QC Lot: 2107637)						
pH	----	E108	----	pH units	----	----
Physical Tests(QC Lot: 2111133)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests(QC Lot: 2103934)						
Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	----
Aggregate Organics(QC Lot: 2107997)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics(QC Lot: 2108959)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics(QC Lot: 2108960)						
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	<5.0	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: Water

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	*CAS Number*	*Method*	*LOR*	*Unit*	*Target Concentration*	*LCS*	*Low*	*High*	*Qualifier*
Physical Tests(QC Lot: 2107637)									
pH	----	E108	----	pH units	6 pH units	102	97.0	103	----
Physical Tests(QC Lot: 2111133)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	98.7	85.0	115	----
Aggregate Organics(QC Lot: 2107997)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	97.9	85.0	115	----
Aggregate Organics(QC Lot: 2108959)									
Oil & grease (gravimetric)	----	E567	5	mg/L	100 mg/L	94.3	70.0	130	----
Aggregate Organics(QC Lot: 2108960)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	50 mg/L	87.0	70.0	130	----

ALS Canada Ltd.

right solutions.
right partner.

Quality Control Interpretive Report

Work Order	:	**EO2505928**		
Client	:	Nasittuq Corporation	Laboratory	: ALS Environmental - Edmonton
Contact	:	Alaina Leslie	Account Manager	: Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	:	613 223 0629	Telephone	: 7804136472
Project	:	NWS Sewage CAM-M	Date Samples Received	: 12-Jul-2025 09:30
PO	:	----	Issue Date	: 18-Mar-2026 07:59
C-O-C number	:	14-		
Sampler	:	FA		
Site	:	----		
Quote number	:	NWS Sewage testing		
No. of samples received	:	4		
No. of samples analysed	:	4		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Laboratory Control Sample Duplicate (LCSD) outliers occur
- No Matrix Spike outliers occur.
- No Matrix Spike Duplicate (MSD) outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and/or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: Water

Evaluation: × = Holding time exceedance; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client sample ID	ALS Sample ID	QC Lot	Method	Sampling Date	Extraction / Preparation				Analysis			
					Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
						Rec	Actual			Rec	Actual	
Aggregate Organics : Biochemical Oxygen Demand - 5 day												
HDPE [BOD HT-48h]												
ML-Main-Cycle-let Gen Chem and O&G	001	2107997	E550	09-Jul-2025	----	----	----		15-Jul-2025	48 hrs	143 hrs	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
ML-Main-Cycle-let Gen Chem and O&G	001	2108960	E567SG	09-Jul-2025	16-Jul-2025	28 days	7 days	✓	17-Jul-2025	28 days	8 days	✓
Aggregate Organics : Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
ML-Main-Cycle-let Gen Chem and O&G	001	2108959	E567	09-Jul-2025	16-Jul-2025	28 days	7 days	✓	16-Jul-2025	28 days	7 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)												
Sterile HDPE (sodium thiosulfate)												
ML-Main-Cycle-let Feacal A	002	2103934	E010.FC	09-Jul-2025	----	----	----		12-Jul-2025	30 hrs	78 hrs	× EHTR
ML-Main-Cycle-let Feacal B	003	2103934	E010.FC	09-Jul-2025	----	----	----		12-Jul-2025	30 hrs	78 hrs	× EHTR
ML-Main-Cycle-let Feacal C	004	2103934	E010.FC	09-Jul-2025	----	----	----		12-Jul-2025	30 hrs	78 hrs	× EHTR

Matrix: Water

Evaluation: × = Holding time exceedance; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client sample ID	ALS Sample ID	QC Lot	Method	Sampling Date	Extraction / Preparation				Analysis			
					Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
						Rec	Actual			Rec	Actual	
Physical Tests : pH by Meter												
HDPE												
ML-Main-Cycle-let Gen Chem and O&G	001	2107637	E108	09-Jul-2025	15-Jul-2025	0.25 hrs	149 hrs	× EHTR-FM	15-Jul-2025	0.25 hrs	151 hrs	× EHTR-FM
Physical Tests : TSS by Gravimetry												
HDPE												
ML-Main-Cycle-let Gen Chem and O&G	001	2111133	E160	09-Jul-2025	----	----	----		18-Jul-2025	7 days	9 days	× EHT

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

EHT: Exceeded ALS recommended hold time prior to analysis.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: Water

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	Method	QC Lot #	QC	Regular	Actual	Expected	Evaluation
Laboratory Duplicates (DUP)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	2103934	1	3	33.3	5.0	✓
pH by Meter	E108	2107637	1	13	7.7	5.0	✓
TSS by Gravimetry	E160	2111133	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2107997	1	20	5.0	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	2107637	1	13	7.7	5.0	✓
TSS by Gravimetry	E160	2111133	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2107997	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	2108959	1	11	9.1	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2108960	1	7	14.3	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	2103934	1	3	33.3	5.0	✓
TSS by Gravimetry	E160	2111133	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2107997	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	2108959	1	11	9.1	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2108960	1	7	14.3	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Oil & Grease Extraction for Gravimetry	EP567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.
Preparation for Autotitrator	EP108-TITR ALS Environmental - Edmonton	Water		Sample preparation for parameters analysed by Autotitrator
Analytical Methods	**Method / Lab**	**Matrix**	**Method Reference**	**Method Descriptions**
Animal & Vegetable Oil & Grease by Gravimetry	EC567A.SG ALS Environmental - Calgary	Water	APHA 5520 (mod)	Animal & vegetable oil and grease is calculated as follows: Oil & Grease (gravimetric) minus Mineral Oil & Grease (gravimetric)
Biochemical Oxygen Demand - 5 day	E550 ALS Environmental - Calgary	Water	APHA 5210 B (mod)	Samples are diluted and incubated for a specified time period, after which the oxygen depletion is measured using a dissolved oxygen meter. Free chlorine is a negative interference in the BOD method; please advise ALS when free chlorine is present in samples.
Mineral Oil & Grease by Gravimetry	E567SG ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane, followed by silica gel treatment after which the extract is evaporated to dryness. The residue is then weighed to determine Mineral Oil and Grease.
Oil & Grease by Gravimetry	E567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	This method involves extracting the sample with n□hexane, evaporating the extract to dryness, and gravimetrically determining the residue as oil and grease. It is based on EPA Method 1664 and is equivalent to BC MOE Laboratory Manual (Oil and Grease) and APHA Standard Methods 5520 B .
pH by Meter	E108 ALS Environmental - Edmonton	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC ALS Environmental - Edmonton	Water	APHA 9223 (mod)	The enzyme substrate test detects Thermotolerant Coliforms in a 100 mL sample after an 18 hour incubation at 44.5 ±0.2°C.
TSS by Gravimetry	E160 ALS Environmental - Edmonton	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 14 -

Page ____ of ____

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Nasittuq Corp	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Alaina Leslie	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	275 Slater St Ottawa ON K1P 5H9	☑ Criteria on Report - provide details below if box checked	E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
Phone:	613-223-0629	Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
		Email 1 or Fax alaina.leslie@nasittuq.com	Specify Date Required for E2,E or P:
		Email 2 labresults@nasittuq.com	

Invoice To	Same as Report To ☐ Yes ☐ No	Invoice Distribution
	Copy of Invoice with Report ☐ Yes ☐ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Company:		Email 1 or Fax labresults@nasittuq.com
Contact:		Email 2 accounting@nasittuq.com

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q89840	Approver ID:	Cost Center:
Job #:	NWS Sewage CAM-M	GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only): E02505928 | **ALS Contact:** E. Dobbin | **Sampler:** F.Aylward

Analysis Request — Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	BOD, pH, TSS	O&G	Faecal Coliforms		Number of Containers
	ML-Main - Cycle-let Gen Chem and O&G	09-Jul-25	9.00 am	Effluent	R	R			4
	ML-Main - Cycle-let Faecal A	09-Jul-25	9.00 am	Effluent			R		1
	ML-Main - Cycle-let Faecal B	09-Jul-25	9.00 am	Effluent			R		1
	ML-Main - Cycle-let Faecal C	09-Jul-25	9.00 am	Effluent			R		1

Environmental Division
Edmonton
Work Order Reference
EO2505928

Telephone : + 1 780 413 5227

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? ☐ Yes ☑ No Are samples for human drinking water use? ☐ Yes ☑ No	NWS Nunavut Water Board Licence Criteria

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen	☐	SIF Observations	Yes ☐	No ☑	
Ice packs	Yes ☑	No ☐	Custody seal intact	Yes ☐	No ☑
Cooling Initiated	☑				

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
20.8					

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: *	Date:	Time:	Received by: MK	Date: 12/7/25	Time: 9:30	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FM-0326a vC0 Front/04 January 2014

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC** form.

ALS Canada Ltd.

right solutions.
right partner.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**EO2506884**			
Client	:	**Nasittuq Corporation**	Laboratory	:	ALS Environmental - Edmonton
Contact	:	Alaina Leslie	Account Manager	:	Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	:	9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	:	613 223 0629	Telephone	:	7804136472
Project	:	NWS Sewage CAM-M	Date Samples Received	:	07-Aug-2025 09:45
PO	:	----	Date Analysis Commenced	:	07-Aug-2025
C-O-C number	:	14-	Issue Date	:	18-Mar-2026 07:59
Sampler	:	----			
Site	:	----			
Quote number	:	NWS Sewage testing			
No. of samples received	:	4			
No. of samples analysed	:	4			

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Alastair McGibbon	Laboratory Analyst	Inorganics, Edmonton, Alberta
Alex Drake	Lab Analyst	Microbiology, Edmonton, Alberta
Leah Yee	Lab Assistant	Inorganics, Edmonton, Alberta
Rosalie Van Deelen	Laboratory Assistant	Organics, Calgary, Alberta
Shirley Li	Team Leader - Inorganics	Inorganics, Calgary, Alberta

No Breaches Found

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key: LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
pH units	pH units

>: greater than.
<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).
For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Qualifiers

Qualifier	Description
DLIS	Detection Limit Adjusted due to insufficient sample.
MBHT	The APHA 30 hour holding time was exceeded for microbiological testing. Samples processed within 48 hours from time of sampling may be valid in some cases (refer to Health Canada guidance).

Analytical Results Evaluation

Matrix: Water			Client sample ID	ML-Cycle-let Gen Chem and O&G ----	ML-Cycle-let Faecal A ----	ML-Cycle-let Faecal B ----	ML-Cycle-let Faecal C ----	----	----	----
			Client sampling date / time	05-Aug-2025 12:00	05-Aug-2025 12:00	05-Aug-2025 12:00	05-Aug-2025 12:00	----	----	----
			Sub-Matrix	Water	Water	Water	Water	----	----	----
Analyte	CAS Number	Method/Lab	Unit	EO2506884-001	EO2506884-002	EO2506884-003	EO2506884-004	----	----	----
				Result	Result	Result	Result	----	----	----
Physical Tests										
pH	----	E108/EO	pH units	7.46	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/EO	mg/L	<3.0	----	----	----	----	----	----
Microbiological Tests										
Coliforms, thermotolerant [fecal]	----	E010.FC/EO	MPN/100mL	----	126 MBHT	44 MBHT	129 MBHT	----	----	----
Aggregate Organics										
Biochemical oxygen demand [BOD]	----	E550/CG	mg/L	<6.0 DLIS	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/CG	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/CG	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/CG	mg/L	<5.0	----	----	----	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Summary of Guideline Limits

ALS Canada Ltd.

right solutions.
right partner.

QUALITY CONTROL REPORT

Work Order	: **EO2506884**		
Client	: Nasittuq Corporation	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 07-Aug-2025 09:45
PO	: ----	Date Analysis Commenced	: 07-Aug-2025
C-O-C number	: 14-	Issue Date	: 18-Mar-2026 07:59
Sampler	: ----		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Alastair McGibbon	Laboratory Analyst	Edmonton Inorganics, Edmonton, Alberta
Alex Drake	Lab Analyst	Edmonton Microbiology, Edmonton, Alberta
Leah Yee	Lab Assistant	Edmonton Inorganics, Edmonton, Alberta
Rosalie Van Deelen	Laboratory Assistant	Calgary Organics, Calgary, Alberta
Shirley Li	Team Leader - Inorganics	Calgary Inorganics, Calgary, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key: Anonymous=Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number=Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO=Data Quality Objective.
LOR=Limit of Reporting (detection limit).
RPD=Relative Percent Difference
# =Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: Water

Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Laboratory Duplicate (DUP) Report						
					LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Physical Tests(QC Lot: 2150169)											
EO2506916-001	Anonymous	pH	----	E108	0.10	pH units	7.50	7.49	0.133 %	3%	---
Physical Tests(QC Lot: 2157162)											
EO2506871-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	<3.0	<3.0	0	Diff <2x LOR	---
Microbiological Tests(QC Lot: 2148729)											
FC2502170-002	Anonymous	Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	<1	0	Diff <2x LOR	---
Aggregate Organics(QC Lot: 2150779)											
CG2511082-002	Anonymous	Biochemical oxygen demand [BOD]	----	E550	2.0	mg/L	<2.0	<2.0	0.0 %	30%	---

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests(QC Lot: 2150169)						
pH	----	E108	----	pH units	----	----
Physical Tests(QC Lot: 2157162)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests(QC Lot: 2148729)						
Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	----
Aggregate Organics(QC Lot: 2150779)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics(QC Lot: 2156298)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics(QC Lot: 2156299)						
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	<5.0	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: Water

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	*CAS Number*	*Method*	*LOR*	*Unit*	*Target Concentration*	*LCS*	*Low*	*High*	*Qualifier*
Physical Tests(QC Lot: 2150169)									
pH	----	E108	----	pH units	6 pH units	101	97.0	103	----
Physical Tests(QC Lot: 2157162)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	96.8	85.0	115	----
Aggregate Organics(QC Lot: 2150779)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	105	85.0	115	----
Aggregate Organics(QC Lot: 2156298)									
Oil & grease (gravimetric)	----	E567	5	mg/L	100 mg/L	125	70.0	130	----
Aggregate Organics(QC Lot: 2156299)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	50 mg/L	116	70.0	130	----

ALS Canada Ltd.

right solutions.
right partner.

Quality Control Interpretive Report

Work Order	:	**EO2506884**			
Client	:	Nasittuq Corporation	Laboratory	:	ALS Environmental - Edmonton
Contact	:	Alaina Leslie	Account Manager	:	Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	:	9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	:	613 223 0629	Telephone	:	7804136472
Project	:	NWS Sewage CAM-M	Date Samples Received	:	07-Aug-2025 09:45
PO	:	----	Issue Date	:	18-Mar-2026 07:59
C-O-C number	:	14-			
Sampler	:	----			
Site	:	----			
Quote number	:	NWS Sewage testing			
No. of samples received	:	4			
No. of samples analysed	:	4			

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Laboratory Control Sample Duplicate (LCSD) outliers occur
- No Matrix Spike outliers occur.
- No Matrix Spike Duplicate (MSD) outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and/or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: Water

Evaluation: × = Holding time exceedance; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client sample ID	ALS Sample ID	QC Lot	Method	Sampling Date	Extraction / Preparation				Analysis			
					Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Aggregate Organics : Biochemical Oxygen Demand - 5 day												
HDPE [BOD HT-48h]												
ML-Cycle-let Gen Chem and O&G	001	2150779	E550	05-Aug-2025	----	----	----		08-Aug-2025	48 hrs	71 hrs	× EHTL
Aggregate Organics : Mineral Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
ML-Cycle-let Gen Chem and O&G	001	2156299	E567SG	05-Aug-2025	13-Aug-2025	28 days	8 days	✓	13-Aug-2025	28 days	8 days	✓
Aggregate Organics : Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
ML-Cycle-let Gen Chem and O&G	001	2156298	E567	05-Aug-2025	13-Aug-2025	28 days	8 days	✓	13-Aug-2025	28 days	8 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)												
Sterile HDPE (sodium thiosulfate)												
ML-Cycle-let Faecal A	002	2148729	E010.FC	05-Aug-2025	----	----	----		07-Aug-2025	30 hrs	51 hrs	× EHTR
ML-Cycle-let Faecal B	003	2148729	E010.FC	05-Aug-2025	----	----	----		07-Aug-2025	30 hrs	51 hrs	× EHTR
ML-Cycle-let Faecal C	004	2148729	E010.FC	05-Aug-2025	----	----	----		07-Aug-2025	30 hrs	51 hrs	× EHTR

Matrix: Water

Evaluation: × = Holding time exceedance; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client sample ID	ALS Sample ID	QC Lot	Method	Sampling Date	Extraction / Preparation				Analysis			
					Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
						Rec	Actual			Rec	Actual	
Physical Tests : pH by Meter												
HDPE												
ML-Cycle-let Gen Chem and O&G	001	2150169	E108	05-Aug-2025	08-Aug-2025	0.25 hrs	71 hrs	× EHTR-FM	08-Aug-2025	0.25 hrs	72 hrs	× EHTR-FM
Physical Tests : TSS by Gravimetry												
HDPE												
ML-Cycle-let Gen Chem and O&G	001	2157162	E160	05-Aug-2025	----	----	----		13-Aug-2025	7 days	8 days	× EHT

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended
EHTR: Exceeded ALS recommended hold time prior to sample receipt.
EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.
EHT: Exceeded ALS recommended hold time prior to analysis.
Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: Water

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	Method	QC Lot #	QC	Regular	Actual	Expected	Evaluation
Laboratory Duplicates (DUP)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	2148729	1	17	5.9	5.0	✓
pH by Meter	E108	2150169	1	13	7.7	5.0	✓
TSS by Gravimetry	E160	2157162	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2150779	1	20	5.0	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	2150169	1	13	7.7	5.0	✓
TSS by Gravimetry	E160	2157162	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2150779	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	2156298	1	13	7.7	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2156299	1	9	11.1	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	2148729	1	17	5.9	5.0	✓
TSS by Gravimetry	E160	2157162	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2150779	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	2156298	1	13	7.7	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2156299	1	9	11.1	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Oil & Grease Extraction for Gravimetry	EP567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.
Preparation for Autotitrator	EP108-TITR ALS Environmental - Edmonton	Water		Sample preparation for parameters analysed by Autotitrator
Analytical Methods	**Method / Lab**	**Matrix**	**Method Reference**	**Method Descriptions**
Animal & Vegetable Oil & Grease by Gravimetry	EC567A.SG ALS Environmental - Calgary	Water	APHA 5520 (mod)	Animal & vegetable oil and grease is calculated as follows: Oil & Grease (gravimetric) minus Mineral Oil & Grease (gravimetric)
Biochemical Oxygen Demand - 5 day	E550 ALS Environmental - Calgary	Water	APHA 5210 B (mod)	Samples are diluted and incubated for a specified time period, after which the oxygen depletion is measured using a dissolved oxygen meter. Free chlorine is a negative interference in the BOD method; please advise ALS when free chlorine is present in samples.
Mineral Oil & Grease by Gravimetry	E567SG ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane, followed by silica gel treatment after which the extract is evaporated to dryness. The residue is then weighed to determine Mineral Oil and Grease.
Oil & Grease by Gravimetry	E567 ALS Environmental - Calgary	Water	BC MOE Lab Manual (Oil & Grease) (mod)	This method involves extracting the sample with n□hexane, evaporating the extract to dryness, and gravimetrically determining the residue as oil and grease. It is based on EPA Method 1664 and is equivalent to BC MOE Laboratory Manual (Oil and Grease) and APHA Standard Methods 5520 B .
pH by Meter	E108 ALS Environmental - Edmonton	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC ALS Environmental - Edmonton	Water	APHA 9223 (mod)	The enzyme substrate test detects Thermotolerant Coliforms in a 100 mL sample after an 18 hour incubation at 44.5 ±0.2°C.
TSS by Gravimetry	E160 ALS Environmental - Edmonton	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 14 -

Page ____ of ____

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Nasittuq Corp	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Alaina Leslie	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	275 Slater St Ottawa ON K1P 5H9	☑ Criteria on Report - provide details below if box checked	E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
Phone:	613-223-0629	Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
		Email 1 or Fax alaina.leslie@nasittuq.com	Specify Date Required for E2,E or P:
		Email 2 labresults@nasittuq.com	

Invoice To		Invoice Distribution
	Same as Report To ☐ Yes ☐ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
	Copy of Invoice with Report ☐ Yes ☐ No	
Company:		Email 1 or Fax labresults@nasittuq.com
Contact:		Email 2 naccounting@nasittuq.com

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q89840	Approver ID:	Cost Center:
Job #:	NWS Sewage CAM-M	GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only): EO2506884 **ALS Contact:** E. Dobbin **Sampler:** *

Analysis Request — Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	BOD, pH, TSS	O&G	Faecal Coliforms	Number of Containers
	ML-Cycle-let Gen Chem and O&G	* 5 8 2025	12 pm	Effluent	R	R		3
	ML-Cycle-let Faecal A	* 5 8 2025	12 pm	Effluent			R	1
	ML-Cycle-let Faecal B	* 5 8 2025	12 pm	Effluent			R	1
	ML-Cycle-let Faecal C	* 5 8 2025	12 pm	Effluent			R	1

Environmental Division
Edmonton
Work Order Reference
EO2506884

Telephone : +1 780 413 5227

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client use)
Are samples taken from a Regulated DW System? ☐ Yes ☑ No Are samples for human drinking water use? ☐ Yes ☑ No	Please apply NWS Sewage Limits Threshold

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen	☐		SIF Observations	Yes	☐	No	☐
Ice packs	Yes ☑	No ☐	Custody seal intact	Yes	☐	No	☐
Cooling Initiated	☐						

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
5.1					

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Patrick Beaune	Date: 5 8 2025	Time: 12 pm	Received by: K.K	Date: 7-8-25	Time: 9:45	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

ALS Canada Ltd.

right solutions.
right partner.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**YL2500915**			
Client	:	**Nasittuq Corporation**	Laboratory	:	ALS Environmental - Yellowknife
Contact	:	Alaina Leslie	Account Manager	:	Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	:	102-487 Range Lake Road Yellowknife NT Canada X1A 3R9
Telephone	:	613 223 0629	Telephone	:	613 225 8279
Project	:	NWS SITE LSS-C-CAMBRIDGE BAY (SEWAGE)	Date Samples Received	:	04-Sep-2025 10:41
PO	:	88648	Date Analysis Commenced	:	04-Sep-2025
C-O-C number	:	----	Issue Date	:	13-Mar-2026 08:30
Sampler	:	----			
Site	:	----			
Quote number	:	NWS SEWAGE TESTING - LSS Cambridge Bay			
No. of samples received	:	4			
No. of samples analysed	:	4			

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Monica Ko	Supervisor - Inorganic	Inorganics, Burnaby, British Columbia
Oliver Gregg	Client Services Supervisor	External Subcontracting, Yellowknife, Northwest Territories
Ophelia Chiu	Department Manager - Organics	Organics, Burnaby, British Columbia

No Breaches Found

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key: LOR: Limit of Reporting (detection limit).

Unit	*Description*
CFU/100mL	colony forming units per hundred millilitres
mg/L	milligrams per litre
pH units	pH units

>: greater than.
<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).
For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Analytical Results Evaluation

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	Cycle-et Gen Chem and OGG ----	Cycle-let Fecal A ----	Cycle-let Fecal B ----	Cycle-let Fecal C ----	----	----	----
				Client sampling date / time	02-Sep-2025 11:00	02-Sep-2025 11:00	02-Sep-2025 11:00	02-Sep-2025 11:00	----	----	----
				Sub-Matrix	Effluent	Water	Water	Water	----	----	----
					YL2500915-001	YL2500915-002	YL2500915-003	YL2500915-004	----	----	----
					Result	Result	Result	Result	----	----	----
Physical Tests											
pH	----	E108/VA	pH units		8.32	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/VA	mg/L		<3.0	----	----	----	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	FC-MF/1Y	CFU/100mL		----	70.0	85.0	49.0	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	BOD5/1Y	mg/L		3.0	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/VA	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/VA	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/VA	mg/L		<5.0	----	----	----	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Summary of Guideline Limits

Analyte	CAS Number	Unit	NWS Sewage Limits						
Physical Tests									
pH	----	pH units	**6 - 9 pH units**	----	----	----	----	----	----
Solids, total suspended [TSS]		mg/L	**180 mg/L**	----	----	----	----	----	----
Microbiological Tests									
Coliforms, thermotolerant [fecal]		CFU/100mL	----	----	----	----	----	----	----
Aggregate Organics									
Biochemical oxygen demand [BOD]		mg/L	----	----	----	----	----	----	----
Oil & grease (gravimetric)		mg/L	----	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)		mg/L	----	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)		mg/L	----	----	----	----	----	----	----

ALS Canada Ltd.

right solutions.
right partner.

QUALITY CONTROL REPORT

Work Order	: **YL2500915**		
Client	: Nasittuq Corporation	Laboratory	: ALS Environmental - Yellowknife
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 102-487 Range Lake Road Yellowknife NT Canada X1A 3R9
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS SITE LSS-C-CAMBRIDGE BAY (SEWAGE)	Date Samples Received	: 04-Sep-2025 10:41
PO	: 88648	Date Analysis Commenced	: 04-Sep-2025
C-O-C number	: ----	Issue Date	: 13-Mar-2026 08:30
Sampler	: ----		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - LSS Cambridge Bay		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Monica Ko	Supervisor - Inorganic	Vancouver Inorganics, Burnaby, British Columbia
Oliver Gregg	Client Services Supervisor	Taiga Environmental Laboratory External Subcontracting, Yellowknife, Northwest Territories
Ophelia Chiu	Department Manager - Organics	Vancouver Organics, Burnaby, British Columbia

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key:
Anonymous=Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number=Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO=Data Quality Objective.
LOR=Limit of Reporting (detection limit).
RPD=Relative Percent Difference
# =Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: Water

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Physical Tests(QC Lot: 2206240)											
VA25C2782-003	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	4.6	4.2	0.4	Diff <2x LOR	---
Physical Tests(QC Lot: 2210347)											
YL2500917-002	Anonymous	pH	----	E108	0.10	pH units	8.39	8.39	0.00 %	4%	---

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests(QC Lot: 2206240)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Physical Tests(QC Lot: 2210347)						
pH	----	E108	----	pH units	----	----
Aggregate Organics(QC Lot: 2210496)						
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	<5.0	----
Aggregate Organics(QC Lot: 2210497)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: Water

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	*CAS Number*	*Method*	*LOR*	*Unit*	*Target Concentration*	*LCS*	*Low*	*High*	*Qualifier*
Physical Tests(QC Lot: 2206240)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	97.3	85.0	115	----
Physical Tests(QC Lot: 2210347)									
pH	----	E108	----	pH units	7 pH units	100	98.0	102	----
Aggregate Organics(QC Lot: 2210496)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	50 mg/L	95.7	70.0	130	----
Aggregate Organics(QC Lot: 2210497)									
Oil & grease (gravimetric)	----	E567	5	mg/L	100 mg/L	100	70.0	130	----

ALS Canada Ltd.

right solutions.
right partner.

Quality Control Interpretive Report

Work Order	:	**YL2500915**		
Client	:	Nasittuq Corporation	Laboratory	: ALS Environmental - Yellowknife
Contact	:	Alaina Leslie	Account Manager	: Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 102-487 Range Lake Road Yellowknife NT Canada X1A 3R9
Telephone	:	613 223 0629	Telephone	: 613 225 8279
Project	:	NWS SITE LSS-C-CAMBRIDGE BAY (SEWAGE)	Date Samples Received	: 04-Sep-2025 10:41
PO	:	88648	Issue Date	: 13-Mar-2026 08:30
C-O-C number	:	----		
Sampler	:	----		
Site	:	----		
Quote number	:	NWS SEWAGE TESTING - LSS Cambridge Bay		
No. of samples received	:	4		
No. of samples analysed	:	4		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Laboratory Control Sample Duplicate (LCSD) outliers occur
- No Matrix Spike outliers occur.
- No Matrix Spike Duplicate (MSD) outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and/or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: Water

Evaluation: × = Holding time exceedance; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client sample ID	ALS Sample ID	QC Lot	Method	Sampling Date	Extraction / Preparation				Analysis			
					Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
						Rec	Actual			Rec	Actual	
Aggregate Organics : Biochemical Oxygen Demand (BOD) 5-day												
HDPE [BOD HT-48h]												
Cycle-et Gen Chem and OGG	001		BOD5	02-Sep-2025	----	----	----		04-Sep-2025	48 hrs	47 hrs	✓
Aggregate Organics : Mineral Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
Cycle-et Gen Chem and OGG	001	2210496	E567SG	02-Sep-2025	10-Sep-2025	28 days	8 days	✓	11-Sep-2025	28 days	8 days	✓
Aggregate Organics : Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
Cycle-et Gen Chem and OGG	001	2210497	E567	02-Sep-2025	10-Sep-2025	28 days	8 days	✓	11-Sep-2025	28 days	8 days	✓
Microbiological Tests : Fecal Coliforms in Water by MF												
Sterile HDPE (sodium thiosulfate)												
Cycle-let Fecal A	002		FC-MF	02-Sep-2025	----	----	----		04-Sep-2025	30 hrs	47 hrs	× EHTR
Cycle-let Fecal B	003		FC-MF	02-Sep-2025	----	----	----		04-Sep-2025	30 hrs	47 hrs	× EHTR
Cycle-let Fecal C	004		FC-MF	02-Sep-2025	----	----	----		04-Sep-2025	30 hrs	47 hrs	× EHTR

Matrix: Water

Evaluation: × = Holding time exceedance; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client sample ID	ALS Sample ID	QC Lot	Method	Sampling Date	Extraction / Preparation				Analysis			
					Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
						Rec	Actual			Rec	Actual	
Physical Tests : pH by Meter												
HDPE												
Cycle-et Gen Chem and OGG	001	2210347	E108	02-Sep-2025	10-Sep-2025	0.25 hrs	194 hrs	× EHTR-FM	10-Sep-2025	0.25 hrs	194 hrs	× EHTR-FM
Physical Tests : TSS by Gravimetry												
HDPE												
Cycle-et Gen Chem and OGG	001	2206240	E160	02-Sep-2025	----	----	----		08-Sep-2025	7 days	6 days	✓

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: Water

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	Method	QC Lot #	QC	Regular	Actual	Expected	Evaluation
Laboratory Duplicates (DUP)							
pH by Meter	E108	2210347	1	11	9.1	5.0	✓
TSS by Gravimetry	E160	2206240	1	11	9.1	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	2210347	1	11	9.1	5.0	✓
TSS by Gravimetry	E160	2206240	1	11	9.1	5.0	✓
Oil & Grease by Gravimetry	E567	2210497	1	7	14.3	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2210496	1	5	20.0	5.0	✓
Method Blanks (MB)							
TSS by Gravimetry	E160	2206240	1	11	9.1	5.0	✓
Oil & Grease by Gravimetry	E567	2210497	1	7	14.3	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2210496	1	5	20.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Animal & Vegetable Oil & Grease by Gravimetry	EC567A.SG ALS Environmental - Vancouver	Water	APHA 5520 (mod)	Animal & vegetable oil and grease is calculated as follows: Oil & Grease (gravimetric) minus Mineral Oil & Grease (gravimetric)
Biochemical Oxygen Demand (BOD) 5-day	BOD5 Taiga Environmental Laboratory - 4601 - 52nd Avenue P.O. BOX 1500 Yellowknife Northwest Territories Canada X1A 2R3	Water	SM5210B	Sample was diluted, seeded, and incubated at specified temperature for 5 days. Dissolved oxygen is measured initially and after incubation, and the BOD is computed from the difference between initial and final DO.
Fecal Coliforms in Water by MF	FC-MF Taiga Environmental Laboratory - 4601 - 52nd Avenue P.O. BOX 1500 Yellowknife Northwest Territories Canada X1A 2R3	Water	APHA 9222D	See attached report.
Mineral Oil & Grease by Gravimetry	E567SG ALS Environmental - Vancouver	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane, followed by silica gel treatment after which the extract is evaporated to dryness. The residue is then weighed to determine Mineral Oil and Grease.
Oil & Grease by Gravimetry	E567 ALS Environmental - Vancouver	Water	BC MOE Lab Manual (Oil & Grease) (mod)	This method involves extracting the sample with n□hexane, evaporating the extract to dryness, and gravimetrically determining the residue as oil and grease. It is based on EPA Method 1664 and is equivalent to BC MOE Laboratory Manual (Oil and Grease) and APHA Standard Methods 5520 B .
pH by Meter	E108 ALS Environmental - Vancouver	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
TSS by Gravimetry	E160 ALS Environmental - Vancouver	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.
Preparation Methods	**Method / Lab**	**Matrix**	**Method Reference**	**Method Descriptions**
Oil & Grease Extraction for Gravimetry	EP567 ALS Environmental - Vancouver	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.
Preparation for Autotitrator	EP108-TITR ALS Environmental - Vancouver	Water		Sample preparation for parameters analysed by Autotitrator

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

COC Number: 22 -

Page of

Report To	Contact and company name below will appear on the final report
Company:	Nasittuq Corporation - NATT100
Contact:	Alain Leslie
Phone:	613-223-0629
	Company address below will appear on the final report
Street:	360 Albert Street, Suite 1830
City/Province:	Ottawa, ON
Postal Code:	K1R 7X7
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Project Information	
ALS Account # / Quote #:	WT2023NATT1000004
Job #:	NWS SITE LSS-C - CAMBRIDGE BAY (SEWAGE)
PO / AFE:	88648
LSD:	

ALS Lab Work Order # (ALS use only):

Reports / Recipients	
Select Report Format:	☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Merge QC/QCI Reports with COA	☐ YES ☐ NO ☐ N/A
☐ Compare Results to Criteria on Report - provide details below if box checked	
Select Distribution:	☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax	alaina.leslie@nasittuq.com
Email 2	labresults@nasittuq.com
Email 3	

Invoice Recipients	
Select Invoice Distribution:	☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax	labresults@nasittuq.com
Email 2	accounting@nasittuq.com

Oil and Gas Required Fields (client use)	
AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Contact: Costas Farassoglou **Sampler:**

Turnaround Time (TAT) Requested

- ☑ Routine [R] if received by 3pm M-F - no surcharges apply
- ☐ 4 day [P4] if received by 3pm M-F - 20% rush surcharge minimum
- ☐ 3 day [P3] if received by 3pm M-F - 25% rush surcharge minimum
- ☐ 2 day [P2] if received by 3pm M-F - 50% rush surcharge minimum
- ☐ 1 day [E] if received by 3pm M-F - 100% rush surcharge minimum
- ☐ Same day [E2] if received by 10am M-S - 200% rush surcharge.

Additional fees may apply to rush requests on weekends, statutory holidays and for non-routine tests.

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm am/pm

For all tests with rush TATs requested, please contact your AM to confirm availability.

AFFIX ALS BARCODE LABEL HERE (ALS use only)

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (ALS use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BOD	pH	TSS	OGG	Fecal Coliforms	SAMPLES ON HOLD	EXTENDED STORAGE REQUIRED	SUSPECTED HAZARD (see notes)
	_____ - Cycle-et Gen Chem and OGG	2 9 2025	11 AM	EFFLUENT	4	R	R	R	R				
	_____ - Cycle-let Fecal A	2 9 2025	11 AM	EFFLUENT	1					R			
	_____ - Cycle-let Fecal B	2 9 2025	11 AM	EFFLUENT	1					R			
	_____ - Cycle-let Fecal C	2 9 2025	11 AM	EFFLUENT	1					R			

Environmental Division
Yellowknife
Work Order Reference
YL2500915

Telephone : +1 867 873 5593

Drinking Water (DW) Samples[1] (client use)	Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only)
Are samples taken from a Regulated DW System? ☐ YES ☑ NO	
Are samples for human consumption/ use? ☐ YES ☑ NO	

SAMPLE RECEIPT DETAILS (ALS use only)

Cooling Method: ☐ NONE ☐ ICE ☑ ICE PACKS ☐ FROZEN ☐ COOLING INITIATED

Submission Comments identified on Sample Receipt Notification: ☐ YES ☐ NO

Cooler Custody Seals Intact: ☐ YES ☐ N/A Sample Custody Seals Intact: ☐ YES ☐ N/A

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
1.8							

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (ALS use only)			FINAL SHIPMENT RECEPTION (ALS use only)		
Released by: Patrick BEAULNE	Date: Sept 2 2025	Time: 11am	Received by:	Date: Sept 4/25	Time: 10:41	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

FE9 2022 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Canada Ltd.

right solutions.
right partner.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**YL2501115**			
Amendment	:	**1**			
Client	:	**Nasittuq Corporation**	Laboratory	:	ALS Environmental - Yellowknife
Contact	:	Alaina Leslie	Account Manager	:	Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	:	102-487 Range Lake Road Yellowknife NT Canada X1A 3R9
Telephone	:	613 223 0629	Telephone	:	7804136472
Project	:	NWS Sewage CAM-M	Date Samples Received	:	08-Oct-2025 09:30
PO	:	----	Date Analysis Commenced	:	09-Oct-2025
C-O-C number	:	----	Issue Date	:	16-Dec-2025 08:16
Sampler	:	F.Aylward			
Site	:	----			
Quote number	:	NWS Sewage testing			
No. of samples received	:	4			
No. of samples analysed	:	4			

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Miles Gropen	Department Manager - Inorganics	Microbiology, Burnaby, British Columbia
Rosalie Van Deelen	Laboratory Assistant	Organics, Calgary, Alberta
Shirley Li	Team Leader - Inorganics	Inorganics, Calgary, Alberta

No Breaches Found

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key: LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
pH units	pH units

>: greater than.
<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).
For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Workorder Comments

Amendment (16/10/2025): This report has been amended to allow the distribution of an Electronic Data Deliverable (EDD) not previously provided. All analysis results are as per the previous report.

Qualifiers

Qualifier	Description
DLIS	Detection Limit Adjusted due to insufficient sample.

Analytical Results Evaluation

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	ML-Main-Cycle-let Gen Chem and O&G ----	ML-Main-Cycle-let Faecal A ----	ML-Main-Cycle-let Faecal B ----	ML-Main-Cycle-let Faecal C ----	----	----	----
				Client sampling date / time	07-Oct-2025 09:00	07-Oct-2025 09:00	07-Oct-2025 09:00	07-Oct-2025 09:00	----	----	----
				Sub-Matrix	Effluent	Water	Water	Water	----	----	----
					YL2501115-001	YL2501115-002	YL2501115-003	YL2501115-004	----	----	----
					Result	Result	Result	Result	----	----	----
Physical Tests											
pH	----	E108/CG	pH units		7.96	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/CG	mg/L		<3.0	----	----	----	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	E010.FC/VA	MPN/100mL		----	47	58	52	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	E550/CG	mg/L		<6.0 DLIS	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/CG	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/CG	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/CG	mg/L		<5.0	----	----	----	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Summary of Guideline Limits

Analyte	CAS Number	Unit	NWS Sewage Limits						
Physical Tests									
pH	----	pH units	**6 - 9 pH units**	----	----	----	----	----	----
Solids, total suspended [TSS]		mg/L	**180 mg/L**	----	----	----	----	----	----
Microbiological Tests									
Coliforms, thermotolerant [fecal]		MPN/100mL	----	----	----	----	----	----	----
Aggregate Organics									
Biochemical oxygen demand [BOD]		mg/L	**120 mg/L**	----	----	----	----	----	----
Oil & grease (gravimetric)		mg/L	----	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)		mg/L	----	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)		mg/L	----	----	----	----	----	----	----

ALS Canada Ltd.

QUALITY CONTROL REPORT

Work Order	: **YL2501115**	Page	: 1 of 4
Amendment	: **1**		
Client	: Nasittuq Corporation	Laboratory	: ALS Environmental - Yellowknife
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 102-487 Range Lake Road Yellowknife, Northwest Territories Canada X1A 3R9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 08-Oct-2025 09:30
PO	: ----	Date Analysis Commenced	: 09-Oct-2025
C-O-C number	: ----	Issue Date	: 16-Dec-2025 08:16
Sampler	: F.Aylward		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Harpreet Chawla	Team Leader - Inorganics	Calgary Inorganics, Calgary, Alberta
Miles Gropen	Department Manager - Inorganics	Vancouver Microbiology, Burnaby, British Columbia
Rosalie Van Deelen	Laboratory Assistant	Calgary Organics, Calgary, Alberta
Shirley Li	Team Leader - Inorganics	Calgary Inorganics, Calgary, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 2268690)											
CG2514677-002	Anonymous	pH	----	E108	0.10	pH units	8.02	8.05	0.373%	4%	----
Physical Tests (QC Lot: 2271874)											
CG2514513-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	<3.0	<3.0	0	Diff <2x LOR	----
Microbiological Tests (QC Lot: 2268958)											
VA25C6786-001	Anonymous	Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	6	6	0.00%	65%	----
Aggregate Organics (QC Lot: 2268870)											
CG2514689-001	Anonymous	Biochemical oxygen demand [BOD]	----	E550	2.0	mg/L	<2.0	<2.0	0.0%	30%	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 2271874)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests (QCLot: 2268958)						
Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	----
Aggregate Organics (QCLot: 2268870)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 2270089)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics (QCLot: 2270090)						
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	<5.0	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 2268690)									
pH	----	E108	----	pH units	7 pH units	101	98.0	102	----
Physical Tests (QCLot: 2271874)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	93.4	85.0	115	----
Aggregate Organics (QCLot: 2268870)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	94.6	85.0	115	----
Aggregate Organics (QCLot: 2270089)									
Oil & grease (gravimetric)	----	E567	5	mg/L	100 mg/L	76.4	70.0	130	----
Aggregate Organics (QCLot: 2270090)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	50 mg/L	75.9	70.0	130	----

ALS Canada Ltd.

right solutions.
right partner.

Quality Control Interpretive Report

Work Order	:	**YL2501115**		
Amendment	:	**1**		
Client	:	Nasittuq Corporation	Laboratory	: ALS Environmental - Yellowknife
Contact	:	Alaina Leslie	Account Manager	: Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 102-487 Range Lake Road Yellowknife NT Canada X1A 3R9
Telephone	:	613 223 0629	Telephone	: 7804136472
Project	:	NWS Sewage CAM-M	Date Samples Received	: 08-Oct-2025 09:30
PO	:	----	Issue Date	: 16-Dec-2025 08:16
C-O-C number	:	----		
Sampler	:	F.Aylward		
Site	:	----		
Quote number	:	NWS Sewage testing		
No. of samples received	:	4		
No. of samples analysed	:	4		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Laboratory Control Sample Duplicate (LCSD) outliers occur
- No Matrix Spike outliers occur.
- No Matrix Spike Duplicate (MSD) outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and/or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: Water

Evaluation: × = Holding time exceedance; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client sample ID	ALS Sample ID	QC Lot	Method	Sampling Date	Extraction / Preparation				Analysis			
					Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Aggregate Organics : Biochemical Oxygen Demand - 5 day												
HDPE [BOD HT-48h]												
ML-Main-Cycle-let Gen Chem and O&G	001	2268870	E550	07-Oct-2025	----	----	----		09-Oct-2025	48 hrs	54 hrs	× EHT
Aggregate Organics : Mineral Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
ML-Main-Cycle-let Gen Chem and O&G	001	2270090	E567SG	07-Oct-2025	10-Oct-2025	28 days	3 days	✓	10-Oct-2025	28 days	3 days	✓
Aggregate Organics : Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
ML-Main-Cycle-let Gen Chem and O&G	001	2270089	E567	07-Oct-2025	10-Oct-2025	28 days	3 days	✓	10-Oct-2025	28 days	3 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)												
Sterile HDPE (sodium thiosulfate)												
ML-Main-Cycle-let Faecal A	002	2268958	E010.FC	07-Oct-2025	----	----	----		10-Oct-2025	30 hrs	57 hrs	× EHTL
ML-Main-Cycle-let Faecal B	003	2268958	E010.FC	07-Oct-2025	----	----	----		10-Oct-2025	30 hrs	57 hrs	× EHTL
ML-Main-Cycle-let Faecal C	004	2268958	E010.FC	07-Oct-2025	----	----	----		10-Oct-2025	30 hrs	57 hrs	× EHTL

Matrix: Water

Evaluation: × = Holding time exceedance; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client sample ID	ALS Sample ID	QC Lot	Method	Sampling Date	Extraction / Preparation				Analysis			
					Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : pH by Meter												
HDPE												
ML-Main-Cycle-let Gen Chem and O&G	001	2268690	E108	07-Oct-2025	09-Oct-2025	0.25 hrs	55 hrs	× EHTR-FM	09-Oct-2025	0.25 hrs	55 hrs	× EHTR-FM
Physical Tests : TSS by Gravimetry												
HDPE												
ML-Main-Cycle-let Gen Chem and O&G	001	2271874	E160	07-Oct-2025	----	----	----		11-Oct-2025	7 days	4 days	✓

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.

EHT: Exceeded ALS recommended hold time prior to analysis.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: Water

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	Method	QC Lot #	QC	Regular	Actual	Expected	Evaluation
Laboratory Duplicates (DUP)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	2268958	1	8	12.5	10.0	✓
pH by Meter	E108	2268690	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	2271874	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2268870	1	14	7.1	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	2268690	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	2271874	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2268870	1	14	7.1	5.0	✓
Oil & Grease by Gravimetry	E567	2270089	1	12	8.3	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2270090	1	5	20.0	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	2268958	1	8	12.5	5.0	✓
TSS by Gravimetry	E160	2271874	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2268870	1	14	7.1	5.0	✓
Oil & Grease by Gravimetry	E567	2270089	1	12	8.3	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2270090	1	5	20.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Oil & Grease Extraction for Gravimetry	EP567 ALS Environmental - Yellowknife	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.
Preparation for Autotitrator	EP108-TITR ALS Environmental - Yellowknife	Water		Sample preparation for parameters analysed by Autotitrator
Analytical Methods	**Method / Lab**	**Matrix**	**Method Reference**	**Method Descriptions**
Animal & Vegetable Oil & Grease by Gravimetry	EC567A.SG ALS Environmental - Yellowknife	Water	APHA 5520 (mod)	Animal & vegetable oil and grease is calculated as follows: Oil & Grease (gravimetric) minus Mineral Oil & Grease (gravimetric)
Biochemical Oxygen Demand - 5 day	E550 ALS Environmental - Yellowknife	Water	APHA 5210 B (mod)	Samples are diluted and incubated for a specified time period, after which the oxygen depletion is measured using a dissolved oxygen meter. Free chlorine is a negative interference in the BOD method; please advise ALS when free chlorine is present in samples.
Mineral Oil & Grease by Gravimetry	E567SG ALS Environmental - Yellowknife	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane, followed by silica gel treatment after which the extract is evaporated to dryness. The residue is then weighed to determine Mineral Oil and Grease.
Oil & Grease by Gravimetry	E567 ALS Environmental - Yellowknife	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane and the extract is evaporated to dryness. The residue is then weighed to determine Oil and Grease.
pH by Meter	E108 ALS Environmental - Yellowknife	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC ALS Environmental - Yellowknife	Water	APHA 9223 (mod)	The enzyme substrate test detects Thermotolerant Coliforms in a 100 mL sample after an 18 hour incubation at 44.5 ±0.2°C.
TSS by Gravimetry	E160 ALS Environmental - Yellowknife	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here
(lab use only)

COC Number: 14 -

Page ____ of ____

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Nasittuq Corp	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Alaina Leslie	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	275 Slater St Ottawa ON K1P 5H9	☑ Criteria on Report - provide details below if box checked Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
Phone:	613-223-0629	Email 1 or Fax alaina.leslie@nasittuq.com	Specify Date Required for E2,E or P:
		Email 2 labresults@nasittuq.com	

Invoice To	Same as Report To ☐ Yes ☐ No	Invoice Distribution	
	Copy of Invoice with Report ☐ Yes ☐ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	
Company:		Email 1 or Fax labresults@nasittuq.com	
Contact:		Email 2 accounting@nasittuq.com	

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q89840	Approver ID:	Cost Center:
Job #:	NWS Sewage CAM-M	GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only)

ALS Contact: E. Dobbin **Sampler:** F.Aylward

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	BOD, pH, TSS	O&G	Faecal Coliforms			Number of Containers
	ML-Main - Cycle-let Gen Chem and O&G	07-Oct-25	9.00 am	Effluent	R	R				4
	ML-Main - Cycle-let Faecal A	07-Oct-25	9.00 am	Effluent			R			1
	ML-Main - Cycle-let Faecal B	07-Oct-25	9.00 am	Effluent			R			1
	ML-Main - Cycle-let Faecal C	07-Oct-25	9.00 am	Effluent			R			1

Environmental Division
Yellowknife
Work Order Reference
YL2501115

Telephone : +1 867 873 5593

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? ☐ Yes ☑ No Are samples for human drinking water use? ☐ Yes ☑ No	NWS Nunavut Water Board Licence Criteria

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen	☐	SIF Observations	Yes ☐	No ☐	
Ice packs	Yes ☐	No ☐	Custody seal intact	Yes ☐	No ☐
Cooling Initiated	☐				

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
2.7					

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: *	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:
				Oct 8/25	9:30			

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FM-0328e-v09 Front04 January 2014

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form.**

ALS Canada Ltd.

right solutions.
right partner.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**EO2510327**		
Client	:	**Nasittuq Corporation**	Laboratory	: ALS Environmental - Edmonton
Contact	:	Alaina Leslie	Account Manager	: Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	:	613 223 0629	Telephone	: 7804136472
Project	:	NWS SITE LSS-C-CAMBRIDGE BAY (SEWAGE)	Date Samples Received	: 07-Nov-2025 11:25
PO	:	88648	Date Analysis Commenced	: 07-Nov-2025
C-O-C number	:	----	Issue Date	: 16-Dec-2025 08:16
Sampler	:	----		
Site	:	----		
Quote number	:	NWS Sewage testing		
No. of samples received	:	4		
No. of samples analysed	:	4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Brayden Ginther	Laboratory Analyst	Inorganics, Edmonton, Alberta
Michelle Schroder	Laboratory Analyst	Inorganics, Edmonton, Alberta
Rosalie Van Deelen	Laboratory Assistant	Organics, Calgary, Alberta
Roseanne Drake	Lab Assistant	Microbiology, Edmonton, Alberta
Shruti Mudliar	Lab Analyst	Inorganics, Edmonton, Alberta

No Breaches Found

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key: LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
pH units	pH units

>: greater than.
<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).
For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Qualifiers

Qualifier	Description
MBHT	The APHA 30 hour holding time was exceeded for microbiological testing. Samples processed within 48 hours from time of sampling may be valid in some cases (refer to Health Canada guidance).

Analytical Results Evaluation

Matrix: Water			Client sample ID	Cycle-et Gen Chem and OGG ----	Cycle-let Fecal A ----	Cycle-let Fecal B ----	Cycle-let Fecal C ----	----	----	----
			Client sampling date / time	04-Nov-2025 12:10	04-Nov-2025 12:10	04-Nov-2025 12:10	04-Nov-2025 12:10	----	----	----
			Sub-Matrix	Water	Water	Water	Water	----	----	----
Analyte	*CAS Number*	*Method/Lab*	*Unit*	**EO2510327-001**	**EO2510327-002**	**EO2510327-003**	**EO2510327-004**	**----**	**----**	**----**
				Result	Result	Result	Result	----	----	----
Physical Tests										
pH	----	E108/EO	pH units	8.14	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/EO	mg/L	23.8	----	----	----	----	----	----
Microbiological Tests										
Coliforms, thermotolerant [fecal]	----	E010.FC/EO	MPN/100mL	----	816 MBHT	649 MBHT	411 MBHT	----	----	----
Aggregate Organics										
Biochemical oxygen demand [BOD]	----	E550/EO	mg/L	<2.0	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/CG	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/CG	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/CG	mg/L	<5.0	----	----	----	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Summary of Guideline Limits

ALS Canada Ltd.

QUALITY CONTROL REPORT

Work Order	: **EO2510327**	Page	: 1 of 4
Client	: Nasittuq Corporation	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton, Alberta Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS SITE LSS-C-CAMBRIDGE BAY (SEWAGE)	Date Samples Received	: 07-Nov-2025 11:25
PO	: 88648	Date Analysis Commenced	: 07-Nov-2025
C-O-C number	: ----	Issue Date	: 16-Dec-2025 08:15
Sampler	: ----		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Brayden Ginther	Laboratory Analyst	Edmonton Inorganics, Edmonton, Alberta
Michelle Schroder	Laboratory Analyst	Edmonton Inorganics, Edmonton, Alberta
Rosalie Van Deelen	Laboratory Assistant	Calgary Organics, Calgary, Alberta
Roseanne Drake	Lab Assistant	Edmonton Microbiology, Edmonton, Alberta
Shruti Mudliar	Lab Analyst	Edmonton Inorganics, Edmonton, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 2326059)											
EO2510268-001	Anonymous	pH	----	E108	0.10	pH units	8.14	8.18	0.490%	3%	----
Physical Tests (QC Lot: 2326712)											
EO2510274-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	12.0	12.2	0.2	Diff <2x LOR	----
Microbiological Tests (QC Lot: 2326066)											
EO2510314-002	Anonymous	Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	<1	0	Diff <2x LOR	----
Aggregate Organics (QC Lot: 2326895)											
EO2510252-002	Anonymous	Biochemical oxygen demand [BOD]	----	E550	2.0	mg/L	336	347	3.3%	30%	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 2326712)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests (QCLot: 2326066)						
Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	----
Aggregate Organics (QCLot: 2326895)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 2340565)						
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	<5.0	----
Aggregate Organics (QCLot: 2340566)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 2326059)									
pH	----	E108	----	pH units	6 pH units	102	97.0	103	----
Physical Tests (QCLot: 2326712)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	93.9	85.0	115	----
Aggregate Organics (QCLot: 2326895)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	91.1	85.0	115	----
Aggregate Organics (QCLot: 2340565)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	50 mg/L	85.1	70.0	130	----
Aggregate Organics (QCLot: 2340566)									
Oil & grease (gravimetric)	----	E567	5	mg/L	100 mg/L	104	70.0	130	----

ALS Canada Ltd.

right solutions.
right partner.

Quality Control Interpretive Report

Work Order	:	**EO2510327**		
Client	:	Nasittuq Corporation	Laboratory	: ALS Environmental - Edmonton
Contact	:	Alaina Leslie	Account Manager	: Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	:	613 223 0629	Telephone	: 7804136472
Project	:	NWS SITE LSS-C-CAMBRIDGE BAY (SEWAGE)	Date Samples Received	: 07-Nov-2025 11:25
PO	:	88648	Issue Date	: 16-Dec-2025 08:16
C-O-C number	:	----		
Sampler	:	----		
Site	:	----		
Quote number	:	NWS Sewage testing		
No. of samples received	:	4		
No. of samples analysed	:	4		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Laboratory Control Sample Duplicate (LCSD) outliers occur
- No Matrix Spike outliers occur.
- No Matrix Spike Duplicate (MSD) outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and/or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: Water

Evaluation: × = Holding time exceedance; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client sample ID	ALS Sample ID	QC Lot	Method	Sampling Date	Extraction / Preparation				Analysis			
					Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Aggregate Organics : Biochemical Oxygen Demand - 5 day												
HDPE [BOD HT-48h]												
Cycle-et Gen Chem and OGG	001	2326895	E550	04-Nov-2025	----	----	----		08-Nov-2025	48 hrs	94 hrs	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
Cycle-et Gen Chem and OGG	001	2340565	E567SG	04-Nov-2025	17-Nov-2025	28 days	13 days	✓	17-Nov-2025	28 days	13 days	✓
Aggregate Organics : Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
Cycle-et Gen Chem and OGG	001	2340566	E567	04-Nov-2025	17-Nov-2025	28 days	13 days	✓	17-Nov-2025	28 days	13 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)												
Sterile HDPE (sodium thiosulfate)												
Cycle-let Fecal A	002	2326066	E010.FC	04-Nov-2025	----	----	----		07-Nov-2025	30 hrs	73 hrs	× EHTR
Cycle-let Fecal B	003	2326066	E010.FC	04-Nov-2025	----	----	----		07-Nov-2025	30 hrs	73 hrs	× EHTR
Cycle-let Fecal C	004	2326066	E010.FC	04-Nov-2025	----	----	----		07-Nov-2025	30 hrs	73 hrs	× EHTR

Matrix: Water

Evaluation: × = Holding time exceedance; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client sample ID	ALS Sample ID	QC Lot	Method	Sampling Date	Extraction / Preparation				Analysis			
					Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
						Rec	Actual			Rec	Actual	
Physical Tests : pH by Meter												
HDPE												
Cycle-et Gen Chem and OGG	001	2326059	E108	04-Nov-2025	08-Nov-2025	0.25 hrs	76 hrs	× EHTR-FM	08-Nov-2025	0.25 hrs	77 hrs	× EHTR-FM
Physical Tests : TSS by Gravimetry												
HDPE												
Cycle-et Gen Chem and OGG	001	2326712	E160	04-Nov-2025	----	----	----		10-Nov-2025	7 days	6 days	✓

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: Water

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	Method	QC Lot #	QC	Regular	Actual	Expected	Evaluation
Laboratory Duplicates (DUP)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	2326066	1	10	10.0	5.0	✓
pH by Meter	E108	2326059	1	6	16.7	5.0	✓
TSS by Gravimetry	E160	2326712	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2326895	1	19	5.3	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	2326059	1	6	16.7	5.0	✓
TSS by Gravimetry	E160	2326712	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2326895	1	19	5.3	5.0	✓
Oil & Grease by Gravimetry	E567	2340566	1	8	12.5	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2340565	1	5	20.0	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	2326066	1	10	10.0	5.0	✓
TSS by Gravimetry	E160	2326712	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2326895	1	19	5.3	5.0	✓
Oil & Grease by Gravimetry	E567	2340566	1	8	12.5	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2340565	1	5	20.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Animal & Vegetable Oil & Grease by Gravimetry	EC567A.SG ALS Environmental - Edmonton	Water	APHA 5520 (mod)	Animal & vegetable oil and grease is calculated as follows: Oil & Grease (gravimetric) minus Mineral Oil & Grease (gravimetric)
Biochemical Oxygen Demand - 5 day	E550 ALS Environmental - Edmonton	Water	APHA 5210 B (mod)	Samples are diluted and incubated for a specified time period, after which the oxygen depletion is measured using a dissolved oxygen meter. Free chlorine is a negative interference in the BOD method; please advise ALS when free chlorine is present in samples.
Mineral Oil & Grease by Gravimetry	E567SG ALS Environmental - Edmonton	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane, followed by silica gel treatment after which the extract is evaporated to dryness. The residue is then weighed to determine Mineral Oil and Grease.
Oil & Grease by Gravimetry	E567 ALS Environmental - Edmonton	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane and the extract is evaporated to dryness. The residue is then weighed to determine Oil and Grease.
pH by Meter	E108 ALS Environmental - Edmonton	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC ALS Environmental - Edmonton	Water	APHA 9223 (mod)	The enzyme substrate test detects Thermotolerant Coliforms in a 100 mL sample after an 18 hour incubation at 44.5 ±0.2°C.
TSS by Gravimetry	E160 ALS Environmental - Edmonton	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.
Preparation Methods	**Method / Lab**	**Matrix**	**Method Reference**	**Method Descriptions**
Oil & Grease Extraction for Gravimetry	EP567 ALS Environmental - Edmonton	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.
Preparation for Autotitrator	EP108-TITR ALS Environmental - Edmonton	Water		Sample preparation for parameters analysed by Autotitrator

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

COC Number: 22 -

Page of

Report To	Contact and company name below will appear on the final report
Company:	Nasittuq Corporation - NATT100
Contact:	Alain Leslie
Phone:	613-223-0629
	Company address below will appear on the final report
Street:	360 Albert Street, Suite 1830
City/Province:	Ottawa, ON
Postal Code:	K1R 7X7
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Project Information	
ALS Account # / Quote #:	WT2023NATT1000004
Job #:	NWS SITE LSS-C - CAMBRIDGE BAY (SEWAGE)
PO / AFE:	88648
LSD:	

ALS Lab Work Order # (ALS use only): E02510327

Reports / Recipients

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Merge QC/QCI Reports with COA ☐ YES ☐ NO ☐ N/A

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax: alaina.leslie@nasittuq.com

Email 2: labresults@nasittuq.com

Email 3:

Invoice Recipients

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax: labresults@nasittuq.com

Email 2: accounting@nasittuq.com

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Contact: Costas Farassoglou Sampler:

Turnaround Time (TAT) Requested

☑ Routine [R] if received by 3pm M-F - no surcharges apply

☐ 4 day [P4] if received by 3pm M-F - 20% rush surcharge minimum

☐ 3 day [P3] if received by 3pm M-F - 25% rush surcharge minimum

☐ 2 day [P2] if received by 3pm M-F - 50% rush surcharge minimum

☐ 1 day [E] if received by 3pm M-F - 100% rush surcharge minimum

☐ Same day [E2] if received by 10am M-S - 200% rush surcharge.

Additional fees may apply to rush requests on weekends, statutory holidays and for non-routine tests.

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm am/pm

For all tests with rush TATs requested, please contact your AM to confirm availability.

AFFIX ALS BARCODE LABEL HERE (ALS use only)

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (ALS use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BOD	pH	TSS	OGG	Fecal Coliforms			HOLD	EXTENDED STORAGE REQUIRED	SUSPECTED HAZARD (see notes)
	_____ - Cycle-et Gen Chem and OGG	4 11 25	12:10 p	EFFLUENT	4	R	R	R	R						
	_____ - Cycle-let Fecal A	4 11 25	12:10 p	EFFLUENT	1					R					
	_____ - Cycle-let Fecal B	4 11 25	12:10 p	EFFLUENT	1					R					
	_____ - Cycle-let Fecal C	4 11 25	12:10	EFFLUENT	1					R					

Environmental Division
Edmonton
Work Order Reference
EO2510327

Telephone : +1 780 413 5227

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only)

SAMPLE RECEIPT DETAILS (ALS use only)

Cooling Method: ☐ NONE ☐ ICE ☑ ICE PACKS ☐ FROZEN ☐ COOLING INITIATED

Submission Comments identified on Sample Receipt Notification: ☐ YES ☐ NO

Cooler Custody Seals Intact: ☐ YES ☐ N/A Sample Custody Seals Intact: ☐ YES ☐ N/A

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
15.6							

SHIPMENT RELEASE (client use)

Released by:	Date:	Time:
PATRICK BEAUCHE	4 / 11 / 25	12:40

INITIAL SHIPMENT RECEPTION (ALS use only)

Received by:	Date:	Time:
KR	7-NOV-25	11:25

FINAL SHIPMENT RECEPTION (ALS use only)

Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

FEB 2022 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

ALS Canada Ltd.

right solutions.
right partner.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**EO2511044**		
Client	:	**Nasittuq Corporation**	Laboratory	: ALS Environmental - Edmonton
Contact	:	Alaina Leslie	Account Manager	: Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	:	613 223 0629	Telephone	: 7804136472
Project	:	NWS Sewage CAM-M	Date Samples Received	: 04-Dec-2025 10:35
PO	:	----	Date Analysis Commenced	: 04-Dec-2025
C-O-C number	:	----	Issue Date	: 16-Dec-2025 08:15
Sampler	:	FA		
Site	:	----		
Quote number	:	NWS Sewage testing		
No. of samples received	:	4		
No. of samples analysed	:	4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Leah Yee	Lab Assistant	Inorganics, Edmonton, Alberta
Michelle Schroder	Laboratory Analyst	Inorganics, Edmonton, Alberta
Rosalie Van Deelen	Laboratory Assistant	Organics, Calgary, Alberta
Roseanne Drake	Lab Assistant	Microbiology, Edmonton, Alberta
Shruti Mudliar	Lab Analyst	Inorganics, Edmonton, Alberta

No Breaches Found

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key: LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
pH units	pH units

>: greater than.
<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).
For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Qualifiers

Qualifier	Description
MBHT	The APHA 30 hour holding time was exceeded for microbiological testing. Samples processed within 48 hours from time of sampling may be valid in some cases (refer to Health Canada guidance).

Analytical Results Evaluation

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	ML-Main-Cycle-let Gen Chem and O&G ----	ML-Main-Cycle-let Faecal A ----	ML-Main-Cycle-let Faecal B ----	ML-Main-Cycle-let Faecal C ----	----	----	----
				Client sampling date / time	02-Dec-2025 09:00	02-Dec-2025 09:00	02-Dec-2025 09:00	02-Dec-2025 09:00	----	----	----
				Sub-Matrix	Water	Water	Water	Water	----	----	----
					EO2511044-001	EO2511044-002	EO2511044-003	EO2511044-004	----	----	----
					Result	Result	Result	Result	----	----	----
Physical Tests											
pH	----	E108/EO	pH units		7.66	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/EO	mg/L		<3.0	----	----	----	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	E010.FC/EO	MPN/100mL		----	26 MBHT	14 MBHT	31 MBHT	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	E550/EO	mg/L		<2.0	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/CG	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/CG	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/CG	mg/L		<5.0	----	----	----	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Summary of Guideline Limits

QUALITY CONTROL REPORT

Work Order	: **EO2511044**	Page	: 1 of 4
Client	: Nasittuq Corporation	Laboratory	: ALS Environmental - Edmonton
Contact	: Alaina Leslie	Account Manager	: Dana Brown
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton, Alberta Canada T6N 1M9
Telephone	: 613 223 0629	Telephone	: 7804136472
Project	: NWS Sewage CAM-M	Date Samples Received	: 04-Dec-2025 10:35
PO	: ----	Date Analysis Commenced	: 04-Dec-2025
C-O-C number	: ----	Issue Date	: 16-Dec-2025 08:15
Sampler	: FA		
Site	: ----		
Quote number	: NWS Sewage testing		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Leah Yee	Lab Assistant	Edmonton Inorganics, Edmonton, Alberta
Michelle Schroder	Laboratory Analyst	Edmonton Inorganics, Edmonton, Alberta
Rosalie Van Deelen	Laboratory Assistant	Calgary Organics, Calgary, Alberta
Roseanne Drake	Lab Assistant	Edmonton Microbiology, Edmonton, Alberta
Shruti Mudliar	Lab Analyst	Edmonton Inorganics, Edmonton, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 2370142)											
EO2511057-002	Anonymous	pH	----	E108	0.10	pH units	7.45	7.44	0.134%	3%	----
Physical Tests (QC Lot: 2370896)											
EO2511029-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	108	110	1.47%	20%	----
Microbiological Tests (QC Lot: 2370008)											
EO2511027-002	Anonymous	Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	<1	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 2370896)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests (QCLot: 2370008)						
Coliforms, thermotolerant [fecal]	----	E010.FC	1	MPN/100mL	<1	----
Aggregate Organics (QCLot: 2369728)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 2379579)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics (QCLot: 2379580)						
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	<5.0	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 2370142)									
pH	----	E108	----	pH units	6 pH units	100	97.0	103	----
Physical Tests (QCLot: 2370896)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	99.0	85.0	115	----
Aggregate Organics (QCLot: 2369728)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	97.8	85.0	115	----
Aggregate Organics (QCLot: 2379579)									
Oil & grease (gravimetric)	----	E567	5	mg/L	100 mg/L	91.8	70.0	130	----
Aggregate Organics (QCLot: 2379580)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	50 mg/L	78.3	70.0	130	----

ALS Canada Ltd.

right solutions.
right partner.

Quality Control Interpretive Report

Work Order	:	**EO2511044**		
Client	:	Nasittuq Corporation	Laboratory	: ALS Environmental - Edmonton
Contact	:	Alaina Leslie	Account Manager	: Dana Brown
Address	:	275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	:	613 223 0629	Telephone	: 7804136472
Project	:	NWS Sewage CAM-M	Date Samples Received	: 04-Dec-2025 10:35
PO	:	----	Issue Date	: 16-Dec-2025 08:15
C-O-C number	:	----		
Sampler	:	FA		
Site	:	----		
Quote number	:	NWS Sewage testing		
No. of samples received	:	4		
No. of samples analysed	:	4		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Laboratory Control Sample Duplicate (LCSD) outliers occur
- No Matrix Spike outliers occur.
- No Matrix Spike Duplicate (MSD) outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist.

Outliers : Frequency of Quality Control Samples

- Quality Control Sample Frequency Outliers occur - please see following pages for full details.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and/or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: Water

Evaluation: × = Holding time exceedance; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client sample ID	ALS Sample ID	QC Lot	Method	Sampling Date	Extraction / Preparation				Analysis			
					Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Aggregate Organics : Biochemical Oxygen Demand - 5 day												
HDPE [BOD HT-48h]												
ML-Main-Cycle-let Gen Chem and O&G	001	2369728	E550	02-Dec-2025	----	----	----		04-Dec-2025	48 hrs	53 hrs	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
ML-Main-Cycle-let Gen Chem and O&G	001	2379580	E567SG	02-Dec-2025	11-Dec-2025	28 days	9 days	✓	11-Dec-2025	28 days	9 days	✓
Aggregate Organics : Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
ML-Main-Cycle-let Gen Chem and O&G	001	2379579	E567	02-Dec-2025	11-Dec-2025	28 days	9 days	✓	11-Dec-2025	28 days	9 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (Enzyme Substrate)												
Sterile HDPE (sodium thiosulfate)												
ML-Main-Cycle-let Faecal A	002	2370008	E010.FC	02-Dec-2025	----	----	----		04-Dec-2025	30 hrs	55 hrs	× EHTR
ML-Main-Cycle-let Faecal B	003	2370008	E010.FC	02-Dec-2025	----	----	----		04-Dec-2025	30 hrs	55 hrs	× EHTR
ML-Main-Cycle-let Faecal C	004	2370008	E010.FC	02-Dec-2025	----	----	----		04-Dec-2025	30 hrs	55 hrs	× EHTR

Matrix: Water

Evaluation: × = Holding time exceedance; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client sample ID	ALS Sample ID	QC Lot	Method	Sampling Date	Extraction / Preparation				Analysis			
					Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
						Rec	Actual			Rec	Actual	
Physical Tests : pH by Meter												
HDPE												
ML-Main-Cycle-let Gen Chem and O&G	001	2370142	E108	02-Dec-2025	05-Dec-2025	0.25 hrs	56 hrs	× EHTR-FM	05-Dec-2025	0.25 hrs	56 hrs	× EHTR-FM
Physical Tests : TSS by Gravimetry												
HDPE												
ML-Main-Cycle-let Gen Chem and O&G	001	2370896	E160	02-Dec-2025	----	----	----		06-Dec-2025	7 days	4 days	✓

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: Water

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	Method	QC Lot #	QC	Regular	Actual	Expected	Evaluation
Laboratory Duplicates (DUP)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	2370008	1	17	5.9	5.0	✓
pH by Meter	E108	2370142	1	4	25.0	5.0	✓
TSS by Gravimetry	E160	2370896	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2369728	0	15	0.0	5.0	×
Laboratory Control Samples (LCS)							
pH by Meter	E108	2370142	1	4	25.0	5.0	✓
TSS by Gravimetry	E160	2370896	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2369728	1	15	6.7	5.0	✓
Oil & Grease by Gravimetry	E567	2379579	1	8	12.5	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2379580	1	8	12.5	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC	2370008	1	17	5.9	5.0	✓
TSS by Gravimetry	E160	2370896	1	20	5.0	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2369728	1	15	6.7	5.0	✓
Oil & Grease by Gravimetry	E567	2379579	1	8	12.5	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2379580	1	8	12.5	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Animal & Vegetable Oil & Grease by Gravimetry	EC567A.SG ALS Environmental - Edmonton	Water	APHA 5520 (mod)	Animal & vegetable oil and grease is calculated as follows: Oil & Grease (gravimetric) minus Mineral Oil & Grease (gravimetric)
Biochemical Oxygen Demand - 5 day	E550 ALS Environmental - Edmonton	Water	APHA 5210 B (mod)	Samples are diluted and incubated for a specified time period, after which the oxygen depletion is measured using a dissolved oxygen meter. Free chlorine is a negative interference in the BOD method; please advise ALS when free chlorine is present in samples.
Mineral Oil & Grease by Gravimetry	E567SG ALS Environmental - Edmonton	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane, followed by silica gel treatment after which the extract is evaporated to dryness. The residue is then weighed to determine Mineral Oil and Grease.
Oil & Grease by Gravimetry	E567 ALS Environmental - Edmonton	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane and the extract is evaporated to dryness. The residue is then weighed to determine Oil and Grease.
pH by Meter	E108 ALS Environmental - Edmonton	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Thermotolerant (Fecal) Coliform (Enzyme Substrate)	E010.FC ALS Environmental - Edmonton	Water	APHA 9223 (mod)	The enzyme substrate test detects Thermotolerant Coliforms in a 100 mL sample after an 18 hour incubation at 44.5 ±0.2°C.
TSS by Gravimetry	E160 ALS Environmental - Edmonton	Water	APHA 2540 D (mod)	Total Suspended Solids (TSS) are determined by filtering a sample through a glass fibre filter, following by drying of the filter at 104 ± 1°C, with gravimetric measurement of the filtered solids. Samples containing very high dissolved solid content (i.e. seawaters, brackish waters) may produce a positive bias by this method. Alternate analysis methods are available for these types of samples.
Preparation Methods	**Method / Lab**	**Matrix**	**Method Reference**	**Method Descriptions**
Oil & Grease Extraction for Gravimetry	EP567 ALS Environmental - Edmonton	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.
Preparation for Autotitrator	EP108-TITR ALS Environmental - Edmonton	Water		Sample preparation for parameters analysed by Autotitrator

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 14 -

Page ____ of ____

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Nasittuq Corp	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Alaina Leslie	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	275 Slater St Ottawa ON K1P 5H9	☑ Criteria on Report - provide details below if box checked Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
Phone:	613-223-0629	Email 1 or Fax alaina.leslie@nasittuq.com	Specify Date Required for E2,E or P:
		Email 2 labresults@nasittuq.com	Analysis Request

Invoice To	Same as Report To ☐ Yes ☐ No	Invoice Distribution	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
	Copy of Invoice with Report ☐ Yes ☐ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	
Company:		Email 1 or Fax labresults@nasittuq.com	
Contact:		Email 2 accounting@nasittuq.com	

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q89840	Approver ID:	Cost Center:
Job #:	NWS Sewage CAM-M	GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only): EO2511644 **ALS Contact:** E. Dobbin **Sampler:** F.Aylward

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	BOD, pH, TSS	O&G	Faecal Coliforms			Number of Containers
	ML-Main - Cycle-let Gen Chem and O&G	02-Dec-25	9.00 am	Effluent	R	R				4
	ML-Main - Cycle-let Faecal A	02-Dec-25	9.00 am	Effluent			R			1
	ML-Main - Cycle-let Faecal B	02-Dec-25	9.00 am	Effluent			R			1
	ML-Main - Cycle-let Faecal C	02-Dec-25	9.00 am	Effluent			R			1

Environmental Division
Edmonton
Work Order Reference
EO2511044

Telephone: +1 780 413 5227

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? ☐ Yes ☑ No Are samples for human drinking water use? ☐ Yes ☑ No	NWS Nunavut Water Board Licence Criteria

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen	☐	SIF Observations	Yes ☐	No	☑
Ice packs	Yes ☐	No ☒	Custody seal intact	Yes ☐	No ☐
Cooling Initiated	☐				

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
9.1					

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: *	Date:	Time:	Received by: MK	Date: 4/12/25	Time: 10:35	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION WHITE - LABORATORY COPY YELLOW - CLIENT COPY NA-FM-0326e v09 Front004 January 2014

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ANNEX D. LOCATION OF BERMED FUEL STORAGE FACILITIES

Table D-2 contains the locations and sampling dates for the wastewater discharged from the bermed fuel storage facilities.

Table D-2: Analysis of Berm Water at CAM-M in 2025

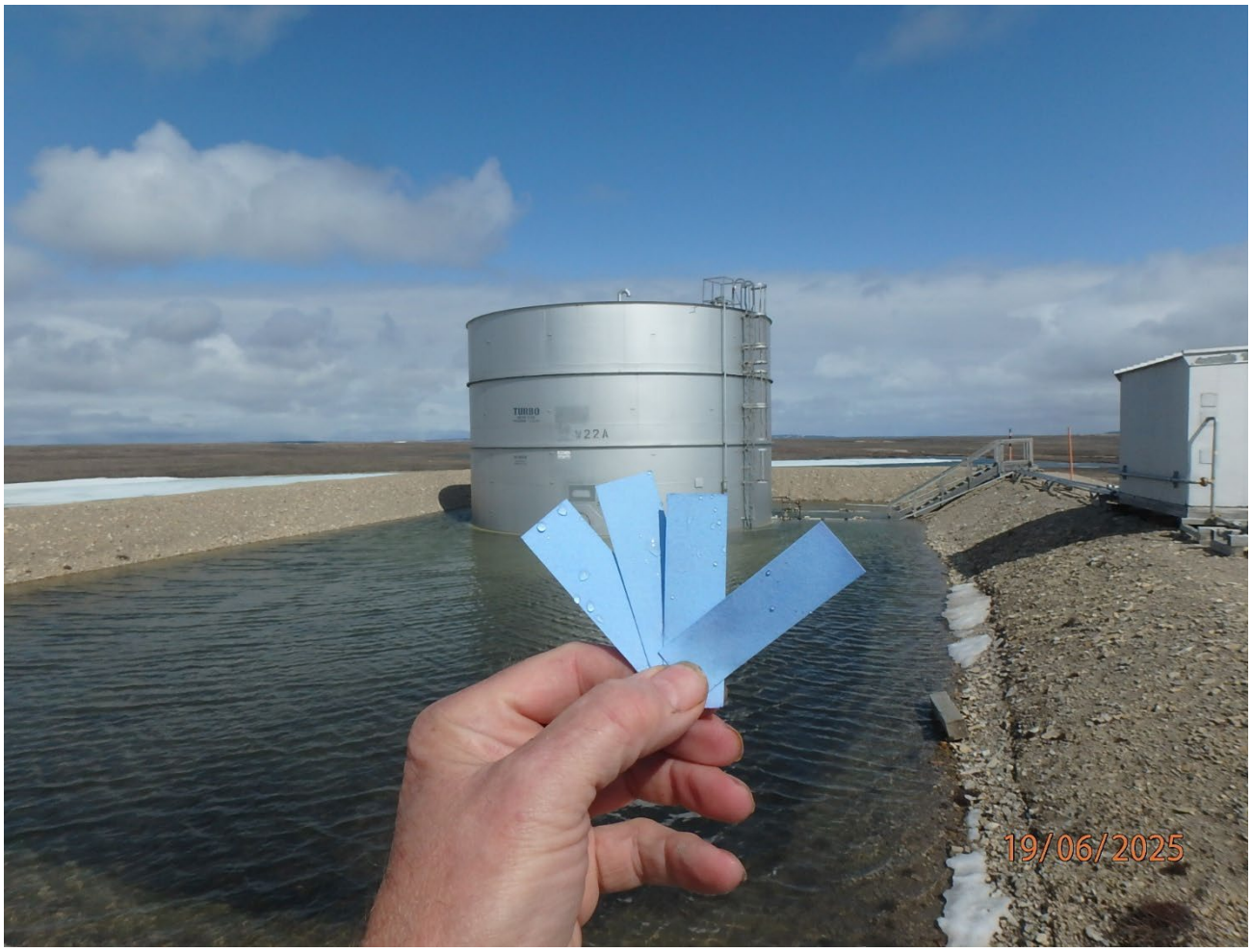
Berm	Location on-site	Discharge Latitude[2]	Discharge Longitude	Date
CAM W22A	Summit	69° 07'02.76"N	105° 07'02.69"W	June-2025
CAM W20B & W20C	Airstrip	69° 06'12.01"N	105° 07'36.60"W	June-2025
CAM W22C & W20D	Beach	69° 06'11.41"N	105° 05'50.26"W	June-2025

[2] Final discharge point of bermed fuel storage facility

ANNEX E. ANALYSIS OF BERM WATER [3]

The berm water at CAM-M was tested using hydrocarbon test strips as per the approved QA/QC Plan for Berm Water Sampling as stated in the water licence 8BC-CAM1929, PART D, Item 11. The photo log of the hydrocarbon test strips is included below.

Photo Log



June 19 2025 - W22A

[3] Effluent from bermed fuel storage facilities.

June 19 2025 - W20B & W20C

June 19 2025 - CAM W22C & W20D

ANNEX F. MONITORING ACTIVITIES

n/a