2025 FOX-M ANNUAL NUNAVUT WATER BOARD REPORT

FOR THE

NORTH WARNING SYSTEM

Contract # W8485-157352/001/NX
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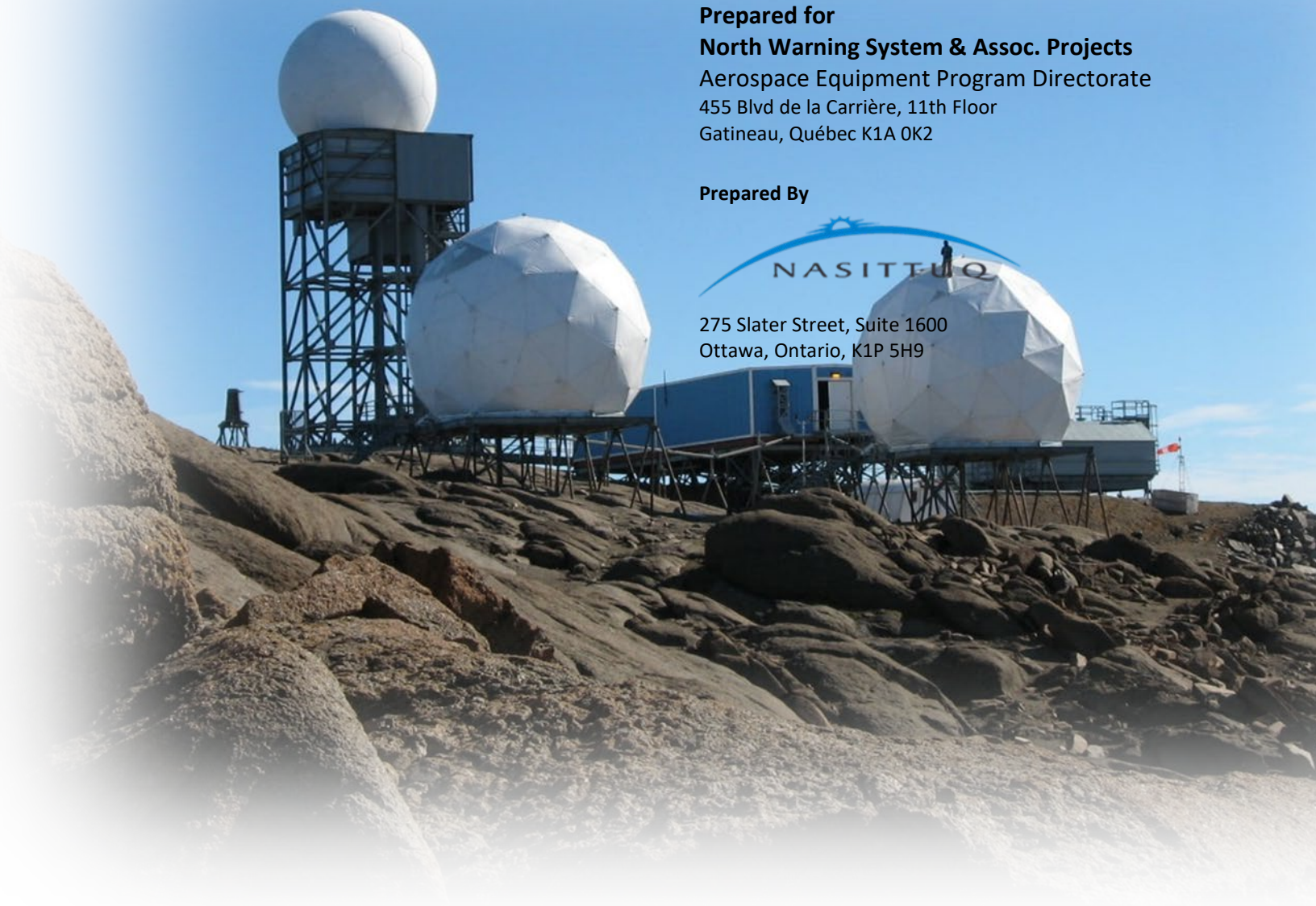

Prepared for
North Warning System & Assoc. Projects
Aerospace Equipment Program Directorate
455 Blvd de la Carrière, 11th Floor
Gatineau, Québec K1A 0K2

Prepared By

NASITTUQ

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

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Executive Summary in English Follows

FOX-M ᐊᐅᓚᑦᑎᔨᓂᙳᖅᑐᑦ ᓇᐃᓈᖅᓯᐋᑦ

ᑖᓐᓇ 2025–ᒥ ᐊᕐᕋᒍᑕᒫᖅᓯᐅᑦ ᐅᓂᒃᑳᓕᐊᖅ ᓄᓇᕗᒻᒥ ᐃᒪᓕᕆᔨᑦ ᑲᑎᒪᔨᖏᓐᓄᑦ (NWB) ᐱᕚᔭᖅᑕᐅᓚᐅᖅᑐᖅ ᓇᓯᑦᑐᕐᒧᑦ ᐅᓇᑕᖅᑐᒃᓵᓕᕆᔾᑯᓐᓄᑦ (DND) ᑎᑭᐅᒪᕐᑯᓪᓗᒋᑦ ᐊᑐᕆᐊᓕᖏᑦ ᐃᓚᖓ B "ᑕᒪᐃᓐᓄᑦ ᖃᓄᐃᓕᖓᓂᖏᑦ", ᑎᑎᕋᖅᓯᒪᓂᓪᒃ 1 ᓚᐃᓵᓯᖓᓂ 8BC-FOH1929. ᑖᓐᓇ ᐅᓂᒃᑳᖅ ᐱᔾᔪᑎᖃᖅᐳᖅ ᔭᓄᐊᕆ 1–ᒥᑦ ᑎᓯᐱᕆ 31, 2025–ᒧᑦ. ᓇᓯᑦᑐᖅ ᐊᐅᓚᑦᑎᓂᕐᒧᑦ ᑲᒪᒋᔭᖃᕐᓂᕐᒨᓗ (O&M) ᑳᓐᑐᕆᑦᑎᑦᑎᔨᐅᕗᖅ ᐅᑭᐅᖅᑕᖅᑐᒥ ᐅᔾᔨᖅᓱᕐᑯᔨᓂᕐᒧᑦ ᐊᑐᖅᑕᐅᕙᒃᑐᒥᒃ (NWS), ᐃᓚᒋᔭᐅᓪᓗᓂ FOX-M, NWS–ᑯᑦ ᖃᐅᔨᓴᖅᓯᓂᕐᒧᑦ ᐃᓂᒋᔭᖓ ᐃᓂᖃᖅᑐᖅ ᓴᓂᕋᔭᖕᒥ, ᓄᓇᕗᒻᒥ. ᐃᒪᕐᒥᒃ ᐊᑐᕐᓂᖅ FOX-M 2025-ᒥ 804.1 ᑭᐸᓛᓇᒃᑐᑦ ᒦᑕᑦ, 2.2 ᑭᐸᓛᓇᒃᑐᑦ ᒦᑕᑦ ᖃᐅᑕᒫᑦ. ᐃᒪᕐᒥᒃ ᐊᑐᕐᓂᕐᒧᑦ ᑭᓪᓕᖃᖠᖏᑦᑐᖅ ᓚᐃᓵᓯᒥ ᕚᒃᓴ-M–ᒧᑦ. ᑭᓈᓗᖃᕐᕕᒃ FOX-M ᐱᓕᕆᐊᖑᓚᐅᖅᐳᖅ ᐱᖓᔪᖓᓐᓂ ᐃᒋᑕᐅᔪᖅ ᐃᒪᕐᒥᒃ ᓴᓗᒪᖕᓴᐃᕝᕕᖕᒧᑦ. ᐃᓚᖏᑦ ᓴᓗᒪᖕᓴᖅᑕᐅᓯᒪᔪᑦ ᑯᕕᑎᑕᐅᔪᑦ ᐊᑐᒃᑲᓂᖅᑎᑕᐅᕝᐳᑦ ᕐᑯᐃᕝᕕᖕᒧᑦ/ᕐᑯᕐᕕᖕᒧᑦ ᑯᕕᑦᑎᔾᔪᑕᐅᓪᓗᓂ. ᓴᓗᒪᖕᓴᖅᑕᐅᓯᒪᔪᖅ ᑭᓈᓗᖃᕐᕕᒃ ᖃᐅᔨᓴᖅᑕᐅᖃᑦᑕᓚᐅᖅᑐᖅ ᑕᖅᑭᑕᒫᑦ. ᖃᐅᔨᓴᕈᒃᓴᑦ ᐃᒪᐅᑉ ᐃᓗᐊᓃᑦᑐᑦ ᐊᕙᓗᓕᖅᓯᒪᔪᓂ ᐅᖅᓱᐊᓗᖃᐅᑎᖃᕐᕕᖓᓂ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᐳᑦ ᐃᓂᒋᔭᖓᓂ ᐊᑐᖅᓱᑎᒃ ᐅᖅᓱᐊᓗᒃᓯᒥᒃ ᖃᐅᔨᓴᕈᑎᓂᒃ ᓇᓗᓇᐃᖅᑕᐅᓪᓗᓂᓗ ᑯᕕᑎᑕᐅᔪᑦ ᐱᐅᓂᖓᑕ ᑭᒡᓕᖓᓃᓐᓂᖏᓐᓂᒃ ᓄᓇᕗᒻᒥ ᐃᒪᓕᕆᔨᒃᑯᑦ ᑲᑎᒪᔨᖏᑕ ᐱᔪᓐᓇᐅᑎᖓᓂ ᐃᒪᖅ ᑯᕕᑎᑕᐅᓚᐅᙱᓐᓂᖓᓂ. ᐅᓗᕆᐊᓇᖅᑐᑦ ᐊᒃᑕᑯᑦ, ᐃᓚᐅᓪᓗᑎᒃ ᐅᖅᓱᖅᑎᕈᑎᕚᓃᑦ, ᐊᐅᓪᓚᖅᑎᑕᐅᓚᐅᖅᑐᑦ ᐊᖏᖅᑕᐅᓯᒪᔪᒧᑦ ᐅᓗᕆᐊᓇᖅᑐᓄᑦ ᐊᒃᑕᕐᕕᖕᒧᑦ ᓄᓇᕘᑉ ᓯᓚᑖᓄᑦ ᐱᔭᕆᐊᖃᖅᑎᑕᐅᔪᖅ ᓚᐃᓵᓯᒧᑦ. ᐊᑦᑕᕐᓇᖅᑐᑦ ᐊᒃᑕᑯᑦ 84–ᖑᓚᐅᖅᐳᑦ ᖃᑦᑕᐅᔭᕐᔪᐊᑦ ᐊᔾᔨᒌᙱᑦᑑᑎᓂᒃ ᐊᒃᑕᑯᓂᒃ (ᐅᖅᓱᖅ, ᐅᖅᓱᐊᓗᒃ, ᓂᒡᓕᓇᖅᑐᖅ, ᐊᓯᖏᓪᓗ), 12 ᐳᖅᓯᒪᔪᑦ ᐅᐊᔭᒨᖅᑐᑦ ᐊᒃᑕᑯᑦ ᐊᒻᒪ ᐹᑕᓖᖏᑦ. ᕐᑯᐊᖅᑲᕐᓇᙱᑦᑐᑦ ᐊᖏᕐᕋᕆᔭᐅᔪᓂ ᐊᒃᑕᑯᑦ ᐃᒋᑕᐅᓚᐅᖅᐳᑦ ᓄᓇᓕᖕᓂ ᐊᒃᑕᕐᕕᖕᒧᑦ ᑳᓐᑐᕆᒃᑕᐅᓯᒪᓪᓗᑎᒃ Hᐋᓪᓚᒋᔭᐅᔪᒧᑦ ᓴᓂᕋᔭᖕᒥᐅᓄᑦ (ᓴᓂᕋᔭᖕᒥ). ᓇᓯᑦᑐᖅ ᑎᑎᕋᖅᓯᓯᒪᕗᖅ ᐱᔾᔪᓇᖅᑎᑕᐅᓂᕐᒥᒃ ᓄᓇᓕᖕᒥᐅᓂᑦ ᐱᓂᐊᕐᓗᓂ ᐊᒃᑕᑯᓂᒃ. ᒪᕐᑮᖕᓂᒃ ᑯᕕᔪᖃᓚᐅᖅᐳᖅ ᐊᕙᑎᒧᑦ FOX-M 2025-ᒥ. ᑯᕕᔪᖃᕐᓂᖅᐸᑦ ᐅᐸᓗᖓᐃᔭᖅᓯᒪᓂᕐᒧᑦ ᐸᕐᓇᐅᑎ ᐊᑐᓕᖅᑎᑕᐅᑦᑎᐊᓚᐅᖅᐳᖅ, ᓄᑖᙳᕆᐊᖅᑎᑕᐅᓪᓗᓂᓗ 27-ᒫᑦᓯ-2026-ᒥ. 2025-ᒥ ᐅᑎᖅᑎᑦᑎᕙᓪᓕᐊᓂᕐᒧᑦ ᐱᓕᕆᔪᖃᓚᐅᙱᑦᑐᖅ..

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-FOH1929. 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 FOX-M, the NWS radar site located at Sanirajak (Hall Beach), Nunavut.

The water usage at FOX-M in 2025 was 804.1 cubic metres, which is an average of 2.2 cubic metres per day. There is no water usage limit in the licence for FOX-M.

Sewage at FOX-M was processed by the tertiary wastewater treatment system. Some of the treated effluent is recycled as on-site urinal/toilet flush water. The treated sewage was sampled monthly.

Samples of the water contained in the berms of fuel storage facilities was tested on-site using hydrocarbon test strips and confirmed to be within effluent quality limits of the NWB licence before the water was discharged.

Hazardous waste, including waste oil, was sent to an approved hazardous waste disposal site outside of Nunavut as required by the licence. The hazardous waste consisted of 84 drums of assorted waste (oil, fuel, glycol, etc.), 12 crates of e-waste and waste batteries.

Non-hazardous domestic solid waste was disposed of at the local landfill through a contract with the Hamlet of Sanirajak (Hall Beach). Nasittuq has documented authorization from the community for receiving the waste.

Two spills to the environment occurred at FOX-M in 2025.

The Spill Contingency Plan was successfully implemented, and updated on 27-Mar-2026.

No progressive reclamation work was undertaken in 2025.

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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-FOH1929 issued 01 September 2019. This report covers 01 January to 31 December 2025.

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

FOX-M is a North Warning System radar site located at Sanirajak (Hall Beach), Nunavut. The site is staffed year-round.

1.1 Report Details

Licensee:	Department of National Defence, Government of Canada
Licence:	8BC-FOH1929 – Type "B"
Location:	FOX-M North Warning System Site, Sanirajak (Hall Beach), Qikiqtani 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 at FOX-M in 2025 was **804.1 cubic metres**, which is an average of **2.2 cubic metres** per day. See Table 2-1 for the volume of water drawn at FOX-M each month in 2025.

There is no water usage limit in the licence for FOX-M because water is drawn from an artificial (man-made) reservoir and not from a natural source.

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

Month	Raw water usage (m^3)
January	73
February	55
March	70.5
April	83
May	71
June	70.6
July	59
August	58
September	88
October	69
November	55.5
December	51.5
TOTAL	**804.1**

3.0 TREATED SEWAGE DISCHARGE

At FOX-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 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 (FOH-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 FOX-M in 2025

Month	Volume of sewage and greywater treated then discharged or recycled (m^3)
January	73
February	55
March	70.5
April	83
May	71
June	70.6
July	59
August	58
September	88
October	69
November	55.5
December	51.5
TOTAL	**804.1**

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 FOX-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 shipping documents including the completed movement documents for waste regulated under the XBR and non-regulated waste.

The hazardous waste shipped from FOX-M in 2025 consisted of **84 drums** of various hazardous waste (waste oil, waste oil filters etc.), and **12 crates** of e-waste and batteries.

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

TDG shipping name	Description	Manifest # (TCN)	Movement Document	Quantity
Not Regulated	E-waste, Not regulated	47986, 49719	OC01487-3	2 Crates
Not Regulated	Waste Dry Batteries Not TDG Regulated	51207	OD1487-2	1 Crate
Waste batteries, lithium	Waste batteries, lithium	51204	OD1487-2	1 Crate
Waste batteries, lithium metal	Waste batteries, lithium metal	51206	OD1487-2	1 Crate
Waste Batteries, Wet, Filled With Acid	Waste batteries, wet, filled with acid	51210, 51211, 51212, 51213, 51214, 51215, 51216	OD1487-2	7 Crates
Waste Batteries, Wet, Non-Spillable	Waste batteries, wet, non-spillable	51217, 51219	OD1487-2	2 Drums
Environmentally hazardous substance, liquid, NOS	Waste aircraft cleaner (Bonderite)	51403	OC01487-3	1 Drum
Not Regulated	Waste Activated Carbon Filter Not Regulated	51360, 51360, 51360, 51360, 51401, 51401, 51401, 51401	OE01487-1	8 Drums
Not Regulated	Waste Asbestos-containing Material Not TDG Regulated	51247, 51422	OD01487-2	2 Drums
Not Regulated	Waste fuel contaminated soil Not TDG Regulated	51417, 51417, 51418, 51418	OE01487-1	4 Drums
Not Regulated	Waste oil filters Not TDG regulated	51277, 51277	OE01487-1	2 Drums
Not Regulated	Waste oil Not TDG regulated	51258, 51258, 51258, 51258, 51276, 51276, 51276, 51276, 51311, 51311, 51259, 51259, 51259, 51259, 51260, 51260, 51260, 51260, 51261, 51261, 51261, 51261, 51265, 51265, 51265, 51265, 51269, 51269, 51269, 51269, 51271, 51271, 51271, 51271, 51273, 51273, 51273, 51273	OC01487-3	38 Drums
Not Regulated	Waste radiator water	51431, 51431, 51406	OC01487-3	3 Drums
Waste Aerosols	Waste aerosols (flammable)	51402, 51402	OD01487-2	2 Drums
Waste Fuel, Aviation, Turbine Engine	Waste Fuel, Aviation, Turbine Engine	51263, 51263, 51263, 51263, 51420, 51420	OE01487-1	6 Drums
Waste Fuel, Aviation, Turbine Engine Mixture	Waste Fuel, Aviation, Turbine Engine Mixture	51419, 51419, 51421	OE01487-1	3 Drums

TDG shipping name	Description	Manifest # (TCN)	Movement Document	Quantity
Waste Fuel, Aviation, Turbine Engine Mixture	Waste tank bottom water/ tank cleaning effluent Waste fuel, aviation, turbine engine mixture	51421, 51421, 51421	OE01487-1	3 Drums
Waste Paint Related Material	Waste paint, flammable Waste paint	51208	OE01487-1	1 Drum

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 Sanirajak (Hall Beach). 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 FOX-M in 2025

Month	Waste Generated (kg)
January	1161
February	925
March	1336
April	1581
May	1653
June	756
July	1241
August	992
September	796
October	1814
November	1077
December	1030
TOTAL	**14,362**
*Tracking sheet for months other than June, August & Sept were misplaced so waste was estimated based on site loading.	

6.0 MONITORING PROGRAM

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

1. Volume of raw water drawn from the reservoir (FOH-1). The raw water monitoring information is shown in Section 2.0 Water Use.

2. Quality of sewage discharged from the final discharge point of the sewage treatment facility (FOH-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. Quality of the water contained in the berms of fuel storage facilities prior to discharge (FOH-3) was analyzed using hydrocarbon test strips and confirmed within the effluent quality limits listed in the water licence, Part D. The coordinates and the results of the analysis are shown in **Location of Bermed Fuel Storage Facilities** . All samples met the effluent requirements of the water licence, Part D.

4. Final Discharge Point from the Landfarm (FOH-4). No landfarm has been established at FOX-M, so this monitoring station remains inactive.

7.0 SPILLS (UNAUTHORIZED DISCHARGES)

Two spills to the environment occurred at FOX-M in 2025. Table 7-1, below, describes the spill (unauthorized discharge) details. The Spill Contingency Plan was successfully implemented.

Table 7-1: Unauthorized Discharges at FOX-M in 2025

Date, NT-NU Spill #	Product	Quantity	Cause and follow-up action	On-site location
09-Apr-2025, Spill # NTNU 2025-167	Oil	1 L	A leaking connection on heavy equipment caused a spill on to a gravel pad. Impacted gravel was removed and containerized for off-site disposal. The connection was repaired and the leak was stopped.	Outside Garage (68°45'44"N, 81°13'33"W)
04-Jun-2025, Spill # NTNU 2025-244	Jet-A1	2 L	A leaking connection on heavy equipment caused a spill on to a gravel pad. Impacted gravel was removed and containerized for off-site disposal. The connection was repaired and the leak was stopped.	Airstrip Apron (68 46'14.59"N, 81 13'46.76"W)

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 progressive reclamation work was undertaken in 2025.

10.0 ACRONYMS

Table 10-1: Acronyms

Acronym	Definition
n.o.s	Not Otherwise Specified
NWB	Nunavut Water Board
NWS	North Warning System

Acronym	Definition
O&M	Operations and Maintenance
PCB	Polychlorinated Biphenyl
POL	Petroleum, Oil & Lubricant
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 OE01487-1
2. Movement Document OD01487-2
3. Movement Document OC01487-3

MOVEMENT DOCUMENT / MANIFEST
DOCUMENT DE MOUVEMENT / MANIFESTE

OD01487-2

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: 22 WING BLDG 109 — City / Ville: HORNELL HEIGHTS — Prov.: — Country / Pays: CAN — Postal code / Code postal: 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 FOX-M — Unique Identification Number / Numéro d'identification unique (40)

Shipping facility addr. / Adr. de l'installation d'envoi: SANIRAJAK, NU — City / Ville: — Prov.: NU — Country / Pays: CAN — Postal code / Code postal: 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: 9935 CHEATEAUNEUF ENTRANCE 1 SUITE 200 — City / Ville: BROSSARD — Prov.: QC — Country / Pays: CAN — Postal code / Code postal: 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.: QC — Country / Pays — Postal code / Code postal

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 / 1° remorque - wagon		
Trailer - Rail car No. 2 / 2° 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 récoptionnaire/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)

OE01487-1, OC01487-3

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)	UN1950	WASTE AERSOLS, FLAMMABLE	2.1	N/A		91	kg	2	01	S
(ii)	UN3175	WASTE SOLIDS CONTAINING FLAMMABLE LIQUID NOS (FUEL,AVIATION,TURBINE ENGINE) FLAMMABLE FILTERS	4.1	N/A		68068	kg	2	01	S
(iii)	UN2590	WASTE - ASBESTOS, CHRYSOTILE	9	III	YES	45	kg	1	01	S
(iv)	UN3432	WASTE POLY CHLORINATED BIPHENYLS,SOLID	9	II		36	kg	1	01	S

(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)											

Receiver/consignee certification: *I certify that the information contained in Part C is correct and complete.* (37)
Attestation du réceptionnaire/destinataire : *J'atteste que tous les renseignements à la partie C sont exacts et complets.*
Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie)
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.* (20)
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): NICOLE COULTER — Tel. No. / N° de tél: 705-494-2011x3400

Signature

Date Shipped / Date d'expédition (21): Year / Année: 25 | Month / Mois: 08 | Day / Jour: 20 | ☐ A.M. ☐ P.M. : Time / Heure

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_____

Movement Document / Manifest Reference No.
N° de référence du document de mouvement / manifeste **OD01487-2**

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 / 1° remorque - wagon		
Trailer - Rail car No. 2 / 2° 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

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 / 1° remorque - wagon		
Trailer - Rail car No. 2 / 2° 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

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 / 1° remorque - wagon		
Trailer - Rail car No. 2 / 2° 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

Additional waste lines information / Lignes d'informations supplémentaires de déchet

A

	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.
(v)		UN2800	WASTE BATTERIES, WET, NON-SPILLABLE,ELECTRIC STORAGE +	8	----		771	kg	2	07	S
(vi)		UN2794	WASTE BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE +	8	----		5759	kg	7	07	S
(vii)		UN3090	WASTE LITHIUM METAL BATTERIES	9	----		91	kg	1	07	S
(viii)		UN3528	ENGINE, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED +	3	----		1453	kg	1	07	S

	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	National code in country of / Code national du pays d' Export / Exportation	Import / Importation	19 Customs codes / Codes de douanes
(v)												
(vi)												
(vii)												
(viii)												

C

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

MOVEMENT DOCUMENT / MANIFEST
DOCUMENT DE MOUVEMENT / MANIFESTE

OC01487-3

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 — Unique Identification Number / Numéro d'identification unique — 40

NWS FOX-M

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

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

Intended receiver / consignee name / Nom de réceptionnaire / destinataire prévu — Unique Identification Number / Numéro d'identification unique — 2

QIKIQTAALUK ENVIRONMENTAL — 7610-16-01-0348154 401694006

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.: QC — Country / Pays — Postal code / Code postal

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

OE01487-1, OD01487-2

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

Prov. code / Code prov. 3	UN No. / N° NU 6	Shipping name / Appellation réglementaire 4	Class / Classe Sub. Class(es) / Classe(s) sub. 5	Packing/category / Gr. d'emballage/ categorie 7	Toxic by inhalation / Toxique par inhalation 30	Quantity shipped / Quantité expédiée 8	Units / L or / ou kg / Unités 8	Packaging / Contenant 9 No. / N°	Codes Int.- ext. 9	Phys. state / État phys. 10
(i)		WASTE - BATTERIES-DRY-NR				91	kg	1	07	S
(ii)		WASTE-E-WASTE				772	kg	4	07	S
(iii)	UN2590	WASTE-ASBESTOS-CHRYSOTILE	9	II	YES	90	kg	1	01	S
(iv)		WASTE OIL-NR				6350	L	38	01	L

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

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

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): NICOLE COULTER — Tel. No. / N° de tél: 705-494-2011x3400 — 20

Signature

Date Shipped / Date d'expédition — Year / Année: 25 — Month / Mois: 08 — Day / Jour: 22 — Time / Heure 21: ☐ 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_____

OC01487-3

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

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 / 1° remorque - wagon		
Trailer - Rail car No. 2 / 2° 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

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 / 1° remorque - wagon
Trailer - Rail car No. 2 / 2° 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

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 / 1° remorque - wagon
Trailer - Rail car No. 2 / 2° 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

Additional waste lines information / Lignes d'informations supplémentaires de déchet

A

	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.
(v)			WASTE- RADIATOR WATER- NR				227	L	1	01	L
(vi)		UN 3166	VEHICLE,FLAMMABLE LIQUID POWERED (DIESEL) +	9			28 700	kg	4	07	S
(vii)		UN 3082	ENVIROMENTALLY HAZARDOUS SUBSTANCE, LIQUID NOS +	9	III		181	L	1	01	L
(viii)								-		-	-

	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
(v)												
(vi)												
(vii)												
(viii)												

C

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.

MOVEMENT DOCUMENT / MANIFEST
DOCUMENT DE MOUVEMENT / MANIFESTE

OE01487-1

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: 22 WING BLDG 109 | City / Ville: HORNELL HEIGHTS | Prov.: | Country / Pays: CAN | Postal code / Code postal: 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 FOX-M — Unique Identification Number / Numéro d'identification unique — 40

Shipping facility addr. / Adr. de l'installation d'envoi: SANIRAJAK, NU | City / Ville: | Prov.: NU | Country / Pays: CAN | Postal code / Code postal: 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: 9935 CHATEAUNEUF ENTRANCE 1 SUITE 200 | City / Ville: BROSSARD | Prov.: QC | Country / Pays: CAN | Postal code / Code postal: 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.: QC | Country / Pays | Postal code / Code postal

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.*
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.* — 26

Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie): Thomas D-St-M | Tel. No. / N° de tél | Year / Année: 25 | Month / Mois: 09 | Day / Jour: 11 | Signature

Reference Nos. of other movement documents/manifests used / N° de référence des autres documents de mouvement/manifestes utilisés — 27
OD01487-2, OC01487-3

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	8 Units / L or / ou kg / Unités	9 Packaging / Contenant No. / N°	9 Codes int.- ext.	10 Phys. state / État phys.
(i)	UN1863	WASTE FUEL, AVIATION, TURBINE ENGINE	3	III		997	L	8	01	L
(ii)	UN1863	WASTE FUEL,AVIATION, TURBINE ENGINE MIXTURE (CLEANEING EFFLUENT)	3	III		454	L	4	01	L
(iii)	UN 1263	WASTE - PAINT RELATED MATERIAL	3	III		680	kg	1	07	L
(iv)	UN 1863	WASTE-FUEL,AVIATION,TURBINE ENGINE (FUEL & WATER MIXTURE)	3	III		544	L	4	01	L

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

Receiver/consignee certification: *I certify that the information contained in Part C is correct and complete.*
Attestation du réceptionnaire/destinataire : *J'atteste que tous les renseignements à la partie C sont exacts et complets.*
Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie) — 37
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.* — 20

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

Date Shipped / Date d'expédition — 21: Year / Année: 25 | Month / Mois: 08 | Day / Jour: 22 | Time / Heure ☐ 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_____**

Movement Document / Manifest Reference No.
N° de référence du document de mouvement / manifeste OE01487-1

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.*
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.* 26

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

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.*
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.* 26

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

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.*
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.* 26

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

Additional waste lines information / Lignes d'informations supplémentaires de déchet

A

	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.
(v)			WASTE-FUEL-CONTAMINATED SOIL	--	----	----	907	kg	4	01	S
(vi)		----	WASTE - ACTIVATED CARBON FILTER - NR	--	----	----	680	kg	2	01	S
(vii)			WASTE OIL FILTERS - NR				318	kg	2	01	S
(viii)		----	WASTE OILY RAGS - NR	--	----	----	498	kg	6	01	S

	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	National code in country of / Code national du pays d' 18 Export / Exportation	Import / Importation	19 Customs codes / Codes de douanes
(v)												
(vi)												
(vii)												
(viii)												

C

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

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

Figure 1: Location and coordinates of sewage treatment outfall: 68° 45’39.50” N, 81°13’28.40” W

ANNEX C. ANALYSIS OF TREATED SEWAGE EFFLUENT

Table C-1 contains the results of sampling analysis of treated sewage effluent. Samples were collected monthly. The laboratory certificates of analysis are included in the pages which follow.

Table C-1: Summary of Analysis of Treated Sewage Effluent at FOX-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
13-Jan-25	8.42	A	<3.0	<3.0	553.3
3-Feb-25	7.85	A	3	6.2	693.3
3-Mar-25	8.23	A	<3.0	4.7	<10
3-Apr-25	7.91	A	<3.0	9.2	140.0
5-May-25	Unk**	A	<3.0	Unk**	47.3
3-Jun-25	7.58	A	<3.0	<3.0	127.3
7-Jul-25	8.15	A	<3.0	<3.0	133.7
1-Aug-25	8.21	A	<3.0	<3.0	50.0
2-Sep-25	8.39	A	<3.0	<3.0	<10
9-Oct-25	8.1	A	5.4	<3.0	3,646.7
4-Nov-25	8.31	A	<3.0	<3.0	820.0
22-Dec-25	***	***	***	***	***

Notes:
** The pH and TSS bottles broke in transit.
*** Analytical results for December 2025 pending release from lab

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 [pending]

[1] This column contains the average of the Cyclet 1A, Cyclet 1B, and Cyclet 1C

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CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**WT2500918**		
Client	:	**Nasittuq Corporation**	Laboratory	: ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	: Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	: 613 225 8279
Project	:	NWS Sewage	Date Samples Received	: 16-Jan-2025 11:45
PO	:	----	Date Analysis Commenced	: 17-Jan-2025
C-O-C number	:	----	Issue Date	: 18-Mar-2026 09:57
Sampler	:	Alex Kelly		
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*
Hannah Lewis	Inorganics Analyst	Inorganics, Waterloo, Ontario
Jeminikumari Patel	Analyst	Microbiology, Waterloo, Ontario
Manuel TavaraTello	Supervisor - Semi-Volatile Extractions	Organics, Waterloo, Ontario
Nik Perkio	Senior Analyst	Inorganics, Waterloo, Ontario

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.

Qualifiers

Qualifier	Description
BODL	Limit of Reporting for BOD was increased to account for the largest volume of sample tested.
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
PEHR	Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.

Analytical Results Evaluation

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	Cycle-let Genchem and O&G ----	Cycle-let Faecal A ----	Cycle-let Faecal B ----	Cycle-let Faecal C ----	----	----	----
				Client sampling date / time	13-Jan-2025 08:42	13-Jan-2025 08:43	13-Jan-2025 08:43	13-Jan-2025 08:43	----	----	----
				Sub-Matrix	Water	Water	Water	Water	----	----	----
					WT2500918-001	WT2500918-002	WT2500918-003	WT2500918-004	----	----	----
					Result	Result	Result	Result	----	----	----
Physical Tests											
pH	----	E108/WT	pH units		8.42	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/WT	mg/L		<3.0	----	----	----	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	E012.FC/WT	CFU/100mL		----	540 DLM, PEHR	480 DLM, PEHR	640 DLM, PEHR	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	E550/WT	mg/L		<3.0 BODL	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/WT	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/WT	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/WT	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	**10000 CFU/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	----	----	----	----	----	----	----

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QUALITY CONTROL REPORT

Work Order	: **WT2500918**		
Client	: Nasittuq Corporation	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage	Date Samples Received	: 16-Jan-2025 11:45
PO	: ----	Date Analysis Commenced	: 17-Jan-2025
C-O-C number	: ----	Issue Date	: 18-Mar-2026 09:57
Sampler	: Alex Kelly		
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*
Hannah Lewis	Inorganics Analyst	Waterloo Inorganics, Waterloo, Ontario
Jeminikumari Patel	Analyst	Waterloo Microbiology, Waterloo, Ontario
Manuel TavaraTello	Supervisor - Semi-Volatile Extractions	Waterloo Organics, Waterloo, Ontario
Nik Perkio	Senior Analyst	Waterloo Inorganics, Waterloo, Ontario

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: Surface 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: 1845210)											
WT2500835-004	Anonymous	pH	----	E108	0.10	pH units	8.33	8.32	0.120 %	4%	---

Sub-Matrix: Wastewater

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: 1846362)											
WT2500787-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	19.1	20.3	1.2	Diff <2x LOR	---

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
Microbiological Tests(QC Lot: 1844010)											
WT2500918-002	Cycle-let Faecal A	Coliforms, thermotolerant [fecal]	----	E012.FC	10	CFU/100mL	540	490	9.71 %	65%	---
Aggregate Organics(QC Lot: 1842859)											
WT2500804-001	Anonymous	Biochemical oxygen demand [BOD]	----	E550	3.0	mg/L	<3.0	<3.0	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: 1845210)						
pH	----	E108	----	pH units	----	----
Physical Tests(QC Lot: 1846362)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests(QC Lot: 1844010)						
Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	<1	----
Aggregate Organics(QC Lot: 1842859)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics(QC Lot: 1845316)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics(QC Lot: 1845317)						
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: 1845210)									
pH	----	E108	----	pH units	7 pH units	101	98.0	102	----
Physical Tests(QC Lot: 1846362)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	92.2	85.0	115	----
Aggregate Organics(QC Lot: 1842859)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	107	85.0	115	----
Aggregate Organics(QC Lot: 1845316)									
Oil & grease (gravimetric)	----	E567	5	mg/L	200 mg/L	97.9	70.0	130	----
Aggregate Organics(QC Lot: 1845317)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	100 mg/L	89.5	70.0	130	----

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Quality Control Interpretive Report

Work Order	:	**WT2500918**			
Client	:	Nasittuq Corporation	Laboratory	:	ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	:	Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	:	60 Northland Road, Unit 1 Waterloo Ontario Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	:	613 225 8279
Project	:	NWS Sewage	Date Samples Received	:	16-Jan-2025 11:45
PO	:	----	Issue Date	:	23-Mar-2026 07:20
C-O-C number	:	----			
Sampler	:	Alex Kelly			
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-4d]												
Cycle-let Genchem and O&G	001	1842859	E550	13-Jan-2025	----	----	----		17-Jan-2025	4 days	4 days	✓
Aggregate Organics : Mineral Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
Cycle-let Genchem and O&G	001	1845317	E567SG	13-Jan-2025	20-Jan-2025	28 days	7 days	✓	22-Jan-2025	28 days	9 days	✓
Aggregate Organics : Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
Cycle-let Genchem and O&G	001	1845316	E567	13-Jan-2025	20-Jan-2025	28 days	7 days	✓	22-Jan-2025	28 days	9 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)												
Sterile HDPE (sodium thiosulfate) [ON MECP]												
Cycle-let Faecal A	002	1844010	E012.FC	13-Jan-2025	----	----	----		18-Jan-2025	48 hrs	120 hrs	× EHTR
Cycle-let Faecal B	003	1844010	E012.FC	13-Jan-2025	----	----	----		18-Jan-2025	48 hrs	120 hrs	× EHTR
Cycle-let Faecal C	004	1844010	E012.FC	13-Jan-2025	----	----	----		18-Jan-2025	48 hrs	120 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 [ON MECP]												
Cycle-let Genchem and O&G	001	1845210	E108	13-Jan-2025	20-Jan-2025	14 days	7 days	✓	21-Jan-2025	14 days	8 days	✓
Physical Tests : TSS by Gravimetry												
HDPE [ON MECP]												
Cycle-let Genchem and O&G	001	1846362	E160	13-Jan-2025	----	----	----		21-Jan-2025	7 days	8 days	× EHT

Legend & Qualifier Definitions

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 (MF-mFC)	E012.FC	1844010	1	4	25.0	5.0	✓
pH by Meter	E108	1845210	1	18	5.6	5.0	✓
TSS by Gravimetry	E160	1846362	1	20	5.0	4.8	✓
Biochemical Oxygen Demand - 5 day	E550	1842859	1	19	5.3	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	1845210	1	18	5.6	5.0	✓
TSS by Gravimetry	E160	1846362	1	20	5.0	4.8	✓
Biochemical Oxygen Demand - 5 day	E550	1842859	1	19	5.3	5.0	✓
Oil & Grease by Gravimetry	E567	1845316	1	20	5.0	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1845317	1	16	6.2	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC	1844010	1	4	25.0	5.0	✓
TSS by Gravimetry	E160	1846362	1	20	5.0	4.8	✓
Biochemical Oxygen Demand - 5 day	E550	1842859	1	19	5.3	5.0	✓
Oil & Grease by Gravimetry	E567	1845316	1	20	5.0	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1845317	1	16	6.2	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").

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Oil & Grease Extraction for Gravimetry	EP567 ALS Environmental - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 (MF-mFC)	E012.FC ALS Environmental - Waterloo	Water	APHA 9222 D (mod)	Following filtration (0.45 µm), and incubation at 44.5 ±0.2°C for 22-26 hours, colonies exhibiting characteristic morphology of the target organism are enumerated and confirmed.
TSS by Gravimetry	E160 ALS Environmental - Waterloo	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.

066-185
GC-475

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 ____

VM

Environmental Division
Waterloo
Work Order Reference
WT2500918

Telephone : +1 519 886 6910

Report To		Report Format / Distribution	Select Service Level Below (Rush Turna
Company:	Nasittuq Corp	Select Report Format: ☑ PDF ☐ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pr
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 E2 ☐ Same day or weekend emergency - conta
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	Analys
Invoice To	Same as Report To ☐ Yes ☐ No	**Invoice Distribution**	Indicate Filtered (F), Preserved (P) or Filt
	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	GL Account: Routing Code:	
PO / AFE:		Activity Code:	
LSD:		Location:	
ALS Lab Work Order # (lab use only)	WT2500918 FH	**ALS Contact:** E. Dobbin	**Sampler:** Alex Kelly

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 Containe
	_____ - Cycle-let Gen Chem and O&G	*13 Jan 25	8:42	Effluent	R	R		3
	_____ - Cycle-let Faecal A	*13 Jan 25	8:43	Effluent			R	1
	_____ - Cycle-let Faecal B	*13 Jan 25	8:43	Effluent			R	1
	_____ - Cycle-let Faecal C	*13 Jan 25	8:43	Effluent			R	1

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		
6.8				-0.5	

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: *	Date:	Time:	Received by: Eric Dobbin	Date: 16/01/25	Time: 11:45	Received by:	Date: Jan 17 25	Time: 1645

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FM-0326e 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.

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CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**WT2502432**		
Client	:	**Nasittuq Corporation**	Laboratory	: ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	: Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	: 613 225 8279
Project	:	----	Date Samples Received	: 07-Feb-2025 12:35
PO	:	----	Date Analysis Commenced	: 08-Feb-2025
C-O-C number	:	----	Issue Date	: 18-Mar-2026 09:57
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*
Hannah Lewis	Inorganics Analyst	Inorganics, Waterloo, Ontario
Jocelyn Kennedy	Department Manager - Semi-Volatile Organics	Organics, Waterloo, Ontario
Johanna Vargas	Analyst	Microbiology, Waterloo, Ontario
Nik Perkio	Senior Analyst	Inorganics, Waterloo, Ontario

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.

Workorder Comments

Coliform samples Exceeded Recommended Holding Time prior to receipt at the lab for Microbiology analysis.

Qualifiers

Qualifier	Description
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
PEHR	Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.

Analytical Results Evaluation

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	CYCLE-LET GENCEHM & OGG ----	CYCLE-LET FAECAL A ----	CYCLE-LET FAECAL B ----	CYCLE-LET FAECAL C ----	----	----	----
				Client sampling date / time	03-Feb-2025 13:00	03-Feb-2025 13:01	03-Feb-2025 13:01	03-Feb-2025 13:01	----	----	----
				Sub-Matrix	Water	Water	Water	Water	----	----	----
					WT2502432-001	WT2502432-002	WT2502432-003	WT2502432-004	----	----	----
					Result	Result	Result	Result	----	----	----
Physical Tests											
pH	----	E108/WT	pH units		7.85	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/WT	mg/L		6.2	----	----	----	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	E012.FC/WT	CFU/100mL		----	270 DLM, PEHR	1100 DLM, PEHR	710 DLM, PEHR	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	E550/WT	mg/L		3.0 PEHR	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/WT	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/ WT	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/WT	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	**10000 CFU/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	----	----	----	----	----	----	----

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QUALITY CONTROL REPORT

Work Order	:	**WT2502432**			
Client	:	Nasittuq Corporation	Laboratory	:	ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	:	Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	:	60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	:	613 225 8279
Project	:	----	Date Samples Received	:	07-Feb-2025 12:35
PO	:	----	Date Analysis Commenced	:	08-Feb-2025
C-O-C number	:	----	Issue Date	:	18-Mar-2026 09:57
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*
Hannah Lewis	Inorganics Analyst	Waterloo Inorganics, Waterloo, Ontario
Jocelyn Kennedy	Department Manager - Semi-Volatile Organics	Waterloo Organics, Waterloo, Ontario
Johanna Vargas	Analyst	Waterloo Microbiology, Waterloo, Ontario
Nik Perkio	Senior Analyst	Waterloo Inorganics, Waterloo, Ontario

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: 1870322)											
WT2502229-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	<3.0	<3.0	0	Diff <2x LOR	---
Physical Tests(QC Lot: 1870480)											
WT2502374-001	Anonymous	pH	----	E108	0.10	pH units	8.89	8.92	0.337 %	4%	---
Microbiological Tests(QC Lot: 1867959)											
WT2502432-002	CYCLE-LET FAECAL A	Coliforms, thermotolerant [fecal]	----	E012.FC	10	CFU/100mL	270	240	11.8 %	65%	---
Aggregate Organics(QC Lot: 1867864)											
WT2502291-001	Anonymous	Biochemical oxygen demand [BOD]	----	E550	3.0	mg/L	3.0	<3.0	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: 1870322)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Physical Tests(QC Lot: 1870480)						
pH	----	E108	----	pH units	----	----
Microbiological Tests(QC Lot: 1867959)						
Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	<1	----
Aggregate Organics(QC Lot: 1867864)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics(QC Lot: 1870416)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics(QC Lot: 1870417)						
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: 1870322)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	98.0	85.0	115	----
Physical Tests(QC Lot: 1870480)									
pH	----	E108	----	pH units	7 pH units	101	98.0	102	----
Aggregate Organics(QC Lot: 1867864)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	102	85.0	115	----
Aggregate Organics(QC Lot: 1870416)									
Oil & grease (gravimetric)	----	E567	5	mg/L	200 mg/L	98.3	70.0	130	----
Aggregate Organics(QC Lot: 1870417)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	100 mg/L	92.9	70.0	130	----

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Quality Control Interpretive Report

Work Order	:	**WT2502432**			
Client	:	Nasittuq Corporation	Laboratory	:	ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	:	Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	:	60 Northland Road, Unit 1 Waterloo Ontario Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	:	613 225 8279
Project	:	----	Date Samples Received	:	07-Feb-2025 12:35
PO	:	----	Issue Date	:	23-Mar-2026 07:20
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 [ON MECP]												
CYCLE-LET GENCEHM & OGG	001	1867864	E550	03-Feb-2025	----	----	----		08-Feb-2025	4 days	4 days	✓
Aggregate Organics : Mineral Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
CYCLE-LET GENCEHM & OGG	001	1870417	E567SG	03-Feb-2025	11-Feb-2025	28 days	8 days	✓	13-Feb-2025	28 days	9 days	✓
Aggregate Organics : Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
CYCLE-LET GENCEHM & OGG	001	1870416	E567	03-Feb-2025	11-Feb-2025	28 days	8 days	✓	13-Feb-2025	28 days	9 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)												
Sterile HDPE (sodium thiosulfate) [ON MECP]												
CYCLE-LET FAECAL A	002	1867959	E012.FC	03-Feb-2025	----	----	----		08-Feb-2025	48 hrs	120 hrs	× EHTR
CYCLE-LET FAECAL B	003	1867959	E012.FC	03-Feb-2025	----	----	----		08-Feb-2025	48 hrs	120 hrs	× EHTR
CYCLE-LET FAECAL C	004	1867959	E012.FC	03-Feb-2025	----	----	----		08-Feb-2025	48 hrs	120 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 [ON MECP]												
CYCLE-LET GENCEHM & OGG	001	1870480	E108	03-Feb-2025	11-Feb-2025	14 days	8 days	✓	11-Feb-2025	14 days	8 days	✓
Physical Tests : TSS by Gravimetry												
HDPE [ON MECP]												
CYCLE-LET GENCEHM & OGG	001	1870322	E160	03-Feb-2025	----	----	----		11-Feb-2025	7 days	8 days	× EHT

Legend & Qualifier Definitions

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 (MF-mFC)	E012.FC	1867959	1	3	33.3	5.0	✓
pH by Meter	E108	1870480	1	16	6.2	5.0	✓
TSS by Gravimetry	E160	1870322	1	20	5.0	4.8	✓
Biochemical Oxygen Demand - 5 day	E550	1867864	1	20	5.0	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	1870480	1	16	6.2	5.0	✓
TSS by Gravimetry	E160	1870322	1	20	5.0	4.8	✓
Biochemical Oxygen Demand - 5 day	E550	1867864	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	1870416	1	18	5.6	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1870417	1	16	6.2	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC	1867959	1	3	33.3	5.0	✓
TSS by Gravimetry	E160	1870322	1	20	5.0	4.8	✓
Biochemical Oxygen Demand - 5 day	E550	1867864	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	1870416	1	18	5.6	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1870417	1	16	6.2	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").

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Oil & Grease Extraction for Gravimetry	EP567 ALS Environmental - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 (MF-mFC)	E012.FC ALS Environmental - Waterloo	Water	APHA 9222 D (mod)	Following filtration (0.45 µm), and incubation at 44.5 ±0.2°C for 22-26 hours, colonies exhibiting characteristic morphology of the target organism are enumerated and confirmed.
TSS by Gravimetry	E160 ALS Environmental - Waterloo	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.

ALS

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TCN 50081

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 -

Environmental Division
Waterloo
Work Order Reference
WT2502432

Telephone : +1 519 886 6910

Report To	
Company:	Nasittuq Corp
Contact:	Alaina Leslie
Address:	275 Slater St Ottawa ON K1P 5H9
Phone:	613-223-0629

Report Format / Distribution	
Select Report Format:	☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report	☑ Yes ☐ No
☑ 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

Select Service Level Below (Rush Turnaro…
- R ☑ Regular (Standard TAT if received by 3 pm …
- P ☐ Priority (2-4 bus. days if received by 3pm) …
- E ☐ Emergency (1-2 bus. days if received by 3p…
- E2 ☐ Same day or weekend emergency - contact…

Specify Date Required for E2,E or P:

Invoice To		
Same as Report To	☐ Yes	☐ No
Copy of Invoice with Report	☐ Yes	☐ No
Company:		
Contact:		

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

Project Information	
ALS Quote #:	Q89840
Job #:	NWS Sewage
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)

ALS Contact: E. Dobbin

Sampler: Alex Kelly

Analysis Request — Indicate Filtered (F), Preserved (P) or Filter…

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
	- Cycle-let Gen Chem and O&G	*03-Feb-25	01:00 pm	Effluent	R	R		3
	- Cycle-let Faecal A	*03-Feb-25	01:01 pm	Effluent			R	1
	- Cycle-let Faecal B	*03-Feb-25	01:01 pm	Effluent			R	1
	- Cycle-let Faecal C	*03-Feb-25	01:01 pm	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)

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: 4.3
FINAL COOLER TEMPERATURES °C:

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: * Kathleen Francis	Date: 3 Feb 2025	Time: 1:30pm	Received by: STCA	Date: 9 Feb 25	Time: 12:20	Received by: [illegible] Feb 8 2025 9.9°C	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.

10:40AM

OGG-224 IGC-534

ALS Canada Ltd.

right solutions.
right partner.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	: **WT2504926**	Page	: 1 of 4
Client	: **NASITTUQ CORPORATION**	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage FOX-M	Date Samples Received	: 11-Mar-2025 11:15
PO	: ----	Date Analysis Commenced	: 13-Mar-2025
C-O-C number	: ----	Issue Date	: 20-Mar-2025 17:15
Sampler	: P. RUSSELL		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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*
Danielle Gravel	Supervisor - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Hannah Lewis	Inorganics Analyst	Inorganics, Waterloo, Ontario
Ruby Sujeepan	Analyst	Microbiology, Waterloo, Ontario
Walt Kippenhuck	Supervisor - Inorganic	Inorganics, Waterloo, Ontario

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*
CFU/100mL	
mg/L	
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

Samples: Exceeded Recommended Holding Time prior to receipt at the lab for Microbiology analysis.

Qualifiers

Qualifier	Description
BODL	Limit of Reporting for BOD was increased to account for the largest volume of sample tested.
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
PEHR	Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.

Analytical Results Evaluation

Matrix: **Water**

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	XL-CYCLE-LET GEN CHEM AND O&G	XL-CYCLE-LET FAECAL A	XL-CYCLE-LET FAECAL B	XL-CYCLE-LET FAECAL C	----	----	----
				Sampling date/time	03-Mar-2025 09:30	03-Mar-2025 09:30	03-Mar-2025 09:31	03-Mar-2025 09:32	----	----	----
				Sub-Matrix	Water	Water	Water	Water	----	----	----
				WT2504926-001	WT2504926-002	WT2504926-003	WT2504926-004	--------	--------	--------	
Physical Tests											
pH	----	E108/WT	pH units	8.23	----	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/WT	mg/L	4.7	----	----	----	----	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	E012.FC/WT	CFU/100 mL	----	Not Detected DLM, PEHR	Not Detected DLM, PEHR	Not Detected DLM, PEHR	----	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	E550/WT	mg/L	<3.0 BODL, PEHR	----	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/WT	mg/L	<5.0	----	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/WT	mg/L	<5.0	----	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/WT	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.

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	**10000 CFU/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	**--**						

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

Key:

NWS Sewage Limits NWS Sewage Limits

NWS Sewage Limits NWS Sewage Limits

QUALITY CONTROL REPORT

Work Order	: **WT2504926**	Page	: 1 of 4
Client	: NASITTUQ CORPORATION	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage FOX-M	Date Samples Received	: 11-Mar-2025 11:15
PO	: ----	Date Analysis Commenced	: 13-Mar-2025
C-O-C number	: ----	Issue Date	: 20-Mar-2025 17:15
Sampler	: P. RUSSELL		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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*
Danielle Gravel	Supervisor - Semi-Volatile Instrumentation	Waterloo Organics, Waterloo, Ontario
Hannah Lewis	Inorganics Analyst	Waterloo Inorganics, Waterloo, Ontario
Ruby Sujeepan	Analyst	Waterloo Microbiology, Waterloo, Ontario
Walt Kippenhuck	Supervisor - Inorganic	Waterloo Inorganics, Waterloo, Ontario

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: 1907921)											
WT2504656-001	Anonymous	pH	----	E108	0.10	pH units	9.26	9.25	0.108%	4%	----
Physical Tests (QC Lot: 1910740)											
WT2504670-005	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	15.3	19.7	4.4	Diff <2x LOR	----
Microbiological Tests (QC Lot: 1908996)											
WT2504926-003	XL-CYCLE-LET FAECAL B	Coliforms, thermotolerant [fecal]	----	E012.FC	10	CFU/100mL	<10	<10	0	Diff <2x LOR	----
Aggregate Organics (QC Lot: 1907884)											
WT2504872-001	Anonymous	Biochemical oxygen demand [BOD]	----	E550	3.0	mg/L	<3.0	<3.0	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: 1910740)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests (QCLot: 1908996)						
Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	<1	----
Aggregate Organics (QCLot: 1907884)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 1915866)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics (QCLot: 1915867)						
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: 1907921)									
pH	----	E108	----	pH units	7 pH units	101	98.0	102	----
Physical Tests (QCLot: 1910740)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	103	85.0	115	----
Aggregate Organics (QCLot: 1907884)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	100	85.0	115	----
Aggregate Organics (QCLot: 1915866)									
Oil & grease (gravimetric)	----	E567	5	mg/L	200 mg/L	101	70.0	130	----
Aggregate Organics (QCLot: 1915867)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	100 mg/L	93.0	70.0	130	----

ALS Canada Ltd.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **WT2504926**	Page	: 1 of 6
Client	: **NASITTUQ CORPORATION**	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage FOX-M	Date Samples Received	: 11-Mar-2025 11:15
PO	: ----	Issue Date	: 20-Mar-2025 17:15
C-O-C number	: ----		
Sampler	: P. RUSSELL		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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-4d] XL-CYCLE-LET GEN CHEM AND O&G	E550	03-Mar-2025	----	----	----		13-Mar-2025	4 days	10 days	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) XL-CYCLE-LET GEN CHEM AND O&G	E567SG	03-Mar-2025	20-Mar-2025	28 days	17 days	✓	20-Mar-2025	28 days	17 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) XL-CYCLE-LET GEN CHEM AND O&G	E567	03-Mar-2025	20-Mar-2025	28 days	17 days	✓	20-Mar-2025	28 days	17 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (Sodium thiosulphate) [ON MECP] XL-CYCLE-LET FAECAL A	E012.FC	03-Mar-2025	----	----	----		14-Mar-2025	48 hrs	262 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (Sodium thiosulphate) [ON MECP] XL-CYCLE-LET FAECAL B	E012.FC	03-Mar-2025	----	----	----		14-Mar-2025	48 hrs	262 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (Sodium thiosulphate) [ON MECP] XL-CYCLE-LET FAECAL C	E012.FC	03-Mar-2025	----	----	----		14-Mar-2025	48 hrs	262 hrs	× EHTR
Physical Tests : pH by Meter										
HDPE [ON MECP] XL-CYCLE-LET GEN CHEM AND O&G	E108	03-Mar-2025	13-Mar-2025	14 days	10 days	✓	14-Mar-2025	14 days	11 days	✓

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 [ON MECP]										
XL-CYCLE-LET GEN CHEM AND O&G	E160	03-Mar-2025	----	----	----		17-Mar-2025	7 days	14 days	× EHTR

Legend & Qualifier Definitions

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 (MF-mFC)	E012.FC	1908996	1	8	12.5	5.0	✓
pH by Meter	E108	1907921	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	1910740	1	19	5.2	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	1907884	1	12	8.3	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	1907921	1	20	5.0	5.0	✓
TSS by Gravimetry	E160	1910740	1	19	5.2	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	1907884	1	12	8.3	5.0	✓
Oil & Grease by Gravimetry	E567	1915866	1	19	5.2	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1915867	1	15	6.6	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC	1908996	1	8	12.5	5.0	✓
TSS by Gravimetry	E160	1910740	1	19	5.2	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	1907884	1	12	8.3	5.0	✓
Oil & Grease by Gravimetry	E567	1915866	1	19	5.2	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1915867	1	15	6.6	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 (MF-mFC)	E012.FC ALS Environmental - Waterloo	Water	APHA 9222 D (mod)	Following filtration (0.45 µm), and incubation at 44.5 ±0.2°C for 22-26 hours, colonies exhibiting characteristic morphology of the target organism are enumerated and confirmed.
pH by Meter	E108 ALS Environmental - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.

OLG7285
B252
GC 650

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)

Environmental Division Waterloo

Work Order Reference WT2504926

Telephone : +1 519 886 6910

Report To		Report Format / Distribution	Select Service Level Below (Rus
Company:	Nasittuq Corp	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received
Contact:	Alaina Leslie	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received t
Address:	275 Slater St Ottawa ON K1P 5H9	☑ Criteria on Report - provide details below if box checked	E ☐ Emergency (1-2 bus. days if receiv
Phone:	613-223-0629	Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	E2 ☐ Same day or weekend emergency
		Email 1 or Fax alaina.leslie@nasittuq.com	Specify Date Required for E2,E or P:
		Email 2 labresults@nasittuq.com	An

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 naccounting@nasittuq.com

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

ALS Lab Work Order # (lab use only): WT2504926 | ALS Contact: E. Dobbin | Sampler: DARRELL RUSSELL

Indicate Filtered (F), Preserved (P) o.

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
	XL-Cycle-let Gen Chem and O&G	03/mar/25	930	Effluent	R	R		3
	XL-Cycle-let Faecal A	03/mar/25	930	Effluent			R	1
	XL-Cycle-let Faecal B	03/mar/25	931	Effluent			R	1
	XL-Cycle-let Faecal C	03/mar/25	932	Effluent			R	1
	#1 OGG BROKEN IN TRANSIT CF 11/3/25 11:15AM							
	#Please run expired bottles with comment							

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	Please apply NWS Sewage Limits Threshold
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		
5	4		6	7	6

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: *	Date:	Time:	Received by: COSTAT	Date: 11/3/25	Time: 11:15	Received by:	Date: 3/11/25	Time: 20:00

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-PM-0326e 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**.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**WT2507578**		
Client	:	**Nasittuq Corporation**	Laboratory	: ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	: Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	: 613 225 8279
Project	:	NWS Sewage FOX-M	Date Samples Received	: 08-Apr-2025 11:40
PO	:	----	Date Analysis Commenced	: 10-Apr-2025
C-O-C number	:	----	Issue Date	: 18-Mar-2026 09:58
Sampler	:	Alex Kelly		
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*
Danielle Gravel	Supervisor - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Jeminikumari Patel	Analyst	Microbiology, Waterloo, Ontario
Rachel Cameron	Supervisor - Semi-Volatile Extractions	Organics, Waterloo, Ontario
Walt Kippenhuck	Supervisor - Inorganic	Inorganics, Waterloo, Ontario

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.

Qualifiers

Qualifier	Description
BODL	Limit of Reporting for BOD was increased to account for the largest volume of sample tested.
DLHC	Detection Limit Raised: Dilution required due to high concentration of test analyte(s).
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
PEHR	Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.

Analytical Results Evaluation

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	XL-CYCLE-LET GEN CHEM AND O&G ----	XL-CYCLE-LET FAECAL A ----	XL-CYCLE-LET FAECAL B ----	XL-CYCLE-LET FAECAL C ----	----	----	----
				Client sampling date / time	03-Apr-2025 09:03	03-Apr-2025 09:01	03-Apr-2025 09:01	03-Apr-2025 09:02	----	----	----
				Sub-Matrix	Water	Water	Water	Water	----	----	----
					WT2507578-001	WT2507578-002	WT2507578-003	WT2507578-004	----	----	----
					Result	Result	Result	Result	----	----	----
Physical Tests											
pH	----	E108/WT	pH units		7.91	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/WT	mg/L		9.2 DLHC	----	----	----	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	E012.FC/WT	CFU/100mL		----	170 DLM, PEHR	170 DLM, PEHR	80 PEHR	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	E550/WT	mg/L		<3.0 PEHR, BODL	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/WT	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/WT	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/WT	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	**10000 CFU/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.

right solutions.
right partner.

QUALITY CONTROL REPORT

Work Order	: **WT2507578**		
Client	: Nasittuq Corporation	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage FOX-M	Date Samples Received	: 08-Apr-2025 11:40
PO	: ----	Date Analysis Commenced	: 10-Apr-2025
C-O-C number	: ----	Issue Date	: 18-Mar-2026 09:58
Sampler	: Alex Kelly		
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*
Danielle Gravel	Supervisor - Semi-Volatile Instrumentation	Waterloo Organics, Waterloo, Ontario
Jeminikumari Patel	Analyst	Waterloo Microbiology, Waterloo, Ontario
Rachel Cameron	Supervisor - Semi-Volatile Extractions	Waterloo Organics, Waterloo, Ontario
Walt Kippenhuck	Supervisor - Inorganic	Waterloo Inorganics, Waterloo, Ontario

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: Drinking 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: 1946417)											
HA2500954-001	Anonymous	pH	----	E108	0.10	pH units	7.99	8.09	1.24 %	4%	---

Sub-Matrix: Surface 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
Aggregate Organics(QC Lot: 1945622)											
WT2507631-006	Anonymous	Biochemical oxygen demand [BOD]	----	E550	2.0	mg/L	<2.0	<2.0	0.0 %	30%	---

Sub-Matrix: Wastewater

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: 1945672)											
WT2507295-001	Anonymous	Solids, total suspended [TSS]	----	E160	30.0	mg/L	11900	11500	3.80 %	20%	---
Microbiological Tests(QC Lot: 1946034)											
WT2507750-002	Anonymous	Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/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(QC Lot: 1945672)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Physical Tests(QC Lot: 1946417)						
pH	----	E108	----	pH units	----	----
Microbiological Tests(QC Lot: 1946034)						
Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	<1	----
Aggregate Organics(QC Lot: 1945622)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics(QC Lot: 1946297)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics(QC Lot: 1946298)						
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: 1945672)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	102	85.0	115	----
Physical Tests(QC Lot: 1946417)									
pH	----	E108	----	pH units	7 pH units	100	98.0	102	----
Aggregate Organics(QC Lot: 1945622)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	101	85.0	115	----
Aggregate Organics(QC Lot: 1946297)									
Oil & grease (gravimetric)	----	E567	5	mg/L	200 mg/L	102	70.0	130	----
Aggregate Organics(QC Lot: 1946298)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	100 mg/L	92.6	70.0	130	----

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Quality Control Interpretive Report

Work Order	:	**WT2507578**			
Client	:	Nasittuq Corporation	Laboratory	:	ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	:	Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	:	60 Northland Road, Unit 1 Waterloo Ontario Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	:	613 225 8279
Project	:	NWS Sewage FOX-M	Date Samples Received	:	08-Apr-2025 11:40
PO	:	----	Issue Date	:	23-Mar-2026 07:20
C-O-C number	:	----			
Sampler	:	Alex Kelly			
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 [ON MECP]												
XL-CYCLE-LET GEN CHEM AND O&G	001	1945622	E550	03-Apr-2025	----	----	----		10-Apr-2025	4 days	7 days	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
XL-CYCLE-LET GEN CHEM AND O&G	001	1946298	E567SG	03-Apr-2025	10-Apr-2025	28 days	7 days	✓	14-Apr-2025	28 days	11 days	✓
Aggregate Organics : Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
XL-CYCLE-LET GEN CHEM AND O&G	001	1946297	E567	03-Apr-2025	10-Apr-2025	28 days	7 days	✓	14-Apr-2025	28 days	11 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)												
Sterile HDPE (sodium thiosulfate) [ON MECP]												
XL-CYCLE-LET FAECAL A	002	1946034	E012.FC	03-Apr-2025	----	----	----		10-Apr-2025	48 hrs	170 hrs	× EHTR
XL-CYCLE-LET FAECAL B	003	1946034	E012.FC	03-Apr-2025	----	----	----		10-Apr-2025	48 hrs	170 hrs	× EHTR
XL-CYCLE-LET FAECAL C	004	1946034	E012.FC	03-Apr-2025	----	----	----		10-Apr-2025	48 hrs	170 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 [ON MECP]												
XL-CYCLE-LET GEN CHEM AND O&G	001	1946417	E108	03-Apr-2025	11-Apr-2025	14 days	8 days	✓	11-Apr-2025	14 days	8 days	✓
Physical Tests : TSS by Gravimetry												
HDPE [ON MECP]												
XL-CYCLE-LET GEN CHEM AND O&G	001	1945672	E160	03-Apr-2025	----	----	----		10-Apr-2025	7 days	7 days	✓

Legend & Qualifier Definitions

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 (MF-mFC)	E012.FC	1946034	1	12	8.3	5.0	✓
pH by Meter	E108	1946417	1	9	11.1	5.0	✓
TSS by Gravimetry	E160	1945672	1	19	5.3	4.8	✓
Biochemical Oxygen Demand - 5 day	E550	1945622	1	16	6.2	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	1946417	1	9	11.1	5.0	✓
TSS by Gravimetry	E160	1945672	1	19	5.3	4.8	✓
Biochemical Oxygen Demand - 5 day	E550	1945622	1	16	6.2	5.0	✓
Oil & Grease by Gravimetry	E567	1946297	1	18	5.6	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1946298	1	10	10.0	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC	1946034	1	12	8.3	5.0	✓
TSS by Gravimetry	E160	1945672	1	19	5.3	4.8	✓
Biochemical Oxygen Demand - 5 day	E550	1945622	1	16	6.2	5.0	✓
Oil & Grease by Gravimetry	E567	1946297	1	18	5.6	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	1946298	1	10	10.0	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 (MF-mFC)	E012.FC ALS Environmental - Waterloo	Water	APHA 9222 D (mod)	Following filtration (0.45 µm), and incubation at 44.5 ±0.2°C for 22-26 hours, colonies exhibiting characteristic morphology of the target organism are enumerated and confirmed.
TSS by Gravimetry	E160 ALS Environmental - Waterloo	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.

GC-795
GC-357

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 -

Environmental Division Waterloo

Work Order Reference

WT2507578

Telephone : +1 519 886 6910

Report To		Report Format / Distribution	Select Service Level Below (Rush Turna
Company:	Nasittuq Corp	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pn
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	E ☐ Emergency (1-2 bus. days if received by 3
Phone:	613-223-0629	Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	E2 ☐ Same day or weekend emergency - contac
		Email 1 or Fax alaina.leslie@nasittuq.com	Specify Date Required for E2,E or P:
		Email 2 labresults@nasittuq.com	Analysis

Invoice To	Same as Report To ☐ Yes ☐ No	Invoice Distribution	Indicate Filtered (F), Preserved (P) or Filte
	Copy of Invoice with Report ☐ Yes ☐ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	
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 FOX-M	GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only):

ALS Contact: E. Dobbin **Sampler:** Alex Kelly

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
	XL-Cycle-let Gen Chem and O&G	*03-Apr-25	9:03 AM	Effluent	R	R		3
	XL-Cycle-let Faecal A	*03-Apr-25	9:01 AM	Effluent			R	1
	XL-Cycle-let Faecal B	*03-Apr-25	9:01 AM	Effluent			R	1
	XL-Cycle-let Faecal C	*03-Apr-25	9:02 AM	Effluent			R	1

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		
7.7					

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:
				8-APR-25	11:40			

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.

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CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	: **WT2512422**		
Client	: **NASITTUQ CORPORATION**	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage	Date Samples Received	: 21-May-2025 12:00
PO	: ----	Date Analysis Commenced	: 23-May-2025
C-O-C number	: ----	Issue Date	: 28-May-2025 16:58
Sampler	: ----		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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*
Hannah Lewis	Inorganics Analyst	Inorganics, Waterloo, Ontario
Johanna Vargas	Analyst	Microbiology, Waterloo, Ontario
Rachel Cameron	Supervisor - Semi-Volatile Extractions	Organics, Waterloo, Ontario

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

>: 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
BODL	Limit of Reporting for BOD was increased to account for the largest volume of sample tested.
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
PEHR	Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.

Analytical Results Evaluation

Matrix: Water			Client sample ID	Cycle-let Gen Chem and O7G	Cycle-let Faecal A	Cycle-let Faecal B	Cycle-let Faecal C	----	----	----
			Client sampling date / time	05-May-2025 00:00	05-May-2025 00:00	05-May-2025 00:00	05-May-2025 00:00	----	----	----
			Sub-Matrix	Water	Water	Water	Water	----	----	----
Analyte	CAS Number	Method/Lab	Unit	WT2512422-001	WT2512422-002	WT2512422-003	WT2512422-004	----	----	----
				Result	Result	Result	Result	----	----	----
Microbiological Tests										
Coliforms, thermotolerant [fecal]	----	E012.FC/WT	CFU/100mL	----	40	60 DLM	42	----	----	----
Aggregate Organics										
Biochemical oxygen demand [BOD]	----	E550/WT	mg/L	<3.0 BODL, PEHR	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/WT	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/ WT	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/WT	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						
Microbiological Tests									
Coliforms, thermotolerant [fecal]		CFU/100mL	**10000 CFU/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	: **WT2512422**	Page	: 1 of 3
Client	: NASITTUQ CORPORATION	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage	Date Samples Received	: 21-May-2025 12:00
PO	: ----	Date Analysis Commenced	: 23-May-2025
C-O-C number	: ----	Issue Date	: 28-May-2025 17:00
Sampler	: ----		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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*
Hannah Lewis	Inorganics Analyst	Waterloo Inorganics, Waterloo, Ontario
Johanna Vargas	Analyst	Waterloo Microbiology, Waterloo, Ontario
Rachel Cameron	Supervisor - Semi-Volatile Extractions	Waterloo Organics, Waterloo, Ontario

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*
Microbiological Tests (QC Lot: 2011971)											
WT2512422-003	Cycle-let Faecal B	Coliforms, thermotolerant [fecal]	----	E012.FC	2	CFU/100mL	60	46	26.4%	65%	----
Aggregate Organics (QC Lot: 2011329)											
WT2512404-001	Anonymous	Biochemical oxygen demand [BOD]	----	E550	2.0	mg/L	3.9	3.2	18.4%	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
Microbiological Tests (QCLot: 2011971)						
Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	<1	----
Aggregate Organics (QCLot: 2011329)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 2018376)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics (QCLot: 2018377)						
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
Aggregate Organics (QCLot: 2011329)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	104	85.0	115	----
Aggregate Organics (QCLot: 2018376)									
Oil & grease (gravimetric)	----	E567	5	mg/L	200 mg/L	102	70.0	130	----
Aggregate Organics (QCLot: 2018377)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	100 mg/L	79.4	70.0	130	----

ALS Canada Ltd.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **WT2512422**	Page	: 1 of 5
Client	: **NASITTUQ CORPORATION**	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage	Date Samples Received	: 21-May-2025 12:00
PO	: ----	Issue Date	: 28-May-2025 16:58
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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-4d] Cycle-let Gen Chem and O7G	E550	05-May-2025	----	----	----		23-May-2025	4 days	18 days	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) Cycle-let Gen Chem and O7G	E567SG	05-May-2025	28-May-2025	28 days	24 days	✓	28-May-2025	28 days	24 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) Cycle-let Gen Chem and O7G	E567	05-May-2025	28-May-2025	28 days	24 days	✓	28-May-2025	28 days	24 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] Cycle-let Faecal A	E012.FC	05-May-2025	----	----	----		23-May-2025	48 hrs	445 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] Cycle-let Faecal B	E012.FC	05-May-2025	----	----	----		23-May-2025	48 hrs	445 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] Cycle-let Faecal C	E012.FC	05-May-2025	----	----	----		23-May-2025	48 hrs	445 hrs	× EHTR

Legend & Qualifier Definitions

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 (MF-mFC)	E012.FC	2011971	1	13	7.6	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2011329	1	20	5.0	5.0	✓
Laboratory Control Samples (LCS)							
Biochemical Oxygen Demand - 5 day	E550	2011329	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	2018376	1	1	100.0	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2018377	1	1	100.0	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC	2011971	1	13	7.6	5.0	✓
Biochemical Oxygen Demand - 5 day	E550	2011329	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	2018376	1	1	100.0	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2018377	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").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC ALS Environmental - Waterloo	Water	APHA 9222 D (mod)	Following filtration (0.45 µm), and incubation at 44.5 ±0.2°C for 22-26 hours, colonies exhibiting characteristic morphology of the target organism are enumerated and confirmed.
Biochemical Oxygen Demand - 5 day	E550 ALS Environmental - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.

B-427
GC-051
066-471

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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	GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only): WT2512422 MM | ALS Contact: E. Dobbin | Sampler: Alex* Kelly

Environmental Division Waterloo
Work Order Reference
WT2512422
Telephone : +1 519 886 6910

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
	- Cycle-let Gen Chem and O&G	05-May-25	10:30	Effluent	R	R											3
	- Cycle-let Faecal A	05-May-25	10:32	Effluent			R										1
	- Cycle-let Faecal B	05-May-25	10:33	Effluent			R										1
	- Cycle-let Faecal C	05-May-25	10:33	Effluent			R										1

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		
14.2			8.0		

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:
Dion Alcard	May 05 2025	10:30AM	Tammy Chartrand	May 21/05	12:00	KWP	22/may/25	11:30

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

ALS-FM-0326e v08 Front/94 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.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**WT2514473**		
Client	:	**NASITTUQ CORPORATION**	Laboratory	: ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	: Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	: 613 225 8279
Project	:	NWS Sewage - Hall Beach	Date Samples Received	: 09-Jun-2025 11:15
PO	:	88649	Date Analysis Commenced	: 09-Jun-2025
C-O-C number	:	----	Issue Date	: 16-Jun-2025 17:21
Sampler	:	DR		
Site	:	----		
Quote number	:	NWS SEWAGE TESTING - FOX-M		
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*
Hannah Lewis		Inorganics, Waterloo, Ontario
Johanna Vargas		Microbiology, Waterloo, Ontario
Rachel Cameron		Organics, Waterloo, Ontario
Walt Kippenhuck		Inorganics, Waterloo, Ontario

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.

Qualifiers

Qualifier	Description
BODL	Limit of Reporting for BOD was increased to account for the largest volume of sample tested.
PEHR	Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.

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	03-Jun-2025 16:40	03-Jun-2025 16:40	03-Jun-2025 16:40	03-Jun-2025 16:40	----	----	----
			Sub-Matrix	Effluent	Effluent	Effluent	Effluent	----	----	----
Analyte	CAS Number	Method/Lab	Unit	WT2514473-001	WT2514473-002	WT2514473-003	WT2514473-004	----	----	----
				Result	Result	Result	Result	----	----	----
Physical Tests										
pH	----	E108/WT	pH units	7.58	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/WT	mg/L	<3.0	----	----	----	----	----	----
Microbiological Tests										
Coliforms, thermotolerant [fecal]	----	E012.FC/WT	CFU/100mL	----	129 PEHR	123 PEHR	130 PEHR	----	----	----
Aggregate Organics										
Biochemical oxygen demand [BOD]	----	E550/WT	mg/L	<3.0 PEHR, BODL	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/WT	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/ WT	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/WT	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	**10000 CFU/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	----	----	----	----	----	----	----

QUALITY CONTROL REPORT

Work Order	: **WT2514473**	Page	: 1 of 4
Client	: NASITTUQ CORPORATION	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage - Hall Beach	Date Samples Received	: 09-Jun-2025 11:15
PO	: 88649	Date Analysis Commenced	: 09-Jun-2025
C-O-C number	: ----	Issue Date	: 16-Jun-2025 17:20
Sampler	: DR		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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*
Hannah Lewis	Inorganics Analyst	Waterloo Inorganics, Waterloo, Ontario
Johanna Vargas	Analyst	Waterloo Microbiology, Waterloo, Ontario
Rachel Cameron	Supervisor - Semi-Volatile Extractions	Waterloo Organics, Waterloo, Ontario
Walt Kippenhuck	Supervisor - Inorganic	Waterloo Inorganics, Waterloo, Ontario

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: 2041214)											
WT2514162-002	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	<3.0	<3.0	0	Diff <2x LOR	----
Physical Tests (QC Lot: 2045695)											
WT2514192-001	Anonymous	pH	----	E108	0.10	pH units	8.00	8.02	0.250%	4%	----
Microbiological Tests (QC Lot: 2041483)											
WT2514474-001	Anonymous	Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	<1	<1	0	Diff <2x LOR	----
Aggregate Organics (QC Lot: 2041224)											
WT2514429-001	Anonymous	Biochemical oxygen demand [BOD]	----	E550	3.0	mg/L	3.3	<3.0	8.9%	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: 2041214)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests (QCLot: 2041483)						
Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	<1	----
Aggregate Organics (QCLot: 2041224)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 2044789)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics (QCLot: 2044790)						
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: 2041214)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	98.5	85.0	115	----
Physical Tests (QCLot: 2045695)									
pH	----	E108	----	pH units	7 pH units	100	98.0	102	----
Aggregate Organics (QCLot: 2041224)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	104	85.0	115	----
Aggregate Organics (QCLot: 2044789)									
Oil & grease (gravimetric)	----	E567	5	mg/L	200 mg/L	95.1	70.0	130	----
Aggregate Organics (QCLot: 2044790)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	100 mg/L	97.4	70.0	130	----

ALS Canada Ltd.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **WT2514473**	Page	: 1 of 6
Client	: **NASITTUQ CORPORATION**	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage - Hall Beach	Date Samples Received	: 09-Jun-2025 11:15
PO	: 88649	Issue Date	: 16-Jun-2025 17:20
C-O-C number	: ----		
Sampler	: DR		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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-4d] CYCLE-ET GEN CHEM AND OGG	E550	03-Jun-2025	----	----	----		09-Jun-2025	4 days	5 days	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) CYCLE-ET GEN CHEM AND OGG	E567SG	03-Jun-2025	11-Jun-2025	28 days	8 days	✓	13-Jun-2025	28 days	8 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) CYCLE-ET GEN CHEM AND OGG	E567	03-Jun-2025	11-Jun-2025	28 days	8 days	✓	13-Jun-2025	28 days	8 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] CYCLE-LET FECAL A	E012.FC	03-Jun-2025	----	----	----		09-Jun-2025	48 hrs	143 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] CYCLE-LET FECAL B	E012.FC	03-Jun-2025	----	----	----		09-Jun-2025	48 hrs	143 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] CYCLE-LET FECAL C	E012.FC	03-Jun-2025	----	----	----		09-Jun-2025	48 hrs	143 hrs	× EHTR
Physical Tests : pH by Meter										
HDPE [ON MECP] CYCLE-ET GEN CHEM AND OGG	E108	03-Jun-2025	11-Jun-2025	14 days	8 days	✓	12-Jun-2025	14 days	8 days	✓

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 [ON MECP]										
CYCLE-ET GEN CHEM AND OGG	E160	03-Jun-2025	----	----	----		09-Jun-2025	7 days	6 days	✓

Legend & Qualifier Definitions

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 (MF-mFC)	E012.FC	2041483	1	9	11.1	5.0	✓
pH by Meter	E108	2045695	1	16	6.2	5.0	✓
TSS by Gravimetry	E160	2041214	1	20	5.0	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	2041224	1	6	16.6	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	2045695	1	16	6.2	5.0	✓
TSS by Gravimetry	E160	2041214	1	20	5.0	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	2041224	1	6	16.6	5.0	✓
Oil & Grease by Gravimetry	E567	2044789	1	6	16.6	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2044790	1	4	25.0	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC	2041483	1	9	11.1	5.0	✓
TSS by Gravimetry	E160	2041214	1	20	5.0	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	2041224	1	6	16.6	5.0	✓
Oil & Grease by Gravimetry	E567	2044789	1	6	16.6	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2044790	1	4	25.0	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 (MF-mFC)	E012.FC ALS Environmental - Waterloo	Water	APHA 9222 D (mod)	Following filtration (0.45 µm), and incubation at 44.5 ±0.2°C for 22-26 hours, colonies exhibiting characteristic morphology of the target organism are enumerated and confirmed.
pH by Meter	E108 ALS Environmental - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.

GC - 194
OGG - 531

Chain of Custody (COC) / Analytical Request Form

COC Number: 22 -

Page 1 of 1

QP

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Environmental Division Waterloo
Work Order Reference
WT2514473

Telephone : +1 519 886 6910

Report To	Contact and company name below will appear on the final report
Company:	Nasittuq Corporation - NATT100
Contact:	Alaina 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:	

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

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 minin
☐ 3 day [P3] if received by 3pm M-F - 25% rush surcharge minin
☐ 2 day [P2] if received by 3pm M-F - 50% rush surcharge minin
☐ 1 day [E] if received by 3pm M-F - 100% rush surcharge minin
☐ Same day [E2] if received by 10am M-S - 200% rush surcharg
Additional fees may apply to rush requests on weeken
Date and Time Required for all E&P TATs:
For all tests with rush TATs requested, please

Project Information

ALS Account # / Quote #:	WT2023NATT1000004
Job #:	NWS Sewage - Hall Beach
PO / AFE:	88649
LSD:	

JD

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (ALS use only):

ALS Contact: Costas Farassoglou

Sampler: Darrell Russell

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	03/06/25	16:40	EFFLUENT	4	R	R	R	R				
	_____ - Cycle-let Fecal A	03/06/25	16:40	EFFLUENT	1					R			
	_____ - Cycle-let Fecal B	03/06/25	16:40	EFFLUENT	1					R			
	_____ - Cycle-let Fecal C	03/06/25	16:40	EFFLUENT	1					R			

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)

PH=5

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			
20.5			7.1			

SHIPMENT RELEASE (client use)

Released by:	Date:	Time:
Dion Akearok	June 03 2025	12:00PM

INITIAL SHIPMENT RECEPTION (ALS use only)

Received by:	Date:	Time:
	6-JUNE-2025	11:15

FINAL SHIPMENT RECEPTION (ALS use only)

Received by:	Date:	Time:
	6-7 25	11:00

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	:	**WT2518638**			
Client	:	**NASITTUQ CORPORATION**	Laboratory	:	ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	:	Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	:	60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	:	613 225 8279
Project	:	NWS Sewage - Hall Beach	Date Samples Received	:	11-Jul-2025 12:05
PO	:	88649	Date Analysis Commenced	:	12-Jul-2025
C-O-C number	:	----	Issue Date	:	18-Jul-2025 14:22
Sampler	:	AK			
Site	:	----			
Quote number	:	NWS SEWAGE TESTING - FOX-M			
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*
Hannah Lewis		Inorganics, Waterloo, Ontario
Johanna Vargas		Microbiology, Waterloo, Ontario
Rachel Cameron		Organics, Waterloo, Ontario
Walt Kippenhuck		Inorganics, Waterloo, Ontario

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.

Qualifiers

Qualifier	Description
BODL	Limit of Reporting for BOD was increased to account for the largest volume of sample tested.
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
PEHR	Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.

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	07-Jul-2025 10:20	07-Jul-2025 10:21	07-Jul-2025 10:22	07-Jul-2025 10:23	----	----	----
				Sub-Matrix	Effluent	Effluent	Effluent	Effluent	----	----	----
					WT2518638-001	WT2518638-002	WT2518638-003	WT2518638-004	----	----	----
					Result	Result	Result	Result	----	----	----
Physical Tests											
pH	----	E108/WT	pH units		8.15	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/WT	mg/L		<3.0	----	----	----	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	E012.FC/WT	CFU/100mL		----	139 PEHR	120 DLM, PEHR	142 PEHR	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	E550/WT	mg/L		<3.0 BODL, PEHR	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/WT	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/ WT	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/WT	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	**10000 CFU/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	: **WT2518638**	Page	: 1 of 4
Client	: NASITTUQ CORPORATION	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage - Hall Beach	Date Samples Received	: 11-Jul-2025 12:05
PO	: 88649	Date Analysis Commenced	: 12-Jul-2025
C-O-C number	: ----	Issue Date	: 18-Jul-2025 14:22
Sampler	: AK		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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*
Hannah Lewis	Inorganics Analyst	Waterloo Inorganics, Waterloo, Ontario
Johanna Vargas	Analyst	Waterloo Microbiology, Waterloo, Ontario
Rachel Cameron	Supervisor - Semi-Volatile Extractions	Waterloo Organics, Waterloo, Ontario
Walt Kippenhuck	Supervisor - Inorganic	Waterloo Inorganics, Waterloo, Ontario

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: 2105469)											
WT2518038-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	5.3	9.3	4.0	Diff <2x LOR	----
Physical Tests (QC Lot: 2106231)											
HA2502388-001	Anonymous	pH	----	E108	0.10	pH units	7.85	7.84	0.127%	4%	----
Microbiological Tests (QC Lot: 2103747)											
WT2518638-004	CYCLE-LET FECAL C	Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	142	135	5.05%	65%	----
Aggregate Organics (QC Lot: 2103723)											
WT2518392-006	Anonymous	Biochemical oxygen demand [BOD]	----	E550	2.0	mg/L	3.9	4.0	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: 2105469)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests (QCLot: 2103747)						
Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	<1	----
Aggregate Organics (QCLot: 2103723)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 2108543)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics (QCLot: 2108544)						
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: 2105469)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	97.8	85.0	115	----
Physical Tests (QCLot: 2106231)									
pH	----	E108	----	pH units	7 pH units	101	98.0	102	----
Aggregate Organics (QCLot: 2103723)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	94.4	85.0	115	----
Aggregate Organics (QCLot: 2108543)									
Oil & grease (gravimetric)	----	E567	5	mg/L	200 mg/L	83.6	70.0	130	----
Aggregate Organics (QCLot: 2108544)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	100 mg/L	71.0	70.0	130	----

ALS Canada Ltd.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **WT2518638**	Page	: 1 of 6
Client	: **NASITTUQ CORPORATION**	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage - Hall Beach	Date Samples Received	: 11-Jul-2025 12:05
PO	: 88649	Issue Date	: 18-Jul-2025 14:22
C-O-C number	: ----		
Sampler	: AK		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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-4d] CYCLE-ET GEN CHEM AND OGG	E550	07-Jul-2025	----	----	----		12-Jul-2025	4 days	5 days	× EHTL
Aggregate Organics : Mineral Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) CYCLE-ET GEN CHEM AND OGG	E567SG	07-Jul-2025	16-Jul-2025	28 days	9 days	✓	17-Jul-2025	28 days	9 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) CYCLE-ET GEN CHEM AND OGG	E567	07-Jul-2025	16-Jul-2025	28 days	9 days	✓	17-Jul-2025	28 days	9 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] CYCLE-LET FECAL A	E012.FC	07-Jul-2025	----	----	----		12-Jul-2025	48 hrs	124 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] CYCLE-LET FECAL B	E012.FC	07-Jul-2025	----	----	----		12-Jul-2025	48 hrs	124 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] CYCLE-LET FECAL C	E012.FC	07-Jul-2025	----	----	----		12-Jul-2025	48 hrs	124 hrs	× EHTR
Physical Tests : pH by Meter										
HDPE [ON MECP] CYCLE-ET GEN CHEM AND OGG	E108	07-Jul-2025	15-Jul-2025	14 days	8 days	✓	16-Jul-2025	14 days	8 days	✓

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 [ON MECP]										
CYCLE-ET GEN CHEM AND OGG	E160	07-Jul-2025	----	----	----		14-Jul-2025	7 days	7 days	✓

Legend & Qualifier Definitions

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 (MF-mFC)	E012.FC	2103747	1	3	33.3	5.0	✓
pH by Meter	E108	2106231	1	5	20.0	5.0	✓
TSS by Gravimetry	E160	2105469	1	20	5.0	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	2103723	1	20	5.0	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	2106231	1	5	20.0	5.0	✓
TSS by Gravimetry	E160	2105469	1	20	5.0	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	2103723	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	2108543	1	6	16.6	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2108544	1	2	50.0	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC	2103747	1	3	33.3	5.0	✓
TSS by Gravimetry	E160	2105469	1	20	5.0	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	2103723	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	2108543	1	6	16.6	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2108544	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 (MF-mFC)	E012.FC ALS Environmental - Waterloo	Water	APHA 9222 D (mod)	Following filtration (0.45 µm), and incubation at 44.5 ±0.2°C for 22-26 hours, colonies exhibiting characteristic morphology of the target organism are enumerated and confirmed.
pH by Meter	E108 ALS Environmental - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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

COC Number: 22 -

Page 1 of 1

Environmental Division Waterloo

Work Order Reference WT2518638

Telephone : +1 519 886 6910

Report To	Contact and company name below will appear on the final report
Company:	Nasittuq Corporation - NATT100
Contact:	Alaina 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:	

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:

Turnaround Time (TAT) Requested

☑ Routine [R] if received by 3pm M-F - no surcharges app

☐ 4 day [P4] if received by 3pm M-F - 20% rush surcharge

☐ 3 day [P3] if received by 3pm M-F - 25% rush surcharg

☐ 2 day [P2] if received by 3pm M-F - 50% rush surcharge

☐ 1 day [E] if received by 3pm M-F - 100% rush surcharge

☐ Same day [E2] if received by 10am M-S - 200% rush su

Additional fees may apply to rush requests on we

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.

Project Information

ALS Account # / Quote #: WT2023NATT1000004

Job #: NWS Sewage - Hall Beach

PO / AFE: 88649

LSD:

ALS Lab Work Order # (ALS use only):

ALS Contact: Costas Farassoglou

Sampler: Alex Kelly

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	07-Jul-25	10:20	EFFLUENT	4	R	R	R	R				
	_____ - Cycle-let Fecal A	07-Jul-25	10:21	EFFLUENT	1					R			
	_____ - Cycle-let Fecal B	07-Jul-25	10:22	EFFLUENT	1					R			
	_____ - Cycle-let Fecal C	07-Jul-25	10:23	EFFLUENT	1					R			

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 Simple Custody Seals Intact: ☐ YES ☐ N/A

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
23.6				7.9			

SHIPMENT RELEASE (client use)

Released by: Dion Akeavok Date: July 8 2025 Time: 3:00pm

INITIAL SHIPMENT RECEPTION (ALS use only)

Received by: CSTAFF Date: 11-JULY-2025 Time: 12:05

FINAL SHIPMENT RECEPTION (ALS use only)

Received by: AG Date: 7/12/25 Time: 10:30

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.**

099-628 GC-424

B-543

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**WT2521505**		
Client	:	**Nasittuq Corporation**	Laboratory	: ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	: Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	: 613 225 8279
Project	:	NWS Sewage - Hall Beach	Date Samples Received	: 06-Aug-2025 11:00
PO	:	88649	Date Analysis Commenced	: 07-Aug-2025
C-O-C number	:	----	Issue Date	: 14-Aug-2025 11:08
Sampler	:	00007901		
Site	:	----		
Quote number	:	NWS SEWAGE TESTING - FOX-M		
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*
Hannah Lewis		Inorganics, Waterloo, Ontario
Jeminikumari Patel		Microbiology, Waterloo, Ontario
Jon Fisher		Inorganics, Waterloo, Ontario
Manuel TavaraTello		Organics, Waterloo, Ontario

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.

Qualifiers

Qualifier	Description
BODL	Limit of Reporting for BOD was increased to account for the largest volume of sample tested.
PEHR	Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.

Analytical Results Evaluation

Matrix: Water			Client sample ID	Cycle-et Genchem and OGG ----	Cycle-let Fecal ----	Cycle-let Fecal ----	Cycle-let Fecal ----	----	----	----
			Client sampling date / time	01-Aug-2025 09:30	01-Aug-2025 09:30	01-Aug-2025 09:30	01-Aug-2025 09:30	----	----	----
			Sub-Matrix	Water	Water	Water	Water	----	----	----
Analyte	*CAS Number*	*Method/Lab*	*Unit*	**WT2521505-001**	**WT2521505-002**	**WT2521505-003**	**WT2521505-004**	----	----	----
				Result	Result	Result	Result	----	----	----
Physical Tests										
pH	----	E108/WT	pH units	8.21	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/WT	mg/L	<3.0	----	----	----	----	----	----
Microbiological Tests										
Coliforms, thermotolerant [fecal]	----	E012.FC/WT	CFU/100mL	----	46 PEHR	55 PEHR	49 PEHR	----	----	----
Aggregate Organics										
Biochemical oxygen demand [BOD]	----	E550/WT	mg/L	<3.0 PEHR, BODL	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/WT	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/ WT	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/WT	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	: **WT2521505**	Page	: 1 of 4
Client	: Nasittuq Corporation	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage - Hall Beach	Date Samples Received	: 06-Aug-2025 11:00
PO	: 88649	Date Analysis Commenced	: 07-Aug-2025
C-O-C number	: ----	Issue Date	: 14-Aug-2025 11:07
Sampler	: 00007901		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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*
Hannah Lewis	Inorganics Analyst	Waterloo Inorganics, Waterloo, Ontario
Jeminikumari Patel	Analyst	Waterloo Microbiology, Waterloo, Ontario
Jon Fisher	Laboratory Manager - Environmental	Waterloo Inorganics, Waterloo, Ontario
Manuel TavaraTello	Supervisor - Semi-Volatile Extractions	Waterloo Organics, Waterloo, Ontario

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: 2149449)											
WT2521287-001	Anonymous	Solids, total suspended [TSS]	----	E160	5.0	mg/L	68.2	70.2	2.89%	20%	----
Physical Tests (QC Lot: 2154960)											
WT2520129-001	Anonymous	pH	----	E108	0.10	pH units	8.15	8.16	0.123%	4%	----
Microbiological Tests (QC Lot: 2148477)											
WT2521490-001	Anonymous	Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	<1	<1	0	Diff <2x LOR	----
Aggregate Organics (QC Lot: 2149744)											
WT2521465-001	Anonymous	Biochemical oxygen demand [BOD]	----	E550	3.0	mg/L	<3.0	3.2	5.5%	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: 2149449)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests (QCLot: 2148477)						
Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	<1	----
Aggregate Organics (QCLot: 2149744)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 2152642)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics (QCLot: 2152643)						
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: 2149449)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	106	85.0	115	----
Physical Tests (QCLot: 2154960)									
pH	----	E108	----	pH units	7 pH units	100	98.0	102	----
Aggregate Organics (QCLot: 2149744)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	111	85.0	115	----
Aggregate Organics (QCLot: 2152642)									
Oil & grease (gravimetric)	----	E567	5	mg/L	200 mg/L	98.9	70.0	130	----
Aggregate Organics (QCLot: 2152643)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	100 mg/L	93.2	70.0	130	----

ALS Canada Ltd.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **WT2521505**	Page	: 1 of 5
Client	: **Nasittuq Corporation**	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage - Hall Beach	Date Samples Received	: 06-Aug-2025 11:00
PO	: 88649	Issue Date	: 14-Aug-2025 11:07
C-O-C number	: ----		
Sampler	: 00007901		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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-4d] Cycle-et Genchem and OGG	E550	01-Aug-2025	----	----	----		08-Aug-2025	4 days	7 days	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) Cycle-et Genchem and OGG	E567SG	01-Aug-2025	10-Aug-2025	28 days	10 days	✓	12-Aug-2025	28 days	10 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) Cycle-et Genchem and OGG	E567	01-Aug-2025	10-Aug-2025	28 days	10 days	✓	12-Aug-2025	28 days	10 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] Cycle-let Fecal, Cycle-let Fecal, Cycle-let Fecal	E012.FC	01-Aug-2025	----	----	----		07-Aug-2025	48 hrs	150 hrs	× EHTR
Physical Tests : pH by Meter										
HDPE [ON MECP] Cycle-et Genchem and OGG	E108	01-Aug-2025	12-Aug-2025	14 days	11 days	✓	12-Aug-2025	14 days	11 days	✓
Physical Tests : TSS by Gravimetry										
HDPE [ON MECP] Cycle-et Genchem and OGG	E160	01-Aug-2025	----	----	----		11-Aug-2025	7 days	10 days	× EHT

Legend & Qualifier Definitions

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 (MF-mFC)	E012.FC	2148477	1	7	14.2	5.0	✓
pH by Meter	E108	2154960	1	12	8.3	5.0	✓
TSS by Gravimetry	E160	2149449	1	20	5.0	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	2149744	1	20	5.0	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	2154960	1	12	8.3	5.0	✓
TSS by Gravimetry	E160	2149449	1	20	5.0	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	2149744	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	2152642	1	20	5.0	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2152643	1	5	20.0	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC	2148477	1	7	14.2	5.0	✓
TSS by Gravimetry	E160	2149449	1	20	5.0	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	2149744	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	2152642	1	20	5.0	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2152643	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
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC ALS Environmental - Waterloo	Water	APHA 9222 D (mod)	Following filtration (0.45 µm), and incubation at 44.5 ±0.2°C for 22-26 hours, colonies exhibiting characteristic morphology of the target organism are enumerated and confirmed.
pH by Meter	E108 ALS Environmental - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.

B-662
GC-561
OGG-728

Chain of Custody (COC) / Analytical Request Form

COC Number: 22 -

Page of

Canada Toll Free: 1 800 668 9878

www.alsglobal.com

Environmental Division Waterloo

Work Order Reference

WT2521505

Telephone : +1 519 886 6910

Report To	Contact and company name below will appear on the final report
Company:	Nasittuq Corporation - NATT100
Contact:	Alaina 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:	

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

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 mini
☐ 3 day [P3] if received by 3pm M-F - 25% rush surcharge min
☐ 2 day [P2] if received by 3pm M-F - 50% rush surcharge min
☐ 1 day [E] if received by 3pm M-F - 100% rush surcharge min
☐ Same day [E2] if received by 10am M-S - 200% rush surchar

Additional fees may apply to rush requests on weeken

Date and Time Required for all E&P TATs:

For all tests with rush TATs requested, please

Project Information

ALS Account # / Quote #:	WT2023NATT1000004
Job #:	NWS Sewage - Hall Beach
PO / AFE:	88649
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#:
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (ALS use only): WT2521505 AH.

ALS Contact: Costas Farassoglou

Sampler: 0000790 1

Analysis Request

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	01-08-25	09:30	EFFLUENT	4	R	R	R	R				
	_____ - Cycle-let Fecal A	01-08-25	09:30	EFFLUENT	1					R			
	_____ - Cycle-let Fecal B	01-08-25	09:30	EFFLUENT	1					R			
	_____ - Cycle-let Fecal C	01-08-25	09:30	EFFLUENT	1					R			

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

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)

pH - 6

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			
21.7				16.3			

SHIPMENT RELEASE (client use)

Released by:	Date:	Time:
Dion Akearok	01-08-2025	

INITIAL SHIPMENT RECEPTION (ALS use only)

Received by:	Date:	Time:
Tammy Chartrand	Aug 6th 2025	11:00

FINAL SHIPMENT RECEPTION (ALS use only)

Received by:	Date:	Time:
MLP	7/AUG/26	9:00

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.**

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CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**WT2525171**		
Client	:	**Nasittuq Corporation**	Laboratory	: ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	: Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	: 613 225 8279
Project	:	NWS Sewage - Hall Beach	Date Samples Received	: 08-Sep-2025 11:40
PO	:	88649	Date Analysis Commenced	: 09-Sep-2025
C-O-C number	:	----	Issue Date	: 18-Mar-2026 09:58
Sampler	:	00007901		
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*
Hannah Lewis	Inorganics Analyst	Inorganics, Waterloo, Ontario
Johanna Vargas	Analyst	Microbiology, Waterloo, Ontario
Rachel Cameron	Supervisor - Semi-Volatile Extractions	Organics, Waterloo, Ontario
Walt Kippenhuck	Supervisor - Inorganic	Inorganics, Waterloo, Ontario

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.

Qualifiers

Qualifier	Description
BODL	Limit of Reporting for BOD was increased to account for the largest volume of sample tested.
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
PEHR	Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.

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 10:30	02-Sep-2025 10:30	02-Sep-2025 10:30	02-Sep-2025 10:30	----	----	----
				Sub-Matrix	Water	Water	Water	Water	----	----	----
					WT2525171-001	WT2525171-002	WT2525171-003	WT2525171-004	----	----	----
					Result	Result	Result	Result	----	----	----
Physical Tests											
pH	----	E108/WT	pH units		8.39	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/WT	mg/L		<3.0	----	----	----	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	E012.FC/WT	CFU/100mL		----	<10 DLM, PEHR	<100 DLM, PEHR	<100 DLM, PEHR	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	E550/WT	mg/L		<3.0 PEHR, BODL	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/WT	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/ WT	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/WT	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	**10000 CFU/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	----	----	----	----	----	----	----

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QUALITY CONTROL REPORT

Work Order	: **WT2525171**		
Client	: Nasittuq Corporation	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage - Hall Beach	Date Samples Received	: 08-Sep-2025 11:40
PO	: 88649	Date Analysis Commenced	: 09-Sep-2025
C-O-C number	: ----	Issue Date	: 18-Mar-2026 09:58
Sampler	: 00007901		
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*
Hannah Lewis	Inorganics Analyst	Waterloo Inorganics, Waterloo, Ontario
Johanna Vargas	Analyst	Waterloo Microbiology, Waterloo, Ontario
Rachel Cameron	Supervisor - Semi-Volatile Extractions	Waterloo Organics, Waterloo, Ontario
Walt Kippenhuck	Supervisor - Inorganic	Waterloo Inorganics, Waterloo, Ontario

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: 2209303)											
WT2524780-001	Anonymous	pH	----	E108	0.10	pH units	8.64	8.64	0.00 %	4%	---
Physical Tests(QC Lot: 2210343)											
WT2524741-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	<3.0	<3.0	0	Diff <2x LOR	---
Aggregate Organics(QC Lot: 2207559)											
WT2525086-001	Anonymous	Biochemical oxygen demand [BOD]	----	E550	3.0	mg/L	<3.0	<3.0	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: 2209303)						
pH	----	E108	----	pH units	----	----
Physical Tests(QC Lot: 2210343)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests(QC Lot: 2209829)						
Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	<1	----
Aggregate Organics(QC Lot: 2207559)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics(QC Lot: 2214201)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics(QC Lot: 2214202)						
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: 2209303)									
pH	----	E108	----	pH units	7 pH units	101	98.0	102	----
Physical Tests(QC Lot: 2210343)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	100	85.0	115	----
Aggregate Organics(QC Lot: 2207559)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	104	85.0	115	----
Aggregate Organics(QC Lot: 2214201)									
Oil & grease (gravimetric)	----	E567	5	mg/L	200 mg/L	95.1	70.0	130	----
Aggregate Organics(QC Lot: 2214202)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	100 mg/L	90.7	70.0	130	----

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Quality Control Interpretive Report

Work Order	:	**WT2525171**			
Client	:	Nasittuq Corporation	Laboratory	:	ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	:	Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	:	60 Northland Road, Unit 1 Waterloo Ontario Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	:	613 225 8279
Project	:	NWS Sewage - Hall Beach	Date Samples Received	:	08-Sep-2025 11:40
PO	:	88649	Issue Date	:	18-Mar-2026 09:58
C-O-C number	:	----			
Sampler	:	00007901			
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

- 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-4d]												
CYCLE-ET GEN CHEM AND OGG	001	2207559	E550	02-Sep-2025	----	----	----		09-Sep-2025	4 days	7 days	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry												
Amber glass total (hydrochloric acid)												
CYCLE-ET GEN CHEM AND OGG	001	2214202	E567SG	02-Sep-2025	12-Sep-2025	28 days	10 days	✓	12-Sep-2025	28 days	10 days	✓
Aggregate Organics : Oil & Grease by Gravimetry												
Amber glass total (hydrochloric acid)												
CYCLE-ET GEN CHEM AND OGG	001	2214201	E567	02-Sep-2025	12-Sep-2025	28 days	10 days	✓	12-Sep-2025	28 days	10 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)												
Sterile HDPE (sodium thiosulfate) [ON MECP]												
CYCLE-LET FECAL A	002	2209829	E012.FC	02-Sep-2025	----	----	----		10-Sep-2025	48 hrs	192 hrs	× EHTR
CYCLE-LET FECAL B	003	2209829	E012.FC	02-Sep-2025	----	----	----		10-Sep-2025	48 hrs	192 hrs	× EHTR
CYCLE-LET FECAL C	004	2209829	E012.FC	02-Sep-2025	----	----	----		10-Sep-2025	48 hrs	192 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 [ON MECP]												
CYCLE-ET GEN CHEM AND OGG	001	2209303	E108	02-Sep-2025	10-Sep-2025	14 days	8 days	✓	10-Sep-2025	14 days	8 days	✓
Physical Tests : TSS by Gravimetry												
HDPE [ON MECP]												
CYCLE-ET GEN CHEM AND OGG	001	2210343	E160	02-Sep-2025	----	----	----		10-Sep-2025	7 days	8 days	× EHT

Legend & Qualifier Definitions

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 (MF-mFC)	E012.FC	2209829	0	13	0.0	5.0	×
pH by Meter	E108	2209303	1	6	16.7	5.0	✓
TSS by Gravimetry	E160	2210343	1	20	5.0	4.8	✓
Biochemical Oxygen Demand - 5 day	E550	2207559	1	12	8.3	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	2209303	1	6	16.7	5.0	✓
TSS by Gravimetry	E160	2210343	1	20	5.0	4.8	✓
Biochemical Oxygen Demand - 5 day	E550	2207559	1	12	8.3	5.0	✓
Oil & Grease by Gravimetry	E567	2214201	1	18	5.6	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2214202	1	10	10.0	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC	2209829	1	13	7.7	5.0	✓
TSS by Gravimetry	E160	2210343	1	20	5.0	4.8	✓
Biochemical Oxygen Demand - 5 day	E550	2207559	1	12	8.3	5.0	✓
Oil & Grease by Gravimetry	E567	2214201	1	18	5.6	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2214202	1	10	10.0	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 (MF-mFC)	E012.FC ALS Environmental - Waterloo	Water	APHA 9222 D (mod)	Following filtration (0.45 µm), and incubation at 44.5 ±0.2°C for 22-26 hours, colonies exhibiting characteristic morphology of the target organism are enumerated and confirmed.
TSS by Gravimetry	E160 ALS Environmental - Waterloo	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

ALS www.alsglobal.com

Canada Toll Free: 1 800 668 9878

COC Number: 22 -

Page 1 of 1 - MJ

Environmental Division
Waterloo
Work Order Reference
WT2525171

Telephone : +1 519 886 6910

Report To	Contact and company name below will appear on the final report
Company:	Nasittuq Corporation - NATT100
Contact:	Alaina 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:	

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

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 minimu
- ☐ 3 day [P3] if received by 3pm M-F - 25% rush surcharge minimu
- ☐ 2 day [P2] if received by 3pm M-F - 50% rush surcharge minimu
- ☐ 1 day [E] if received by 3pm M-F - 100% rush surcharge minimu
- ☐ Same day [E2] if received by 10am M-S - 200% rush surcharge.

Additional fees may apply to rush requests on weekends, s

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.

Project Information	
ALS Account # / Quote #:	WT2023NATT1000004
Job #:	NWS Sewage - Hall Beach
PO / AFE:	88649
LSD:	

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

ALS Lab Work Order # (ALS use only): WT2525171 NTB

ALS Contact: Costas Farassoglou

Sampler: 00007901

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	02-09-2025	10:30AM	EFFLUENT	4	R	R	R	R				
	- Cycle-let Fecal A	↓	↓	EFFLUENT	1					R			
	- Cycle-let Fecal B			EFFLUENT	1					R			
	- Cycle-let Fecal C			EFFLUENT	1					R			

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: 18.2

FINAL COOLER TEMPERATURES °C: 9.9

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (ALS use only)			FINAL SHIPMENT RECEPTION (ALS use only)		
Released by: Dion AKEAROK	Date: SEP 02 2025	Time: 5:20	Received by: COSTA-F	Date: 8-SEP-2025	Time: 11:40	Received by: AP	Date: 9 Sept-25	Time: 9:00

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**.

PH = 6

B-674 CG-770 OGG-[illegible]

ALS Canada Ltd.

right solutions.
right partner.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**WT2529597**		
Client	:	**Nasittuq Corporation**	Laboratory	: ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	: Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	: 613 225 8279
Project	:	NWS Sewage - Hall Beach	Date Samples Received	: 16-Oct-2025 12:45
PO	:	88649	Date Analysis Commenced	: 17-Oct-2025
C-O-C number	:	----	Issue Date	: 23-Oct-2025 15:25
Sampler	:	Alex Kelly		
Site	:	----		
Quote number	:	NWS SEWAGE TESTING - FOX-M		
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*
Jeminikumari Patel	Analyst	Microbiology, Waterloo, Ontario
Jocelyn Kennedy	Department Manager - Semi-Volatile Organics	Organics, Waterloo, Ontario
Walt Kippenhuck	Supervisor - Inorganic	Inorganics, Waterloo, Ontario

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.

Workorder Comments

Sample(s)-002 CYCLE-LET FECAL A, -003 CYCLE-LET FECAL B and -004 CYCLE-LET FECAL C: Exceeded Recommended Holding Time prior to receipt at the lab for Microbiology analysis.

Qualifiers

Qualifier	Description
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
PEHR	Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.

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	09-Oct-2025 09:30	09-Oct-2025 09:31	09-Oct-2025 09:31	09-Oct-2025 09:32	----	----	----
				Sub-Matrix	Water	Water	Water	Water	----	----	----
					WT2529597-001	WT2529597-002	WT2529597-003	WT2529597-004	----	----	----
					Result	Result	Result	Result	----	----	----
Physical Tests											
pH	----	E108/WT	pH units		8.10	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/WT	mg/L		<3.0	----	----	----	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	E012.FC/WT	CFU/100mL		----	7200 DLM, PEHR	440 DLM, PEHR	3300 DLM, PEHR	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	E550/WT	mg/L		5.4 PEHR	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/WT	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/WT	mg/L		<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/WT	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	**10000 CFU/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	----	----	----	----	----	----	----

QUALITY CONTROL REPORT

Work Order	: **WT2529597**	Page	: 1 of 4
Client	: Nasittuq Corporation	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage - Hall Beach	Date Samples Received	: 16-Oct-2025 12:45
PO	: 88649	Date Analysis Commenced	: 17-Oct-2025
C-O-C number	: ----	Issue Date	: 23-Oct-2025 15:25
Sampler	: Alex Kelly		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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*
Jeminikumari Patel	Analyst	Waterloo Microbiology, Waterloo, Ontario
Jocelyn Kennedy	Department Manager - Semi-Volatile Organics	Waterloo Organics, Waterloo, Ontario
Walt Kippenhuck	Supervisor - Inorganic	Waterloo Inorganics, Waterloo, Ontario

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: 2282250)											
WT2529074-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	4.3	5.1	0.8	Diff <2x LOR	----
Physical Tests (QC Lot: 2288109)											
WT2529708-001	Anonymous	pH	----	E108	0.10	pH units	8.38	8.37	0.119%	4%	----
Aggregate Organics (QC Lot: 2282133)											
WT2529455-001	Anonymous	Biochemical oxygen demand [BOD]	----	E550	3.0	mg/L	<3.0	<3.0	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: 2282250)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests (QCLot: 2282563)						
Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	<1	----
Aggregate Organics (QCLot: 2282133)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 2290473)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics (QCLot: 2290474)						
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: 2282250)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	95.2	85.0	115	----
Physical Tests (QCLot: 2288109)									
pH	----	E108	----	pH units	7 pH units	101	98.0	102	----
Aggregate Organics (QCLot: 2282133)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	104	85.0	115	----
Aggregate Organics (QCLot: 2290473)									
Oil & grease (gravimetric)	----	E567	5	mg/L	200 mg/L	95.1	70.0	130	----
Aggregate Organics (QCLot: 2290474)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	100 mg/L	82.4	70.0	130	----

ALS Canada Ltd.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **WT2529597**	Page	: 1 of 6
Client	: **Nasittuq Corporation**	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage - Hall Beach	Date Samples Received	: 16-Oct-2025 12:45
PO	: 88649	Issue Date	: 23-Oct-2025 15:25
C-O-C number	: ----		
Sampler	: Alex Kelly		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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 [BOD HT-4d] CYCLE-ET GEN CHEM AND OGG	E550	09-Oct-2025	----	----	----		17-Oct-2025	4 days	8 days	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) CYCLE-ET GEN CHEM AND OGG	E567SG	09-Oct-2025	22-Oct-2025	28 days	13 days	✓	23-Oct-2025	28 days	13 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass (hydrochloric acid) CYCLE-ET GEN CHEM AND OGG	E567	09-Oct-2025	22-Oct-2025	28 days	13 days	✓	23-Oct-2025	28 days	13 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] CYCLE-LET FECAL A	E012.FC	09-Oct-2025	----	----	----		17-Oct-2025	48 hrs	196 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] CYCLE-LET FECAL B	E012.FC	09-Oct-2025	----	----	----		17-Oct-2025	48 hrs	196 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] CYCLE-LET FECAL C	E012.FC	09-Oct-2025	----	----	----		17-Oct-2025	48 hrs	196 hrs	× EHTR
Physical Tests : pH by Meter										
HDPE [ON MECP] CYCLE-ET GEN CHEM AND OGG	E108	09-Oct-2025	21-Oct-2025	14 days	12 days	✓	21-Oct-2025	14 days	12 days	✓

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 [ON MECP]										
CYCLE-ET GEN CHEM AND OGG	E160	09-Oct-2025	----	----	----		17-Oct-2025	7 days	8 days	× EHTL

Legend & Qualifier Definitions

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 (MF-mFC)	E012.FC	2282563	0	3	0.0	5.0	✗
pH by Meter	E108	2288109	1	17	5.8	5.0	✓
TSS by Gravimetry	E160	2282250	1	20	5.0	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	2282133	1	20	5.0	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	2288109	1	17	5.8	5.0	✓
TSS by Gravimetry	E160	2282250	1	20	5.0	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	2282133	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	2290473	1	20	5.0	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2290474	1	18	5.5	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC	2282563	1	3	33.3	5.0	✓
TSS by Gravimetry	E160	2282250	1	20	5.0	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	2282133	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	2290473	1	20	5.0	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2290474	1	18	5.5	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
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC ALS Environmental - Waterloo	Water	APHA 9222 D (mod)	Following filtration (0.45 µm), and incubation at 44.5 ±0.2°C for 22-26 hours, colonies exhibiting characteristic morphology of the target organism are enumerated and confirmed.
pH by Meter	E108 ALS Environmental - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	Water	BC MOE Lab Manual (Oil & Grease) (mod)	The entire water sample is extracted with hexane by liquid-liquid extraction.

006 994
GC-20
B-767

ALS www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

COC Number: 22 -

Page 1 of 1

Environmental Division
Waterloo
Work Order Reference
WT2529597

Telephone : +1 519 886 6910

Report To	Contact and company name below will appear on the final report
Company:	Nasittuq Corporation - NATT100
Contact:	Alaina 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:	

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

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 minim
☐ 3 day [P3] if received by 3pm M-F - 25% rush surcharge minim
☐ 2 day [P2] if received by 3pm M-F - 50% rush surcharge minim
☐ 1 day [E] if received by 3pm M-F - 100% rush surcharge minim
☐ Same day [E2] if received by 10am M-S - 200% rush surcharge

Additional fees may apply to rush requests on weekends

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.

Project Information

ALS Account # / Quote #: WT2023NATT1000004
Job #: NWS Sewage - Hall Beach
PO / AFE: 88649
LSD:

Oil and Gas Required Fields (client use)

AFE/Cost Center: | PO#
Major/Minor Code: | Routing Code:
Requisitioner:
Location:

ALS Lab Work Order # (ALS use only): WT2529597

ALS Contact: Costas Farassoglou | Sampler: Alex Kelly

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	09-oct-25	09:30	EFFLUENT	4	R	R	R	R				
	- Cycle-let Fecal A	09-oct-25	09:31	EFFLUENT	1					R			
	- Cycle-let Fecal B	09-oct-25	09:31	EFFLUENT	1					R			
	- Cycle-let Fecal C	09-oct-25	09:32	EFFLUENT	1					R			

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: 15.4
FINAL COOLER TEMPERATURES °C: 9.1

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (ALS use only)			FINAL SHIPMENT RECEPTION (ALS use only)		
Released by: Dion Aleeruk Arnatsiaq	Date: Oct 09 2025	Time: 10:00	Received by: Quitar F	Date: 16-10-2025	Time: 12:45	Received by: A	Date: 17-Oct-25	Time: 9:00

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	:	**WT2532343**		
Client	:	**Nasittuq Corporation**	Laboratory	: ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	: Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	: 613 225 8279
Project	:	NWS Sewage - Hall Beach	Date Samples Received	: 07-Nov-2025 12:30
PO	:	88649	Date Analysis Commenced	: 08-Nov-2025
C-O-C number	:	----	Issue Date	: 18-Nov-2025 18:05
Sampler	:	JARRELL RUSSELL		
Site	:	----		
Quote number	:	NWS SEWAGE TESTING - FOX-M		
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*
Greg Pokocky	Manager - Inorganics	Inorganics, Waterloo, Ontario
Hannah Lewis	Inorganics Analyst	Inorganics, Waterloo, Ontario
Jocelyn Kennedy	Department Manager - Semi-Volatile Organics	Organics, Waterloo, Ontario
Ruby Sujeepan	Analyst	Microbiology, Waterloo, Ontario

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.

Qualifiers

Qualifier	Description
BODL	Limit of Reporting for BOD was increased to account for the largest volume of sample tested.
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
PEHR	Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.

Analytical Results Evaluation

Matrix: Water			Client sample ID	CYCLE-ET GEN CHEM AND OGG ----	CYCLE-ET FECAL A ----	CYCLE-ET FECAL B ----	CYCLE-ET FECAL C ----	----	----	----
			Client sampling date / time	04-Nov-2025 10:05	04-Nov-2025 10:06	04-Nov-2025 10:06	04-Nov-2025 10:07	----	----	----
			Sub-Matrix	Water	Water	Water	Water	----	----	----
Analyte	CAS Number	Method/Lab	Unit	WT2532343-001	WT2532343-002	WT2532343-003	WT2532343-004	----	----	----
				Result	Result	Result	Result	----	----	----
Physical Tests										
pH	----	E108/WT	pH units	8.31	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/WT	mg/L	<3.0	----	----	----	----	----	----
Microbiological Tests										
Coliforms, thermotolerant [fecal]	----	E012.FC/WT	CFU/100mL	----	680 DLM, PEHR	640 DLM, PEHR	1140 DLM, PEHR	----	----	----
Aggregate Organics										
Biochemical oxygen demand [BOD]	----	E550/WT	mg/L	<3.0 BODL	----	----	----	----	----	----
Oil & grease (gravimetric)	----	E567/WT	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, animal/vegetable (gravimetric)	----	EC567A.SG/ WT	mg/L	<5.0	----	----	----	----	----	----
Oil & grease, mineral (gravimetric)	----	E567SG/WT	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	**10000 CFU/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	----	----	----	----	----	----	----

QUALITY CONTROL REPORT

Work Order	: **WT2532343**	Page	: 1 of 4
Client	: Nasittuq Corporation	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage - Hall Beach	Date Samples Received	: 07-Nov-2025 12:30
PO	: 88649	Date Analysis Commenced	: 08-Nov-2025
C-O-C number	: ----	Issue Date	: 18-Nov-2025 18:00
Sampler	: JARRELL RUSSELL		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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*
Greg Pokocky	Manager - Inorganics	Waterloo Inorganics, Waterloo, Ontario
Hannah Lewis	Inorganics Analyst	Waterloo Inorganics, Waterloo, Ontario
Jocelyn Kennedy	Department Manager - Semi-Volatile Organics	Waterloo Organics, Waterloo, Ontario
Ruby Sujeepan	Analyst	Waterloo Microbiology, Waterloo, Ontario

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: 2328511)											
WT2531710-001	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	<3.0	4.9	1.9	Diff <2x LOR	----
Physical Tests (QC Lot: 2333761)											
WT2532292-044	Anonymous	pH	----	E108	0.10	pH units	8.14	8.15	0.123%	4%	----
Microbiological Tests (QC Lot: 2327266)											
WT2532343-002	CYCLE-ET FECAL A	Coliforms, thermotolerant [fecal]	----	E012.FC	10	CFU/100mL	680	420	47.3%	65%	----
Aggregate Organics (QC Lot: 2327177)											
WT2532292-007	Anonymous	Biochemical oxygen demand [BOD]	----	E550	3.0	mg/L	<3.0	<3.0	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: 2328511)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests (QCLot: 2327266)						
Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	<1	----
Aggregate Organics (QCLot: 2327177)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics (QCLot: 2339813)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics (QCLot: 2339814)						
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: 2328511)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	95.5	85.0	115	----
Physical Tests (QCLot: 2333761)									
pH	----	E108	----	pH units	7 pH units	101	98.0	102	----
Aggregate Organics (QCLot: 2327177)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	93.6	85.0	115	----
Aggregate Organics (QCLot: 2339813)									
Oil & grease (gravimetric)	----	E567	5	mg/L	200 mg/L	87.0	70.0	130	----
Aggregate Organics (QCLot: 2339814)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	100 mg/L	77.4	70.0	130	----

ALS Canada Ltd.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **WT2532343**	Page	: 1 of 6
Client	: **Nasittuq Corporation**	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage - Hall Beach	Date Samples Received	: 07-Nov-2025 12:30
PO	: 88649	Issue Date	: 18-Nov-2025 18:01
C-O-C number	: ----		
Sampler	: JARRELL RUSSELL		
Site	: ----		
Quote number	: NWS SEWAGE TESTING - FOX-M		
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-4d] CYCLE-ET GEN CHEM AND OGG	E550	04-Nov-2025	----	----	----		08-Nov-2025	4 days	4 days	✓
Aggregate Organics : Mineral Oil & Grease by Gravimetry										
Amber glass total (hydrochloric acid) CYCLE-ET GEN CHEM AND OGG	E567SG	04-Nov-2025	17-Nov-2025	28 days	13 days	✓	18-Nov-2025	28 days	13 days	✓
Aggregate Organics : Oil & Grease by Gravimetry										
Amber glass total (hydrochloric acid) CYCLE-ET GEN CHEM AND OGG	E567	04-Nov-2025	17-Nov-2025	28 days	13 days	✓	17-Nov-2025	28 days	13 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] CYCLE-ET FECAL A	E012.FC	04-Nov-2025	----	----	----		08-Nov-2025	48 hrs	99 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] CYCLE-ET FECAL B	E012.FC	04-Nov-2025	----	----	----		08-Nov-2025	48 hrs	99 hrs	× EHTR
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)										
Sterile HDPE (sodium thiosulfate) [ON MECP] CYCLE-ET FECAL C	E012.FC	04-Nov-2025	----	----	----		08-Nov-2025	48 hrs	99 hrs	× EHTR
Physical Tests : pH by Meter										
HDPE [ON MECP] CYCLE-ET GEN CHEM AND OGG	E108	04-Nov-2025	13-Nov-2025	14 days	9 days	✓	13-Nov-2025	14 days	9 days	✓

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 [ON MECP]										
CYCLE-ET GEN CHEM AND OGG	E160	04-Nov-2025	----	----	----		10-Nov-2025	7 days	6 days	✓

Legend & Qualifier Definitions

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 (MF-mFC)	E012.FC	2327266	1	3	33.3	5.0	✓
pH by Meter	E108	2333761	1	17	5.8	5.0	✓
TSS by Gravimetry	E160	2328511	1	20	5.0	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	2327177	1	20	5.0	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	2333761	1	17	5.8	5.0	✓
TSS by Gravimetry	E160	2328511	1	20	5.0	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	2327177	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	2339813	1	20	5.0	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2339814	1	13	7.6	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC	2327266	1	3	33.3	5.0	✓
TSS by Gravimetry	E160	2328511	1	20	5.0	4.7	✓
Biochemical Oxygen Demand - 5 day	E550	2327177	1	20	5.0	5.0	✓
Oil & Grease by Gravimetry	E567	2339813	1	20	5.0	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2339814	1	13	7.6	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 (MF-mFC)	E012.FC ALS Environmental - Waterloo	Water	APHA 9222 D (mod)	Following filtration (0.45 µm), and incubation at 44.5 ±0.2°C for 22-26 hours, colonies exhibiting characteristic morphology of the target organism are enumerated and confirmed.
pH by Meter	E108 ALS Environmental - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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 - Waterloo	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

COC Number: 22 - TCN. 52149

Page of

WO 1178382

Environmental Division Waterloo

Work Order Reference WT2532343

Telephone: +1 519 886 6910

Report To	Contact and company name below will appear on the final report
Company:	Nasittuq Corporation - NATT100
Contact:	Alaina 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:	

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

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,

Date and Time Required for all E&P TATs:

For all tests with rush TATs requested, please con

Project Information

ALS Account # / Quote #:	WT2023NATT1000004
Job #:	NWS Sewage - Hall Beach
PO / AFE:	88649
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (ALS use only): WT2532343MTB

ALS Contact: Costas Farassoglou

Sampler: DARREN RUSSELL

Analysis Requ

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

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 REQU	SUSPECTED HAZARD (see n
	_____ - Cycle-et Gen Chem and OGG	04-NOV-25	10:05	EFFLUENT	4	R	R	R	R				
	_____ - Cycle-let Fecal A		10:06	EFFLUENT	1					R			
	_____ - Cycle-let Fecal B		10:06	EFFLUENT	1					R			
	_____ - Cycle-let Fecal C		10:07	EFFLUENT	1					R			

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			
11.6				8.6			

SHIPMENT RELEASE (client use)

Released by:	Date:	Time:

INITIAL SHIPMENT RECEPTION (ALS use only)

Received by:	Date:	Time:
STAFF	7-NOV-2025	12:30

FINAL SHIPMENT RECEPTION (ALS use only)

Received by:	Date:	Time:
AG	8-11-25	1045

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.**

PH:7

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CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**WT2600285**			
Client	:	**Nasittuq Corporation**	Laboratory	:	ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	:	Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa Ontario Canada K1P 5H9	Address	:	60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	:	613 225 8279
Project	:	NWS Sewage - Hall Beach	Date Samples Received	:	06-Jan-2026 10:05
PO	:	88649	Date Analysis Commenced	:	08-Jan-2026
C-O-C number	:	----	Issue Date	:	26-Mar-2026 13:08
Sampler	:	AK			
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*
Hannah Lewis	Inorganics Analyst	Inorganics, Waterloo, Ontario
Jeminikumari Patel	Analyst	Microbiology, Waterloo, Ontario
Marsha Calero	Laboratory Assistant	Organics, Calgary, Alberta
Rosalie Van Deelen	Laboratory Assistant	Organics, Calgary, Alberta
Sorina Motea	Team Leader - Organics	Organics, Calgary, Alberta
Walt Kippenhuck	Supervisor - Inorganic	Inorganics, Waterloo, Ontario

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.

Qualifiers

Qualifier	Description
BODL	Limit of Reporting for BOD was increased to account for the largest volume of sample tested.
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
PEHR	Parameter exceeded recommended holding time on receipt: Proceeded with analysis as requested.

Analytical Results Evaluation

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	Cycle-et Gen Chem and OGG ----	Cycle-et Fecal A ----	Cycle-et Fecal B ----	Cycle-et Fecal C ----	----	----	----
				Client sampling date / time	22-Dec-2025 09:31	22-Dec-2025 09:30	22-Dec-2025 09:30	22-Dec-2025 09:30	----	----	----
				Sub-Matrix	Effluent	Effluent	Effluent	Effluent	----	----	----
					WT2600285-001	WT2600285-002	WT2600285-003	WT2600285-004	----	----	----
					Result	Result	Result	Result	----	----	----
Physical Tests											
pH	----	E108/WT	pH units		7.03	----	----	----	----	----	----
Solids, total suspended [TSS]	----	E160/WT	mg/L		<3.0	----	----	----	----	----	----
Microbiological Tests											
Coliforms, thermotolerant [fecal]	----	E012.FC/WT	CFU/100mL		----	150 DLM, PEHR	120 DLM, PEHR	390 DLM, PEHR	----	----	----
Aggregate Organics											
Biochemical oxygen demand [BOD]	----	E550/WT	mg/L		<3.0 PEHR, BODL	----	----	----	----	----	----
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]		CFU/100mL	**10000 CFU/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	----	----	----	----	----	----	----

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QUALITY CONTROL REPORT

Work Order	: **WT2600285**		
Client	: Nasittuq Corporation	Laboratory	: ALS Environmental - Waterloo
Contact	: Alaina Leslie	Account Manager	: Costas Farassoglou
Address	: 275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo ON Canada N2V 2B8
Telephone	: 613 223 0629	Telephone	: 613 225 8279
Project	: NWS Sewage - Hall Beach	Date Samples Received	: 06-Jan-2026 10:05
PO	: 88649	Date Analysis Commenced	: 08-Jan-2026
C-O-C number	: ----	Issue Date	: 26-Mar-2026 13:08
Sampler	: AK		
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*
Hannah Lewis	Inorganics Analyst	Waterloo Inorganics, Waterloo, Ontario
Jeminikumari Patel	Analyst	Waterloo Microbiology, Waterloo, Ontario
Marsha Calero	Laboratory Assistant	Calgary Organics, Calgary, Alberta
Rosalie Van Deelen	Laboratory Assistant	Calgary Organics, Calgary, Alberta
Sorina Motea	Team Leader - Organics	Calgary Organics, Calgary, Alberta
Walt Kippenhuck	Supervisor - Inorganic	Waterloo Inorganics, Waterloo, Ontario

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: Wastewater

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: 2411123)											
WT2600305-002	Anonymous	Solids, total suspended [TSS]	----	E160	3.0	mg/L	6.6	7.0	0.4	Diff <2x LOR	---
Aggregate Organics(QC Lot: 2410145)											
WT2600268-003	Anonymous	Biochemical oxygen demand [BOD]	----	E550	2.0	mg/L	<2.0	<2.0	0.0 %	30%	---

Sub-Matrix: Water

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: 2410055)											
HA2600051-001	Anonymous	pH	----	E108	0.10	pH units	7.58	7.66	1.05 %	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: 2410055)						
pH	----	E108	----	pH units	----	----
Physical Tests(QC Lot: 2411123)						
Solids, total suspended [TSS]	----	E160	3	mg/L	<3.0	----
Microbiological Tests(QC Lot: 2410201)						
Coliforms, thermotolerant [fecal]	----	E012.FC	1	CFU/100mL	<1	----
Aggregate Organics(QC Lot: 2410145)						
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	<2.0	----
Aggregate Organics(QC Lot: 2413195)						
Oil & grease (gravimetric)	----	E567	5	mg/L	<5.0	----
Aggregate Organics(QC Lot: 2413196)						
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: 2410055)									
pH	----	E108	----	pH units	7 pH units	101	98.0	102	----
Physical Tests(QC Lot: 2411123)									
Solids, total suspended [TSS]	----	E160	3	mg/L	150 mg/L	98.3	85.0	115	----
Aggregate Organics(QC Lot: 2410145)									
Biochemical oxygen demand [BOD]	----	E550	2	mg/L	198 mg/L	98.5	85.0	115	----
Aggregate Organics(QC Lot: 2413195)									
Oil & grease (gravimetric)	----	E567	5	mg/L	100 mg/L	118	70.0	130	----
Aggregate Organics(QC Lot: 2413196)									
Oil & grease, mineral (gravimetric)	----	E567SG	5	mg/L	50 mg/L	84.0	70.0	130	----

ALS Canada Ltd.

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Quality Control Interpretive Report

Work Order	:	**WT2600285**		
Client	:	Nasittuq Corporation	Laboratory	: ALS Environmental - Waterloo
Contact	:	Alaina Leslie	Account Manager	: Costas Farassoglou
Address	:	275 Slater Street Suite 1600 Ottawa ON Canada K1P 5H9	Address	: 60 Northland Road, Unit 1 Waterloo Ontario Canada N2V 2B8
Telephone	:	613 223 0629	Telephone	: 613 225 8279
Project	:	NWS Sewage - Hall Beach	Date Samples Received	: 06-Jan-2026 10:05
PO	:	88649	Issue Date	: 26-Mar-2026 13:08
C-O-C number	:	----		
Sampler	:	AK		
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		Eval	Analysis Date	Holding Times		Eval
						Rec	Actual			Rec	Actual	
Aggregate Organics : Biochemical Oxygen Demand - 5 day												
HDPE [BOD HT-4d]												
Cycle-et Gen Chem and OGG	001	2410145	E550	22-Dec-2025	----	----	----		08-Jan-2026	4 days	17 days	× EHTR
Aggregate Organics : Mineral Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
Cycle-et Gen Chem and OGG	001	2413196	E567SG	22-Dec-2025	12-Jan-2026	28 days	21 days	✓	13-Jan-2026	28 days	22 days	✓
Aggregate Organics : Oil & Grease by Gravimetry												
Amber glass (hydrochloric acid)												
Cycle-et Gen Chem and OGG	001	2413195	E567	22-Dec-2025	12-Jan-2026	28 days	21 days	✓	12-Jan-2026	28 days	21 days	✓
Microbiological Tests : Thermotolerant (Fecal) Coliform (MF-mFC)												
Sterile HDPE (sodium thiosulfate) [ON MECP]												
Cycle-et Fecal A	002	2410201	E012.FC	22-Dec-2025	----	----	----		08-Jan-2026	48 hrs	413 hrs	× EHTR
Cycle-et Fecal B	003	2410201	E012.FC	22-Dec-2025	----	----	----		08-Jan-2026	48 hrs	413 hrs	× EHTR
Cycle-et Fecal C	004	2410201	E012.FC	22-Dec-2025	----	----	----		08-Jan-2026	48 hrs	413 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 [ON MECP]												
Cycle-et Gen Chem and OGG	001	2410055	E108	22-Dec-2025	09-Jan-2026	14 days	17 days	× EHTR	09-Jan-2026	14 days	18 days	× EHTR
Physical Tests : TSS by Gravimetry												
HDPE [ON MECP]												
Cycle-et Gen Chem and OGG	001	2411123	E160	22-Dec-2025	----	----	----		09-Jan-2026	7 days	18 days	× EHTR

Legend & Qualifier Definitions

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 (MF-mFC)	E012.FC	2410201	0	3	0.0	5.0	×
pH by Meter	E108	2410055	1	11	9.1	5.0	✓
TSS by Gravimetry	E160	2411123	1	20	5.0	4.8	✓
Biochemical Oxygen Demand - 5 day	E550	2410145	1	8	12.5	5.0	✓
Laboratory Control Samples (LCS)							
pH by Meter	E108	2410055	1	11	9.1	5.0	✓
TSS by Gravimetry	E160	2411123	1	20	5.0	4.8	✓
Biochemical Oxygen Demand - 5 day	E550	2410145	1	8	12.5	5.0	✓
Oil & Grease by Gravimetry	E567	2413195	1	18	5.6	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2413196	1	5	20.0	5.0	✓
Method Blanks (MB)							
Thermotolerant (Fecal) Coliform (MF-mFC)	E012.FC	2410201	1	3	33.3	5.0	✓
TSS by Gravimetry	E160	2411123	1	20	5.0	4.8	✓
Biochemical Oxygen Demand - 5 day	E550	2410145	1	8	12.5	5.0	✓
Oil & Grease by Gravimetry	E567	2413195	1	18	5.6	5.0	✓
Mineral Oil & Grease by Gravimetry	E567SG	2413196	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 - 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 - Waterloo	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 - Waterloo	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 (MF-mFC)	E012.FC ALS Environmental - Waterloo	Water	APHA 9222 D (mod)	Following filtration (0.45 µm), and incubation at 44.5 ±0.2°C for 22-26 hours, colonies exhibiting characteristic morphology of the target organism are enumerated and confirmed.
TSS by Gravimetry	E160 ALS Environmental - Waterloo	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 - 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 - Waterloo	Water		Sample preparation for parameters analysed by Autotitrator

B-945
UL-453 BM

Chain of Custody (COC) / Analytical Request Form

COC Number: 22 -

Page of

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Canada Toll Free: 1 800 668 9878

Environmental Division Waterloo
Work Order Reference
WT2600285

Telephone : +1 519 886 6910

Report To	Contact and company name below will appear on the final report
Company:	Nasittuq Corporation - NATT100
Contact:	Alaina 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:	

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

Project Information	
ALS Account # / Quote #:	WT2023NATT1000004
Job #:	NWS Sewage - Hall Beach
PO / AFE:	88649
LSD:	JO

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

ALS Lab Work Order # (ALS use only):

ALS Contact: Costas Farassoglou **Sampler:** Alex Kelly

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 mi
- ☐ 3 day [P3] if received by 3pm M-F - 25% rush surcharge mi
- ☐ 2 day [P2] if received by 3pm M-F - 50% rush surcharge mi
- ☐ 1 day [E] if received by 3pm M-F - 100% rush surcharge mi
- ☐ Same day [E2] if received by 10am M-S - 200% rush surcha

Additional fees may apply to rush requests on weeke

Date and Time Required for all E&P TATs:

For all tests with rush TATs requested, please

Analysis R

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	22-DEC-25	09:31 AM	EFFLUENT	4	R	R	R	R				
	_____ - Cycle-let Fecal A	22-Dec-25	09:30 AM	EFFLUENT	1					R			
	_____ - Cycle-let Fecal B	22-Dec-25	09:30 AM	EFFLUENT	1					R			
	_____ - Cycle-let Fecal C	22-Dec-25	09:30 AM	EFFLUENT	1					R			

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

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			
9.5			11.6			

SHIPMENT RELEASE (client use)

Released by:	Date:	Time:

INITIAL SHIPMENT RECEPTION (ALS use only)

Received by:	Date:	Time:
[signature]	6-JAN-2025	10:05

FINAL SHIPMENT RECEPTION (ALS use only)

Received by:	Date:	Time:
AP	8 JAN 26	9:02

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**.

ANNEX D. LOCATION OF BERMED FUEL STORAGE FACILITIES

Table D-1 contains the locations and sampling dates for the wastewater discharged from the bermed fuel storage facilities.

Table D-2: Location of Bermed Fuel Storage Facilities and Date Sampled in 2025

Berm	Location on-site	Discharge Latitude[2]	Discharge Longitude	Date
HAL W20B	Beach	68°46'23.93"N	81°12'51.11"W	06-Jun-25
HAL W20D&E	Airstrip	68°46'15.85"N	81°13'58.33"W	06-Jun-25
HAL W20F	Beach	68°46'23.75"N	81°12'46.12"W	06-Jun-25
HAL W22A	Summit	68°45'42.24"N	81°13'25.04"W	06-Jun-25
HAL W22B	Summit	68°45'43.00"N	81°13'27.27"W	06-Jun-25

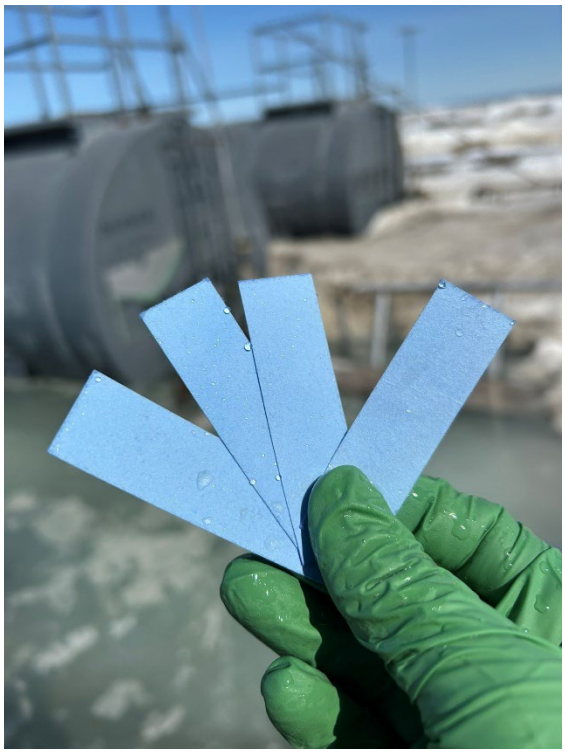
[2] Final discharge point of bermed fuel storage facility

ANNEX E. ANALYSIS OF BERM WATER

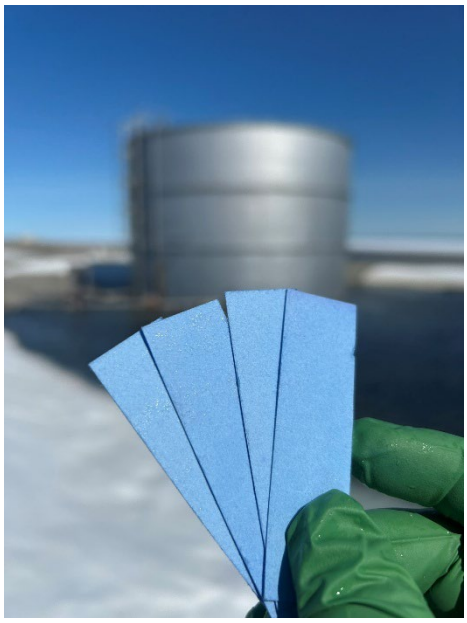
The berms at FOX-M were sampled using hydrocarbon test strips as per the approved QA/QC Plan for Berm Water Sampling as stated in the water licence 8BC-FOH1929, PART D, Item 11. The photo log of the hydrocarbon test strips is included below.

Photo Log

Beach W20B



Aviation W20D and W20E



Beach - W20F

Summit PGS W22A

Summit PGS W22B