St. Lawrence Testing & Inspection Co. Ltd.
P.O. Box 997, Cornwall, ON, Canada K6H 5V1
814 Second Street W., Phone (613) 938-2521
E-mail: gib@stlawrencetesting.com Fax (613) 938-7395

July 4, 2025

Mr. Paul McMunn
Director of Public Works & Utilities
Town of Smiths Falls
77 Beckwith Street North
PO Box 695
Smiths Falls, ON
K7A 2B8

RE: Property located at the Smiths Falls Compost Site, 3514 Lanark County Road 43, Smiths Falls, ON
Environmental Assessment
Report No. 25C163

Dear McMunn:

In accordance with verbal and emailed instructions received from you, this report is submitted, outlining the results of an environmental assessment of the soil and groundwater carried out at the Smiths Falls Compost Site located at 3514 Lanark County Road 43 in Smiths Falls, Ontario.

A) INTRODUCTION AND EXECUTIVE SUMMARY

In December 2024, St. Lawrence Testing & Inspection Co. Ltd. (St. Lawrence Testing) began an environmental assessment of the soil located at the Smiths Falls Compost Site. This work was documented in our report #24C265 and concluded that the soil collected at the locations of TP 1, TP 3, TP 4, TP 6 and TP 7 contain concentrations of PHCs and/or metals and/or PAHs that exceeded Ontario Regulation 153/04 Table 2 standards for a commercial property with

coarse soil and potable groundwater (Table 2). Potable groundwater standards were used as there is a creek traveling through the property and is near the Town of Smiths Falls water intake location.

Additional environmental work was carried out in March 2025 in which creek water samples were collected and analyzed for contamination under the Table 2 standards. This work was documented in our report #25C050 and concluded that the water samples collected from the creek met the Table 2 groundwater standards. The report recommended the installation of groundwater monitoring wells be considered near the boundaries of the compost site. The evaluation of the groundwater from these wells on a regular schedule would provide a trigger warning to any migration of possible contaminates towards the perimeter of the compost site.

On June 24th and 25th, St. Lawrence Testing directed the drilling of 7 boreholes (BH 1 to BH 7) on the property. Each of these boreholes were implemented with monitoring wells. Soil was collected from each borehole and analyzed for benzene, toluene, ethylbenzene and xylenes along with petroleum hydrocarbon fractions F_1 to F_4 (PHC) in addition to polycyclic aromatic hydrocarbons (PAH), metals, chromium VI and mercury. Thirteen soil samples (S1 to S13) were analyzed at Bureau Veritas in Mississauga, Ontario.

On June 26, 2025, each monitoring well (MW 1 to MW 7) was inspected and measured for water volume. Sampling tubing along with a foot valve was added to each well. A sample of the groundwater was collected from each well except for MW 5 as MW 5 did not contain sufficient groundwater to sample. The groundwater samples were analyzed for PHC, PAH, dissolved metals,

chromium VI and mercury. The analyses were performed by Bureau Veritas in Mississauga, Ontario.

The soil results determine that there are concentrations of PAHs found at BH 3 at a depth of 0 to 7 ft. bgs (sample S4) that exceed the Table 2 soil standards. These include benzo(a)anthracene (1.2 µg/g), benzo(a)pyrene (1.1 µg/g), benzo(b/j)fluoranthene (1.5 µg/g) and dibenzo(a,h)anthracene (0.16 µg/g). The Table 2 standard for benzo(a)anthracene is 0.96 µg/g, 0.3 µg/g for benzo(a)pyrene, 0.96 µg/g for benzo(b/j)fluoranthene and 0.1 µg/g for dibenzo(a,h)anthracene.

In addition, the soil at BH 5 at a depth of 0 to 4.5 ft. bgs (sample S8) contained a F_4 gravimetric hydrocarbon concentration of 5,700 µg/g. The Table 2 standard for F_4 gravimetric hydrocarbons is 3,300 µg/g. All the remaining soil samples satisfied the Table 2 soil standards.

The groundwater results determined that the groundwater sampled from each monitoring well satisfies the Table 2 groundwater standards except for MW 2. The groundwater collected from MW 2 contained a toluene concentration of 26 µg/L. The Table 2 standard for toluene is 24 µg/L. All other parameters met the Table 2 standards for this sample.

It is the opinion of St. Lawrence Testing that there is PAH soil contamination at the location of BH 3 from a depth of 0 to 7 ft. bgs along with F_4 gravimetric petroleum hydrocarbon contamination at the location of BH 5 at a depth of 0 to 4.5 ft. bgs. The groundwater collected from MW 6 contains a slightly elevated concentration of toluene. This may be the result of biogenic toluene and not

from surface contamination. It would be useful to examine your historical records to see what has occurred at these locations as the soil and groundwater contamination appears localized.

It is recommended that the groundwater from each monitoring well be sampled on a regular schedule to ensure no contaminates are migrating towards the creek. It is also recommended that the groundwater within MW 5 be analyzed to complete this report and a well protector be installed to prevent damage.

B) DESCRIPTION OF FIELD WORK

Prior to any site drilling, public locates were done for underground services. The field work for the exterior boreholes was carried out using Eastern Ontario Diamond Drilling of Hawkesbury, Ontario. Supervision was by the undersigned environmental engineer.

On June 24, 2025, St. Lawrence Testing arrived on the subject property and met with the drill crew from Eastern Ontario Diamond Drilling. The ambient temperature was extremely high that day and only 1 borehole (BH 1) was drilled before work stopped due to the heat. BH 1 was augered to 12 feet below the ground surface (bgs). The soil was collected in 2-foot increments using a split spoon sampler. The soil was evaluated on-site for indications of gross debris and malodours. The soil was placed into glass jars and returned to the St. Lawrene Testing laboratory after work was completed. BH 1 was then implemented with a monitoring well (MW 1) for future groundwater evaluation. A black, PVC pipe was then placed over the exposed riser to protect the well from damage. MW 1 was tagged A421708 as per Ontario Regulation 903.

On June 25, 2025, drilling continued on the property. Six boreholes (S2 to S7) were drilled near the creek. Soil samples were collected at 2-foot intervals within each borehole to a depth of auger refusal. The soil was evaluated on-site for any gross debris and malodours.

Following the soil sampling at each borehole, a monitoring well was installed at each location for groundwater evaluation. A black PVC pipe was then placed over the exposed riser to protect the well from damage except for MW 5. Each monitoring well was tagged as per Ontario Regulation 903 except for MW 5.

All soil samples were returned to the St. Lawrence Testing laboratory for further evaluation. Upon review of the soil sampling depths, their locations and our field notes, 13 soil samples were created for further laboratory analyses.

Sample ID	Location	Depth (bgs)
S1	BH 1	0 to 4.5 ft.
S2	BH 1	5 to 12 ft.
S3	BH 2	0 to 7 ft.
S4	BH 3	0 to 7 ft.
S5	BH 3	7.5 to 12 ft.
S6	BH 4	0 to 4.5 ft.
S7	BH 4	5 to 9.5 ft.
S8	BH 5	0 to 4.5 ft.
S9	BH 5	5 to 12 ft.
S10	BH 6	0 to 4.5 ft.
S11	BH 6	5 to 11 ft.
S12	BH 7	0 to 4.5 ft.
S13	BH 7	5 to 8.5 ft.

No debris or malodours were found in any of the soil collected. The soil samples (S1 to S13) were placed into laboratory supplied glass jars/vials for PHC, PAH, metals, chromium VI and mercury analysis and stored within the St. Lawrence Testing sample refrigerator at 4°C until shipment.

On June 26, 2025, a technician from St. Lawrence Testing arrived at the property and inspected each monitoring well. The riser of MW 5 was not protected and no well tag was found. The depth and static water height within each well was measured using a Solinst™ water meter. The water volumes within each well were then calculated.

Well ID	Depth (bgs)	H_2O Height (bgs)	Volume	Comments
MW 1	4.06 m	1.48 m	5.1 L	No sheen or malodour detected in purge water. Tag: A421708.
MW 2	2.45 m	0.66 m	1.4 L	No sheen or malodour detected in purge water. Tag: A421707.
MW 3	4.12 m	0.85 m	6.4 L	No sheen or malodour detected in purge water. Tag: A421706.
MW 4	4.29 m	1.05 m	6.4 L	No sheen or malodour detected in purge water. Tag: A418404.
MW 5	2.70 m	2.42 m	0.55 L	No sheen or malodour detected in purge water. Well became dry after 0.3 L was pumped. No sampling was done. No well protector or well tag present.
MW 6	3.13 m	2.30 m	1.6 L	No sheen or malodour detected in purge water. Tag: A418039.
MW 7	2.37 m	0.67 m	3.3 L	No sheen or malodour detected in purge water. Tag: A418038.

Dedicated well tubing with an attached foot valve was added into each well. Each well was then emptied a total of 3 well volumes. Following the 3rd emptying, a groundwater sample was collected into laboratory supplied vials/bottles for PHC and PAH analyses. Another groundwater sample was collected and filtered using a 0.45 µm filtration unit for dissolved metals,

chromium VI and mercury. The samples were returned to the St. Lawrence Testing laboratory and placed within the sample refrigerator.

On June 27, 2025, all soil and groundwater samples were packaged on ice within hard-sided insulated coolers and delivered to the Bureau Veritas drop off location in Ottawa, Ontario. The requested turnaround time for the results was 3 days.

An overhead view of the property, showing the locations of the boreholes/monitoring wells is attached to this report.

C) DISCUSSION OF TEST RESULTS

The property under assessment is currently commercial in use as a municipal compost site. There is a creek traveling through the property and is near the Town of Smiths Falls water intake location. As such the test results were compared with Ontario Regulation 153/04, Table 2 standards for a commercial property with coarse soil and potable groundwater (Table 2).

The soil results determine that all the samples met the Table 2 standards for PHC, PAH and metals except for sample S4 and S8.

There were concentrations of PAHs found in soil sample S4, collected at BH 3 and at a depth of 0 to 7 ft. bgs that exceed the Table 2 soil standards. These include benzo(a)anthracene (1.2 µg/g), benzo(a)pyrene (1.1 µg/g), benzo(b/j)fluoranthene (1.5 µg/g) and dibenzo(a,h)anthracene (0.16 µg/g). The Table 2 standard for benzo(a)anthracene is 0.96 µg/g, 0.3 µg/g for

benzo(a)pyrene, 0.96 µg/g for benzo(b/j)fluoranthene and 0.1 µg/g for dibenzo(a,h)anthracene. The concentrations of PHC and metals in S4 all met the Table 2 standards.

Soil sample S8 collected from BH 5 at a depth of 0 to 4.5 ft. bgs contained a F_4 gravimetric hydrocarbon concentration of 5,700 µg/g. The Table 2 standard for F_4 gravimetric hydrocarbons is 3,300 µg/g. The concentrations of benzene, toluene, ethylbenzene, xylenes along with the F_1 to F_3 petroleum hydrocarbons, PAH and metals all met the Table 2 standards.

The groundwater results determined that the groundwater sampled from each monitoring well satisfies the Table 2 groundwater standards except for MW 2. The groundwater collected from MW 2 contained a toluene concentration of 26 µg/L. The Table 2 standard for toluene is 24 µg/L. All other parameters met the Table 2 standards.

A copy of the soil and groundwater test results are attached to this report.

D) LIMITATIONS

The environmental investigation was carried out to address the intent of applicable provincial guidelines. Achieving the objectives stated in the report has required us to arrive at conclusions based upon the best information presently known to us. No investigative method can completely eliminate the possibility of obtaining partially imprecise or incomplete information; it can only reduce the possibility to an acceptable level. Professional judgment was exercised in gathering and analyzing the information obtained and in the formulation of the conclusions. Like all professional persons rendering advice

we do not act as absolute insurers of the conclusions we reach, but we commit ourselves to care and competence in reaching those conclusions.

Our undertaking is to perform our work within the limits prescribed by our clients, with the usual thoroughness and competence of the engineering profession. It is intended that the outcome of this investigation assists in reducing the client's risks associated with environmental impairment; our work should not be considered "risk mitigation". No other warranty expressed or implied, is included or intended in this report.

The information presented in this report is based on a limited investigation designed to provide information to support an overall assessment of the current environmental conditions on the subject property. The conclusions and recommendations presented in this report reflect existing site conditions within the scope of our investigation.

This report was prepared for the exclusive use of The Town of Smiths Falls as per the agreement and terms of reference between The Town of Smits Falls and St. Lawrence Testing & Inspection Co. Ltd. Any use and interpretation of this report by any other party is entirely at their own risk.

E) OPINION

Subject to the Limitations in the previous section and based on our site inspection along with the analytical results from the soil and groundwater samples recently obtained from the property, it is the opinion of St. Lawrence Testing that the Smiths Falls Compost Site located at 3514 Lanark County

Road 43 in Smiths Falls, Ontario contains localized soil and groundwater contamination.

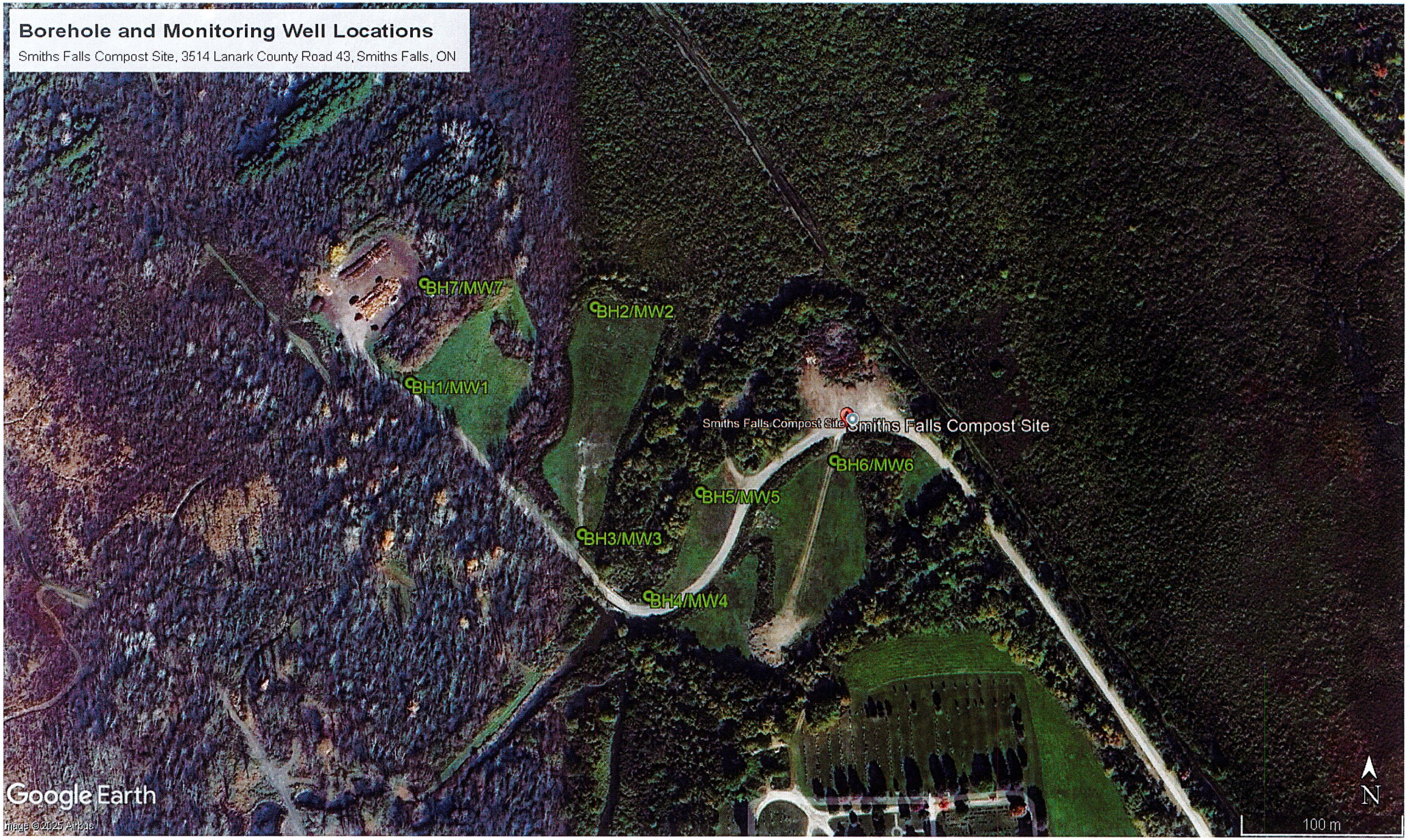
There is PAH soil contamination at the location of BH 3 from a depth of 0 to 7 ft. bgs along with F_4 gravimetric petroleum hydrocarbon contamination at the location of BH 5 at a depth of 0 to 4.5 ft. bgs. The groundwater collected from MW 6 contains a slightly elevated concentration of toluene. This may be the result of biogenic toluene and not from surface contamination. It would be useful to examine your historical records to see what has occurred at these locations as the soil and groundwater contamination appears localized.

It is recommended that the groundwater from each monitoring well be sampled on regular schedule to ensure no contaminates are migrating towards the creek. It is also recommended that the groundwater within MW 5 be analyzed to complete this report and a well protector be installed to prevent damage.

Respectfully submitted,
ST. LAWRENCE TESTING & INSPECTION CO. LTD.

REGISTERED PROFESSIONAL ENGINEER
G. G. McINTEE
PROVINCE OF ONTARIO

G.G. McIntee, P. Eng.
GGM:sr
Attachments
c.c. Russell Chown


Borehole and Monitoring Well Locations
Smiths Falls Compost Site, 3514 Lanark County Road 43, Smiths Falls, ON
BH7/MW7
BH2/MW2
BH1/MW1
Smiths Falls Compost Site
Smiths Falls Compost Site
BH6/MW6
BH5/MW5
BH3/MW3
BH4/MW4
Google Earth
Image © 2025 Airbus
N
100 m

St. Lawrence Testing & Inspection Co. Ltd.

OFFICE BOREHOLE RECORD

REPORT NO. _____

CLIENT Town of Smiths Falls — BOREHOLE NO. 1

LOCATION Complex Site — CASING HF Auger

DATE OF BORING June 24, 2025 — DATE OF WL READING June 26, 2025 — DATUM _____

DEPTH	ELEVATION DEPTH	SOIL DESCRIPTION	STRAT. PLOT	WATER CONDITIONS	SAMPLES: CONDITION	TYPE	NUMBER	RECOVERY	N - VALUE	LABORATORY TESTS PERFORMED
0		Topsoil				SS	1	30	6	
		Brown, moist, loose, becoming gravelly and compact below 0.9m, and very moist and dense below 2.4m and moist and dense below 3.0m.								
1						SS	2	40	17	
2						SS	3	75	14	
						SS	4	65	36	
3						SS	5	75	45	
4	4.03	Auger refusal								
		Well Installed								
		Screen: 4.03 to 0.91m.								
		Sand: 4.03 to 0.61m.								
		Hole Plug: 0.61 to surface								

LAB TEST RESULTS

WATER CONTENT & ATTERBERG LIMITS. WP W WL

DYNAMIC PENETRATION TEST BLOWS PER FOOT. . .K . . .

0 20 40 60 80

APPENDIX

St. Lawrence Testing & Inspection Co. Ltd.

OFFICE BOREHOLE RECORD

REPORT NO. _____

CLIENT _____ BOREHOLE NO. 2

LOCATION _____ CASING _____

DATE OF BORING June 25, 2025 DATE OF WL READING June 26, 2025 DATUM _____

DEPTH	ELEVATION DEPTH	SOIL DESCRIPTION	STRAT. PLOT	WATER CONDITIONS	SAMPLES: CONDITION	TYPE	NUMBER	RECOVERY	N - VALUE	LABORATORY TESTS PERFORMED
0		75 mm Topsoil				SS	1	50	57	
		Silty Sand Brown, moist, dense, with gravel, becoming loose below 1.5m and dense below 2.3m.								
1						SS	2	40	40	
						SS	3	10	8	
2										
	2.44	Auger refusal								
3		Well Installed: Screen: 2.44 to 0.91m. Sand: 2.44 to 0.61m. Bent Plug: 0.61m to surface								
4										

LAB TEST RESULTS

WATER CONTENT & ATTERBERG LIMITS. WP W WL

DYNAMIC PENETRATION TEST BLOWS PER FOOT. . .K . . .

0 20 40 60 80

APPENDIX

St. Lawrence Testing & Inspection Co. Ltd.

OFFICE BOREHOLE RECORD

REPORT NO. _____

CLIENT _____ BOREHOLE NO. 3

LOCATION _____ CASING _____

DATE OF BORING _____ DATE OF WL READING _____ DATUM _____

DEPTH	ELEVATION DEPTH	SOIL DESCRIPTION	STRAT. PLOT	WATER CONDITIONS	SAMPLES: CONDITION	TYPE	NUMBER	RECOVERY	N - VALUE	LABORATORY TESTS PERFORMED
0		75 mm Topsoil ~~Silty Sand~~ Brown, moist, loose, becoming compact below 0.8 m. wet gone and gravel and gravelly, moist and dense below 2.3 m.				SS	1	35	2	
1						SS	2	25	11	
2						SS	3	50	15	
3						SS	4	100	41	
4						SS	5	80	43	
5	4.37	Auger refusal Well Installed Screen: 4.37 to 0.91 m. Sand: 4.37 to 0.61 m. Note Plug: 0.61 m to surface								

LAB TEST RESULTS

WATER CONTENT & ATTERBERG LIMITS.
WP W WL

DYNAMIC PENETRATION TEST BLOWS PER FOOT. . .K. . .
0 20 40 60 80

APPENDIX

St. Lawrence Testing & Inspection Co. Ltd.

OFFICE BOREHOLE RECORD

REPORT NO. _____

CLIENT _____ BOREHOLE NO. 4

LOCATION _____ CASING _____

DATE OF BORING _____ DATE OF WL READING _____ DATUM _____

DEPTH	ELEVATION DEPTH	SOIL DESCRIPTION	STRAT. PLOT	WATER CONDITIONS	SAMPLES: CONDITION	TYPE	NUMBER	RECOVERY	N - VALUE	LABORATORY TESTS PERFORMED
0		125mm Topsoil				SS	1	20	6	
		Sandy Loam								
		Brown, moist, loose with clay								
1										
						SS	2	30	9	
						SS	3	55	4	
2	1.98	Silty Sand								
		Brown, moist gravelly, compact becoming brown grey, very moist				SS	4	60	23	
3						SS	5	55	50+	
4										
	4.29	Auger refusal								
		Well Installed								
5		Screen: 4.29 to 3.99 m								
		Sand: 4.29 to 3.69 m								
		Note Plug: 3.69 m to surface								

LAB TEST RESULTS

WATER CONTENT & ATTERBERG LIMITS.
WP W WL

DYNAMIC PENETRATION TEST BLOWS PER FOOT. . .K. . .
0 20 40 60 80

APPENDIX

St. Lawrence Testing & Inspection Co. Ltd.

OFFICE BOREHOLE RECORD

REPORT NO. _____

CLIENT _____ BOREHOLE NO. 5

LOCATION _____ CASING _____

DATE OF BORING _____ DATE OF WL READING _____ DATUM _____

DEPTH	ELEVATION / DEPTH	SOIL DESCRIPTION	STRAT. PLOT	WATER CONDITIONS	SAMPLES: CONDITION	TYPE	NUMBER	RECOVERY	N - VALUE	LABORATORY TESTS PERFORMED
0										
		Topsoil with gravel				SS	1	55	19	
	1.61	Silty Sand Black then brown moist, compact with gravel with black below 1.5m to 1.8m and very moist and dense below 2.4m				SS	2	50	12	
1						SS	3	45	7	
2						SS	4	80	50+	
	2.64	Auger refusal								
3		Well installed Screen: 2.64 to 0.91m, Sand: 2.64 to 0.61m, Nat Plug: 0.61m to surface								
4										

LAB TEST RESULTS

WATER CONTENT & ATTERBERG LIMITS. WP W WL

DYNAMIC PENETRATION TEST BLOWS PER FOOT. . .K . . .

0 20 40 60 80

APPENDIX

SLT St. Lawrence Testing & Inspection Co. Ltd.

OFFICE BOREHOLE RECORD

REPORT NO. ____

CLIENT ____ BOREHOLE NO. 6

LOCATION ____ CASING ____

DATE OF BORING ____ DATE OF WL READING ____ DATUM ____

DEPTH	ELEVATION DEPTH	SOIL DESCRIPTION	STRAT. PLOT	WATER CONDITIONS	CONDITION	TYPE	NUMBER	RECOVERY	N - VALUE	LABORATORY TESTS PERFORMED
0		Silt & Sand Black, moist compact, with gravel, with no gravel from 0.8m to 2.1m, brown and loose below 0.8m, becoming compact with gravel below 2.3m.				SS	1	50	13	
1						SS	2	50	5	
						SS	3	55	11	
2						SS	4	100	10	
3	3.07	Auger refusal								
4		Well Installed Screen: 3.07 to 0.91 m, Sand: 3.07 to 0.61 m Hole Plug: 0.61m to surface								
5										

LAB TEST RESULTS

WATER CONTENT & ATTERBERG LIMITS.
WP W WL

DYNAMIC PENETRATION TEST BLOWS PER FOOT. . .K . . .
0 20 40 60 80

APPENDIX

St. Lawrence Testing & Inspection Co. Ltd.

OFFICE BOREHOLE RECORD

REPORT NO. _____

CLIENT _____ BOREHOLE NO. 7

LOCATION _____ CASING _____

DATE OF BORING _____ DATE OF WL READING _____ DATUM _____

DEPTH	ELEVATION	DEPTH	SOIL DESCRIPTION	STRAT. PLOT	WATER CONDITIONS	CONDITION	TYPE	NUMBER	RECOVERY	N - VALUE	LABORATORY TESTS PERFORMED
0			Topsoil				SS	1	50	2	
	.18		Sandy Sand Brown, moist, compact, with gravel noted below 1.5m.								
1							SS	2	100	12	
							SS	3	75	10	
2							SS	4	60	50+	
	2.36		Augerrefusal								
3			Well Installed Screen: 2.36 to 0.91m. Sand: 2.36 to 0.61m. Hole Plug: 0.61m to surface								
4											

LAB TEST RESULTS

WATER CONTENT & ATTERBERG LIMITS.
WP W WL

DYNAMIC PENETRATION TEST BLOWS PER FOOT. . .K . . .
0 20 40 60 80

APPENDIX

Your Project #: COMPOST SITE
Site Location: SMITH FALLS
Your C.O.C. #: N/A

Attention: Gib McIntee

St Lawrence Testing & Inspection Co Ltd

814 Second St W
PO Box 997
Cornwall, ON
CANADA K6H 5V1

Report Date: 2025/07/03
Report #: R8569338
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C577434
Received: 2025/06/28, 11:30

Sample Matrix: Soil
Samples Received: 13

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum (1)	13	N/A	2025/07/03	CAM SOP-00301	EPA 8270D m
Hot Water Extractable Boron (1)	13	2025/07/03	2025/07/03	CAM SOP-00408	R153 Ana. Prot. 2011
Hexavalent Chromium in Soil by IC (1, 2)	13	2025/07/03	2025/07/03	CAM SOP-00436	EPA 3060A/7199 m
Petroleum Hydro. CCME F1 & BTEX in Soil (1, 3)	7	N/A	2025/06/30	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydro. CCME F1 & BTEX in Soil (1, 3)	6	N/A	2025/07/01	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Soil (1, 4)	13	2025/06/30	2025/07/01	CAM SOP-00316	CCME CWS m
F4G (CCME Hydrocarbons Gravimetric) (1)	4	2025/07/03	2025/07/03	CAM SOP-00316	CCME PHC-CWS m
Acid Extractable Metals by ICPMS (1)	13	2025/07/02	2025/07/02	CAM SOP-00447	EPA 6020B m
Moisture (1)	13	N/A	2025/06/28	CAM SOP-00445	Carter 2nd ed 70.2 m
PAH Compounds in Soil by GC/MS (SIM) (1)	1	2025/07/02	2025/07/02	CAM SOP-00318	EPA 8270E
PAH Compounds in Soil by GC/MS (SIM) (1)	12	2025/07/02	2025/07/03	CAM SOP-00318	EPA 8270E

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Your Project #: COMPOST SITE
Site Location: SMITH FALLS
Your C.O.C. #: N/A

Attention: Gib McIntee

St Lawrence Testing & Inspection Co Ltd

814 Second St W
PO Box 997
Cornwall, ON
CANADA K6H 5V1

Report Date: 2025/07/03
Report #: R8569338
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C577434

Received: 2025/06/28, 11:30

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8

(2) Soils are reported on a dry weight basis unless otherwise specified.

(3) No lab extraction date is given for F1BTEX & VOC samples that are field preserved with methanol. Extraction date is the date sampled unless otherwise stated.

(4) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Jolanta Goralczyk
Project Manager
03 Jul 2025 17:46:45

Please direct all questions regarding this Certificate of Analysis to:
Jolanta Goralczyk, Project Manager
Email: Jolanta.Goralczyk@bureauveritas.com
Phone# (905)817-5751

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

O.REG 153 METALS PACKAGE (SOIL)

Bureau Veritas ID		ASLF63	ASLF64			ASLF64			ASLF65		
Sampling Date		2025/06/24 10:00	2025/06/24 10:30			2025/06/24 10:30			2025/06/25 10:00		
COC Number		N/A	N/A			N/A			N/A		
	UNITS	**S1**	**S2**	**RDL**	**QC Batch**	**S2 Lab-Dup**	**RDL**	**QC Batch**	**S3**	**RDL**	**QC Batch**
Inorganics											
Chromium (VI)	ug/g	ND	ND	0.18	9962182	ND	0.18	9962182	ND	0.18	9962182
Metals											
Hot Water Ext. Boron (B)	ug/g	0.15	ND	0.050	9962324				0.22	0.050	9962324
Acid Extractable Antimony (Sb)	ug/g	ND	ND	0.20	9961905				0.25	0.20	9961905
Acid Extractable Arsenic (As)	ug/g	1.9	ND	1.0	9961905				2.4	1.0	9961905
Acid Extractable Barium (Ba)	ug/g	65	52	0.50	9961905				62	0.50	9961905
Acid Extractable Beryllium (Be)	ug/g	0.26	ND	0.20	9961905				0.22	0.20	9961905
Acid Extractable Boron (B)	ug/g	ND	ND	5.0	9961905				ND	5.0	9961905
Acid Extractable Cadmium (Cd)	ug/g	ND	ND	0.10	9961905				ND	0.10	9961905
Acid Extractable Chromium (Cr)	ug/g	11	8.5	1.0	9961905				12	1.0	9961905
Acid Extractable Cobalt (Co)	ug/g	4.6	3.6	0.10	9961905				3.1	0.10	9961905
Acid Extractable Copper (Cu)	ug/g	9.7	7.6	0.50	9961905				12	0.50	9961905
Acid Extractable Lead (Pb)	ug/g	7.7	3.0	1.0	9961905				17	1.0	9961905
Acid Extractable Molybdenum (Mo)	ug/g	ND	ND	0.50	9961905				1.4	0.50	9961905
Acid Extractable Nickel (Ni)	ug/g	7.6	5.3	0.50	9961905				7.5	0.50	9961905
Acid Extractable Selenium (Se)	ug/g	ND	ND	0.50	9961905				ND	0.50	9961905
Acid Extractable Silver (Ag)	ug/g	ND	ND	0.20	9961905				ND	0.20	9961905
Acid Extractable Thallium (Tl)	ug/g	0.074	0.052	0.050	9961905				0.070	0.050	9961905
Acid Extractable Uranium (U)	ug/g	0.45	0.41	0.050	9961905				0.40	0.050	9961905
Acid Extractable Vanadium (V)	ug/g	24	18	5.0	9961905				16	5.0	9961905
Acid Extractable Zinc (Zn)	ug/g	19	11	5.0	9961905				29	5.0	9961905
Acid Extractable Mercury (Hg)	ug/g	ND	ND	0.050	9961905				0.056	0.050	9961905

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

Bureau Veritas Job #: C577434
Report Date: 2025/07/03

St Lawrence Testing & Inspection Co Ltd
Client Project #: COMPOST SITE
Site Location: SMITH FALLS
Sampler Initials: GM

O.REG 153 METALS PACKAGE (SOIL)

Bureau Veritas ID		ASLF66	ASLF67	ASLF68	ASLF69			ASLF69		
Sampling Date		2025/06/25 10:30	2025/06/25 10:45	2025/06/25 11:30	2025/06/25 10:45			2025/06/25 10:45		
COC Number		N/A	N/A	N/A	N/A			N/A		
	UNITS	**S4**	**S5**	**S6**	**S7**	**RDL**	**QC Batch**	**S7 Lab-Dup**	**RDL**	**QC Batch**
Inorganics										
Chromium (VI)	ug/g	ND	ND	ND	ND	0.18	9962182			
Metals										
Hot Water Ext. Boron (B)	ug/g	0.24	0.070	0.43	0.11	0.050	9962324	0.098	0.050	9962324
Acid Extractable Antimony (Sb)	ug/g	ND	ND	0.55	ND	0.20	9961905			
Acid Extractable Arsenic (As)	ug/g	1.5	1.1	2.8	1.4	1.0	9961905			
Acid Extractable Barium (Ba)	ug/g	77	51	110	100	0.50	9961905			
Acid Extractable Beryllium (Be)	ug/g	ND	ND	0.34	ND	0.20	9961905			
Acid Extractable Boron (B)	ug/g	ND	ND	ND	ND	5.0	9961905			
Acid Extractable Cadmium (Cd)	ug/g	ND	ND	0.25	ND	0.10	9961905			
Acid Extractable Chromium (Cr)	ug/g	11	8.6	18	11	1.0	9961905			
Acid Extractable Cobalt (Co)	ug/g	3.3	3.1	4.8	3.1	0.10	9961905			
Acid Extractable Copper (Cu)	ug/g	6.8	6.5	16	9.0	0.50	9961905			
Acid Extractable Lead (Pb)	ug/g	30	3.1	75	4.0	1.0	9961905			
Acid Extractable Molybdenum (Mo)	ug/g	0.80	ND	1.3	ND	0.50	9961905			
Acid Extractable Nickel (Ni)	ug/g	5.9	5.3	25	6.0	0.50	9961905			
Acid Extractable Selenium (Se)	ug/g	ND	ND	ND	ND	0.50	9961905			
Acid Extractable Silver (Ag)	ug/g	ND	ND	ND	ND	0.20	9961905			
Acid Extractable Thallium (Tl)	ug/g	0.094	ND	0.10	ND	0.050	9961905			
Acid Extractable Uranium (U)	ug/g	0.43	0.44	0.51	0.47	0.050	9961905			
Acid Extractable Vanadium (V)	ug/g	20	19	26	20	5.0	9961905			
Acid Extractable Zinc (Zn)	ug/g	28	11	93	14	5.0	9961905			
Acid Extractable Mercury (Hg)	ug/g	ND	ND	0.082	ND	0.050	9961905			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

O.REG 153 METALS PACKAGE (SOIL)

Bureau Veritas ID		ASLF70	ASLF71	ASLF72	ASLF73	ASLF74	ASLF75		
Sampling Date		2025/06/25 13:00	2025/06/25 13:30	2025/06/25 14:00	2025/06/24 14:30	2025/06/24 13:00	2025/06/25 13:30		
COC Number		N/A	N/A	N/A	N/A	N/A	N/A		
	UNITS	**S8**	**S9**	**S10**	**S11**	**S12**	**S13**	**RDL**	**QC Batch**
Inorganics									
Chromium (VI)	ug/g	ND	ND	ND	ND	ND	ND	0.18	9962182
Metals									
Hot Water Ext. Boron (B)	ug/g	0.18	0.13	0.26	ND	0.12	1.5	0.050	9962324
Acid Extractable Antimony (Sb)	ug/g	0.39	ND	0.41	ND	ND	ND	0.20	9961905
Acid Extractable Arsenic (As)	ug/g	2.8	2.8	2.3	1.2	1.3	1.8	1.0	9961905
Acid Extractable Barium (Ba)	ug/g	51	370	140	88	97	100	0.50	9961905
Acid Extractable Beryllium (Be)	ug/g	0.21	0.28	0.25	ND	ND	0.22	0.20	9961905
Acid Extractable Boron (B)	ug/g	ND	ND	ND	ND	ND	6.2	5.0	9961905
Acid Extractable Cadmium (Cd)	ug/g	0.11	ND	0.43	ND	ND	ND	0.10	9961905
Acid Extractable Chromium (Cr)	ug/g	11	13	27	11	9.7	10	1.0	9961905
Acid Extractable Cobalt (Co)	ug/g	3.2	4.8	3.7	4.5	4.4	4.5	0.10	9961905
Acid Extractable Copper (Cu)	ug/g	20	9.1	34	11	9.1	12	0.50	9961905
Acid Extractable Lead (Pb)	ug/g	42	15	74	4.7	4.4	13	1.0	9961905
Acid Extractable Molybdenum (Mo)	ug/g	0.91	1.2	1.1	ND	ND	ND	0.50	9961905
Acid Extractable Nickel (Ni)	ug/g	7.4	9.5	11	7.7	7.5	8.1	0.50	9961905
Acid Extractable Selenium (Se)	ug/g	ND	ND	ND	ND	ND	ND	0.50	9961905
Acid Extractable Silver (Ag)	ug/g	ND	ND	1.7	ND	ND	ND	0.20	9961905
Acid Extractable Thallium (Tl)	ug/g	0.070	0.098	0.10	0.065	0.065	0.075	0.050	9961905
Acid Extractable Uranium (U)	ug/g	0.40	0.49	0.51	0.43	0.45	0.44	0.050	9961905
Acid Extractable Vanadium (V)	ug/g	24	24	23	22	20	19	5.0	9961905
Acid Extractable Zinc (Zn)	ug/g	44	23	110	16	15	32	5.0	9961905
Acid Extractable Mercury (Hg)	ug/g	0.089	ND	0.20	ND	ND	ND	0.050	9961905

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

O.REG 153 METALS PACKAGE (SOIL)

Bureau Veritas ID		ASLF75		
Sampling Date		2025/06/25 13:30		
COC Number		N/A		
	UNITS	**S13 Lab-Dup**	**RDL**	**QC Batch**
Metals				
Acid Extractable Antimony (Sb)	ug/g	ND	0.20	9961905
Acid Extractable Arsenic (As)	ug/g	1.7	1.0	9961905
Acid Extractable Barium (Ba)	ug/g	100	0.50	9961905
Acid Extractable Beryllium (Be)	ug/g	0.21	0.20	9961905
Acid Extractable Boron (B)	ug/g	5.9	5.0	9961905
Acid Extractable Cadmium (Cd)	ug/g	ND	0.10	9961905
Acid Extractable Chromium (Cr)	ug/g	10	1.0	9961905
Acid Extractable Cobalt (Co)	ug/g	4.5	0.10	9961905
Acid Extractable Copper (Cu)	ug/g	12	0.50	9961905
Acid Extractable Lead (Pb)	ug/g	14	1.0	9961905
Acid Extractable Molybdenum (Mo)	ug/g	ND	0.50	9961905
Acid Extractable Nickel (Ni)	ug/g	7.9	0.50	9961905
Acid Extractable Selenium (Se)	ug/g	ND	0.50	9961905
Acid Extractable Silver (Ag)	ug/g	ND	0.20	9961905
Acid Extractable Thallium (Tl)	ug/g	0.082	0.050	9961905
Acid Extractable Uranium (U)	ug/g	0.46	0.050	9961905
Acid Extractable Vanadium (V)	ug/g	19	5.0	9961905
Acid Extractable Zinc (Zn)	ug/g	32	5.0	9961905
Acid Extractable Mercury (Hg)	ug/g	ND	0.050	9961905

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7WS Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C577434
Report Date: 2025/07/03

St Lawrence Testing & Inspection Co Ltd
Client Project #: COMPOST SITE
Site Location: SMITH FALLS
Sampler Initials: GM

O.REG 153 PAHS (SOIL)

Bureau Veritas ID		ASLF63	ASLF64			ASLF64			ASLF65		
Sampling Date		2025/06/24 10:00	2025/06/24 10:30			2025/06/24 10:30			2025/06/25 10:00		
COC Number		N/A	N/A			N/A			N/A		
	UNITS	**S1**	**S2**	**RDL**	**QC Batch**	**S2 Lab-Dup**	**RDL**	**QC Batch**	**S3**	**RDL**	**QC Batch**
Calculated Parameters											
Methylnaphthalene, 2-(1-)	ug/g	ND	ND	0.0071	9959980				0.018	0.0071	9959980
Polyaromatic Hydrocarbons											
Acenaphthene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.0070	0.0050	9961299
Acenaphthylene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	ND	0.0050	9961299
Anthracene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.020	0.0050	9961299
Benzo(a)anthracene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.053	0.0050	9961299
Benzo(a)pyrene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.052	0.0050	9961299
Benzo(b/j)fluoranthene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.079	0.0050	9961299
Benzo(g,h,i)perylene	ug/g	0.0064	ND	0.0050	9961299	ND	0.0050	9961299	0.035	0.0050	9961299
Benzo(k)fluoranthene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.025	0.0050	9961299
Chrysene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.052	0.0050	9961299
Dibenzo(a,h)anthracene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.0091	0.0050	9961299
Fluoranthene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.13	0.0050	9961299
Fluorene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.0093	0.0050	9961299
Indeno(1,2,3-cd)pyrene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.036	0.0050	9961299
1-Methylnaphthalene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.0084	0.0050	9961299
2-Methylnaphthalene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.0092	0.0050	9961299
Naphthalene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.011	0.0050	9961299
Phenanthrene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.13	0.0050	9961299
Pyrene	ug/g	ND	ND	0.0050	9961299	ND	0.0050	9961299	0.095	0.0050	9961299
Surrogate Recovery (%)											
D10-Anthracene	%	90	94		9961299	92		9961299	93		9961299
D14-Terphenyl (FS)	%	74	80		9961299	78		9961299	77		9961299
D8-Acenaphthylene	%	83	83		9961299	82		9961299	89		9961299

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

O.REG 153 PAHS (SOIL)

Bureau Veritas ID		ASLF66	ASLF67	ASLF68	ASLF69		ASLF70		ASLF71		
Sampling Date		2025/06/25 10:30	2025/06/25 10:45	2025/06/25 11:30	2025/06/25 10:45		2025/06/25 13:00		2025/06/25 13:30		
COC Number		N/A	N/A	N/A	N/A		N/A		N/A		
	UNITS	**S4**	**S5**	**S6**	**S7**	**RDL**	**S8**	**RDL**	**S9**	**RDL**	**QC Batch**
Calculated Parameters											
Methylnaphthalene, 2-(1-)	ug/g	0.090	ND	ND	ND	0.0071	ND	0.071	ND	0.0071	9959980
Polyaromatic Hydrocarbons											
Acenaphthene	ug/g	0.20	ND	0.0087	ND	0.0050	ND	0.050	ND	0.0050	9961299
Acenaphthylene	ug/g	0.039	ND	0.0072	ND	0.0050	ND	0.050	ND	0.0050	9961299
Anthracene	ug/g	0.56	0.011	0.034	ND	0.0050	ND	0.050	ND	0.0050	9961299
Benzo(a)anthracene	ug/g	1.2	0.023	0.088	0.0052	0.0050	0.060	0.050	0.014	0.0050	9961299
Benzo(a)pyrene	ug/g	1.1	0.018	0.086	0.0050	0.0050	0.073	0.050	0.017	0.0050	9961299
Benzo(b/j)fluoranthene	ug/g	1.5	0.024	0.12	0.0060	0.0050	0.11	0.050	0.025	0.0050	9961299
Benzo(g,h,i)perylene	ug/g	0.60	0.011	0.054	ND	0.0050	0.11	0.050	0.018	0.0050	9961299
Benzo(k)fluoranthene	ug/g	0.50	0.0096	0.041	ND	0.0050	ND	0.050	0.0079	0.0050	9961299
Chrysene	ug/g	0.98	0.020	0.074	ND	0.0050	0.056	0.050	0.013	0.0050	9961299
Dibenzo(a,h)anthracene	ug/g	0.16	ND	0.014	ND	0.0050	ND	0.050	ND	0.0050	9961299
Fluoranthene	ug/g	2.6	0.045	0.19	0.010	0.0050	0.12	0.050	0.032	0.0050	9961299
Fluorene	ug/g	0.24	ND	0.011	ND	0.0050	ND	0.050	ND	0.0050	9961299
Indeno(1,2,3-cd)pyrene	ug/g	0.66	0.011	0.055	ND	0.0050	0.066	0.050	0.014	0.0050	9961299
1-Methylnaphthalene	ug/g	0.044	ND	ND	ND	0.0050	ND	0.050	ND	0.0050	9961299
2-Methylnaphthalene	ug/g	0.046	ND	ND	ND	0.0050	ND	0.050	ND	0.0050	9961299
Naphthalene	ug/g	0.080	ND	ND	ND	0.0050	ND	0.050	ND	0.0050	9961299
Phenanthrene	ug/g	2.0	0.033	0.11	0.0055	0.0050	0.058	0.050	0.015	0.0050	9961299
Pyrene	ug/g	2.0	0.034	0.15	0.0082	0.0050	0.13	0.050	0.026	0.0050	9961299
Surrogate Recovery (%)											
D10-Anthracene	%	86	89	87	92		100		92		9961299
D14-Terphenyl (FS)	%	73	71	75	79		97		79		9961299
D8-Acenaphthylene	%	85	83	82	76		104		87		9961299

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

O.REG 153 PAHS (SOIL)

Bureau Veritas ID		ASLF72		ASLF73	ASLF74	ASLF75		
Sampling Date		2025/06/25 14:00		2025/06/24 14:30	2025/06/24 13:00	2025/06/25 13:30		
COC Number		N/A		N/A	N/A	N/A		
	UNITS	**S10**	**RDL**	**S11**	**S12**	**S13**	**RDL**	**QC Batch**
Calculated Parameters								
Methylnaphthalene, 2-(1-)	ug/g	ND	0.071	ND	ND	ND	0.0071	9959980
Polyaromatic Hydrocarbons								
Acenaphthene	ug/g	ND	0.050	ND	ND	ND	0.0050	9961299
Acenaphthylene	ug/g	ND	0.050	ND	ND	ND	0.0050	9961299
Anthracene	ug/g	ND	0.050	ND	ND	ND	0.0050	9961299
Benzo(a)anthracene	ug/g	0.058	0.050	ND	ND	0.0092	0.0050	9961299
Benzo(a)pyrene	ug/g	0.074	0.050	ND	ND	0.019	0.0050	9961299
Benzo(b/j)fluoranthene	ug/g	0.11	0.050	ND	ND	0.033	0.0050	9961299
Benzo(g,h,i)perylene	ug/g	0.077	0.050	ND	ND	0.017	0.0050	9961299
Benzo(k)fluoranthene	ug/g	ND	0.050	ND	ND	0.010	0.0050	9961299
Chrysene	ug/g	0.054	0.050	ND	ND	0.012	0.0050	9961299
Dibenzo(a,h)anthracene	ug/g	ND	0.050	ND	ND	ND	0.0050	9961299
Fluoranthene	ug/g	0.13	0.050	ND	ND	0.016	0.0050	9961299
Fluorene	ug/g	ND	0.050	ND	ND	ND	0.0050	9961299
Indeno(1,2,3-cd)pyrene	ug/g	0.060	0.050	ND	ND	0.016	0.0050	9961299
1-Methylnaphthalene	ug/g	ND	0.050	ND	ND	ND	0.0050	9961299
2-Methylnaphthalene	ug/g	ND	0.050	ND	ND	ND	0.0050	9961299
Naphthalene	ug/g	ND	0.050	ND	ND	ND	0.0050	9961299
Phenanthrene	ug/g	ND	0.050	ND	ND	ND	0.0050	9961299
Pyrene	ug/g	0.11	0.050	ND	ND	0.012	0.0050	9961299
Surrogate Recovery (%)								
D10-Anthracene	%	108		89	94	92		9961299
D14-Terphenyl (FS)	%	101		72	79	76		9961299
D8-Acenaphthylene	%	104		82	81	88		9961299

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

O.REG 153 PHCS, BTEX/F1-F4 (SOIL)

Bureau Veritas ID		ASLF63			ASLF63			ASLF64	ASLF65		
Sampling Date		2025/06/24 10:00			2025/06/24 10:00			2025/06/24 10:30	2025/06/25 10:00		
COC Number		N/A			N/A			N/A	N/A		
	UNITS	**S1**	**RDL**	**QC Batch**	**S1 Lab-Dup**	**RDL**	**QC Batch**	**S2**	**S3**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons											
Benzene	ug/g	ND	0.020	9960382	ND	0.020	9960382	ND	ND	0.020	9960382
Toluene	ug/g	ND	0.020	9960382	ND	0.020	9960382	ND	ND	0.020	9960382
Ethylbenzene	ug/g	ND	0.020	9960382	ND	0.020	9960382	ND	ND	0.020	9960382
o-Xylene	ug/g	ND	0.020	9960382	ND	0.020	9960382	ND	ND	0.020	9960382
p+m-Xylene	ug/g	ND	0.040	9960382	ND	0.040	9960382	ND	ND	0.040	9960382
Total Xylenes	ug/g	ND	0.040	9960382	ND	0.040	9960382	ND	ND	0.040	9960382
F1 (C6-C10)	ug/g	ND	10	9960382	ND	10	9960382	ND	ND	10	9960382
F1 (C6-C10) - BTEX	ug/g	ND	10	9960382	ND	10	9960382	ND	ND	10	9960382
F2-F4 Hydrocarbons											
F2 (C10-C16 Hydrocarbons)	ug/g	ND	7.0	9960611				ND	ND	7.0	9960611
F3 (C16-C34 Hydrocarbons)	ug/g	ND	50	9960611				ND	87	50	9960611
F4 (C34-C50 Hydrocarbons)	ug/g	ND	50	9960611				ND	130	50	9960611
Reached Baseline at C50	ug/g	Yes		9960611				Yes	Yes		9960611
Surrogate Recovery (%)											
1,4-Difluorobenzene	%	102		9960382	104		9960382	105	105		9960382
4-Bromofluorobenzene	%	95		9960382	94		9960382	94	96		9960382
D10-o-Xylene	%	101		9960382	100		9960382	101	102		9960382
D4-1,2-Dichloroethane	%	100		9960382	99		9960382	97	96		9960382
o-Terphenyl	%	90		9960611				90	90		9960611

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C577434
Report Date: 2025/07/03

St Lawrence Testing & Inspection Co Ltd
Client Project #: COMPOST SITE
Site Location: SMITH FALLS
Sampler Initials: GM

O.REG 153 PHCS, BTEX/F1-F4 (SOIL)

Bureau Veritas ID		ASLF66	ASLF67	ASLF68	ASLF69			ASLF69		
Sampling Date		2025/06/25 10:30	2025/06/25 10:45	2025/06/25 11:30	2025/06/25 10:45			2025/06/25 10:45		
COC Number		N/A	N/A	N/A	N/A			N/A		
	UNITS	**S4**	**S5**	**S6**	**S7**	**RDL**	**QC Batch**	**S7 Lab-Dup**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons										
Benzene	ug/g	ND	ND	ND	ND	0.020	9960382			
Toluene	ug/g	ND	ND	ND	ND	0.020	9960382			
Ethylbenzene	ug/g	ND	ND	ND	ND	0.020	9960382			
o-Xylene	ug/g	ND	ND	ND	ND	0.020	9960382			
p+m-Xylene	ug/g	ND	ND	ND	ND	0.040	9960382			
Total Xylenes	ug/g	ND	ND	ND	ND	0.040	9960382			
F1 (C6-C10)	ug/g	ND	ND	ND	ND	10	9960382			
F1 (C6-C10) - BTEX	ug/g	ND	ND	ND	ND	10	9960382			
F2-F4 Hydrocarbons										
F2 (C10-C16 Hydrocarbons)	ug/g	7.0	ND	ND	ND	7.0	9960611	ND	7.0	9960611
F3 (C16-C34 Hydrocarbons)	ug/g	120	ND	69	ND	50	9960611	ND	50	9960611
F4 (C34-C50 Hydrocarbons)	ug/g	160	ND	56	ND	50	9960611	ND	50	9960611
Reached Baseline at C50	ug/g	No	Yes	Yes	Yes		9960611	Yes		9960611
Surrogate Recovery (%)										
1,4-Difluorobenzene	%	103	102	102	101		9960382			
4-Bromofluorobenzene	%	94	95	95	96		9960382			
D10-o-Xylene	%	108	110	100	109		9960382			
D4-1,2-Dichloroethane	%	98	101	101	101		9960382			
o-Terphenyl	%	90	88	87	90		9960611	97		9960611

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

Bureau Veritas Job #: C577434
Report Date: 2025/07/03

St Lawrence Testing & Inspection Co Ltd
Client Project #: COMPOST SITE
Site Location: SMITH FALLS
Sampler Initials: GM

O.REG 153 PHCS, BTEX/F1-F4 (SOIL)

Bureau Veritas ID		ASLF70	ASLF71	ASLF72	ASLF73	ASLF74	ASLF75		
Sampling Date		2025/06/25 13:00	2025/06/25 13:30	2025/06/25 14:00	2025/06/24 14:30	2025/06/24 13:00	2025/06/25 13:30		
COC Number		N/A	N/A	N/A	N/A	N/A	N/A		
	UNITS	**S8**	**S9**	**S10**	**S11**	**S12**	**S13**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons									
Benzene	ug/g	ND	ND	ND	ND	ND	ND	0.020	9960382
Toluene	ug/g	ND	ND	0.024	ND	ND	ND	0.020	9960382
Ethylbenzene	ug/g	ND	ND	ND	ND	ND	ND	0.020	9960382
o-Xylene	ug/g	ND	ND	ND	ND	ND	ND	0.020	9960382
p+m-Xylene	ug/g	ND	ND	ND	ND	ND	ND	0.040	9960382
Total Xylenes	ug/g	ND	ND	ND	ND	ND	ND	0.040	9960382
F1 (C6-C10)	ug/g	ND	ND	ND	ND	ND	ND	10	9960382
F1 (C6-C10) - BTEX	ug/g	ND	ND	ND	ND	ND	ND	10	9960382
F2-F4 Hydrocarbons									
F2 (C10-C16 Hydrocarbons)	ug/g	8.9	ND	ND	ND	ND	ND	7.0	9960611
F3 (C16-C34 Hydrocarbons)	ug/g	140	ND	170	ND	ND	ND	50	9960611
F4 (C34-C50 Hydrocarbons)	ug/g	1000	110	360	ND	ND	ND	50	9960611
Reached Baseline at C50	ug/g	No	No	No	Yes	Yes	Yes		9960611
Surrogate Recovery (%)									
1,4-Difluorobenzene	%	105	102	104	102	104	103		9960382
4-Bromofluorobenzene	%	94	96	94	96	96	96		9960382
D10-o-Xylene	%	106	96	100	102	101	107		9960382
D4-1,2-Dichloroethane	%	101	101	103	102	102	101		9960382
o-Terphenyl	%	89	87	85	88	87	91		9960611

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C577434
Report Date: 2025/07/03

St Lawrence Testing & Inspection Co Ltd
Client Project #: COMPOST SITE
Site Location: SMITH FALLS
Sampler Initials: GM

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ASLF63	ASLF64	ASLF65	ASLF66	ASLF67	ASLF68	ASLF69		
Sampling Date		2025/06/24 10:00	2025/06/24 10:30	2025/06/25 10:00	2025/06/25 10:30	2025/06/25 10:45	2025/06/25 11:30	2025/06/25 10:45		
COC Number		N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	UNITS	**S1**	**S2**	**S3**	**S4**	**S5**	**S6**	**S7**	**RDL**	**QC Batch**
Inorganics										
Moisture	%	12	10	9.2	19	8.5	29	13	1.0	9960116

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		ASLF70	ASLF71	ASLF72	ASLF73	ASLF74	ASLF75		
Sampling Date		2025/06/25 13:00	2025/06/25 13:30	2025/06/25 14:00	2025/06/24 14:30	2025/06/24 13:00	2025/06/25 13:30		
COC Number		N/A	N/A	N/A	N/A	N/A	N/A		
	UNITS	**S8**	**S9**	**S10**	**S11**	**S12**	**S13**	**RDL**	**QC Batch**
Inorganics									
Moisture	%	9.3	8.4	12	11	10	16	1.0	9960116

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Client Project #: COMPOST SITE
Site Location: SMITH FALLS
Sampler Initials: GM

PETROLEUM HYDROCARBONS (CCME)

Bureau Veritas ID		ASLF66	ASLF70	ASLF71	ASLF72		
Sampling Date		2025/06/25 10:30	2025/06/25 13:00	2025/06/25 13:30	2025/06/25 14:00		
COC Number		N/A	N/A	N/A	N/A		
	UNITS	**S4**	**S8**	**S9**	**S10**	**RDL**	**QC Batch**
F2-F4 Hydrocarbons							
F4G-sg (Grav. Heavy Hydrocarbons)	ug/g	820	5700	510	2400	100	9962192

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

TEST SUMMARY

Bureau Veritas ID: ASLF63
Sample ID: S1
Matrix: Soil

Collected: 2025/06/24
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959980	N/A	2025/07/03	Automated Statchk
Hot Water Extractable Boron	ICP	9962324	2025/07/03	2025/07/03	Suban Kanapathippllai
Hexavalent Chromium in Soil by IC	IC/SPEC	9962182	2025/07/03	2025/07/03	Harpuneet Kaur
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9960382	N/A	2025/06/30	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9960611	2025/06/30	2025/07/01	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9961905	2025/07/02	2025/07/02	Daniel Teclu
Moisture	BAL	9960116	N/A	2025/06/28	Diksha Desawer
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9961299	2025/07/02	2025/07/03	Mitesh Raj

Bureau Veritas ID: ASLF63 Dup
Sample ID: S1
Matrix: Soil

Collected: 2025/06/24
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9960382	N/A	2025/06/30	Anca Ganea

Bureau Veritas ID: ASLF64
Sample ID: S2
Matrix: Soil

Collected: 2025/06/24
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959980	N/A	2025/07/03	Automated Statchk
Hot Water Extractable Boron	ICP	9962324	2025/07/03	2025/07/03	Suban Kanapathippllai
Hexavalent Chromium in Soil by IC	IC/SPEC	9962182	2025/07/03	2025/07/03	Harpuneet Kaur
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9960382	N/A	2025/06/30	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9960611	2025/06/30	2025/07/01	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9961905	2025/07/02	2025/07/02	Daniel Teclu
Moisture	BAL	9960116	N/A	2025/06/28	Diksha Desawer
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9961299	2025/07/02	2025/07/02	Mitesh Raj

Bureau Veritas ID: ASLF64 Dup
Sample ID: S2
Matrix: Soil

Collected: 2025/06/24
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hexavalent Chromium in Soil by IC	IC/SPEC	9962182	2025/07/03	2025/07/03	Harpuneet Kaur
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9961299	2025/07/02	2025/07/02	Mitesh Raj

Bureau Veritas ID: ASLF65
Sample ID: S3
Matrix: Soil

Collected: 2025/06/25
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959980	N/A	2025/07/03	Automated Statchk
Hot Water Extractable Boron	ICP	9962324	2025/07/03	2025/07/03	Suban Kanapathippllai
Hexavalent Chromium in Soil by IC	IC/SPEC	9962182	2025/07/03	2025/07/03	Harpuneet Kaur

TEST SUMMARY

Bureau Veritas ID: ASLF65
Sample ID: S3
Matrix: Soil

Collected: 2025/06/25
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9960382	N/A	2025/06/30	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9960611	2025/06/30	2025/07/01	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9961905	2025/07/02	2025/07/02	Daniel Teclu
Moisture	BAL	9960116	N/A	2025/06/28	Diksha Desawer
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9961299	2025/07/02	2025/07/03	Mitesh Raj

Bureau Veritas ID: ASLF66
Sample ID: S4
Matrix: Soil

Collected: 2025/06/25
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959980	N/A	2025/07/03	Automated Statchk
Hot Water Extractable Boron	ICP	9962324	2025/07/03	2025/07/03	Suban Kanapathippllai
Hexavalent Chromium in Soil by IC	IC/SPEC	9962182	2025/07/03	2025/07/03	Harpuneet Kaur
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9960382	N/A	2025/06/30	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9960611	2025/06/30	2025/07/01	Mohammed Abdul Nafay Shoeb
F4G (CCME Hydrocarbons Gravimetric)	BAL	9962192	2025/07/03	2025/07/03	Rashmi Dubey
Acid Extractable Metals by ICPMS	ICP/MS	9961905	2025/07/02	2025/07/02	Daniel Teclu
Moisture	BAL	9960116	N/A	2025/06/28	Diksha Desawer
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9961299	2025/07/02	2025/07/03	Mitesh Raj

Bureau Veritas ID: ASLF67
Sample ID: S5
Matrix: Soil

Collected: 2025/06/25
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959980	N/A	2025/07/03	Automated Statchk
Hot Water Extractable Boron	ICP	9962324	2025/07/03	2025/07/03	Suban Kanapathippllai
Hexavalent Chromium in Soil by IC	IC/SPEC	9962182	2025/07/03	2025/07/03	Harpuneet Kaur
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9960382	N/A	2025/06/30	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9960611	2025/06/30	2025/07/01	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9961905	2025/07/02	2025/07/02	Daniel Teclu
Moisture	BAL	9960116	N/A	2025/06/28	Diksha Desawer
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9961299	2025/07/02	2025/07/03	Mitesh Raj

Bureau Veritas ID: ASLF68
Sample ID: S6
Matrix: Soil

Collected: 2025/06/25
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959980	N/A	2025/07/03	Automated Statchk
Hot Water Extractable Boron	ICP	9962324	2025/07/03	2025/07/03	Suban Kanapathippllai
Hexavalent Chromium in Soil by IC	IC/SPEC	9962182	2025/07/03	2025/07/03	Harpuneet Kaur
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9960382	N/A	2025/06/30	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9960611	2025/06/30	2025/07/01	Mohammed Abdul Nafay Shoeb

TEST SUMMARY

Bureau Veritas ID: ASLF68
Sample ID: S6
Matrix: Soil

Collected: 2025/06/25
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9961905	2025/07/02	2025/07/02	Daniel Teclu
Moisture	BAL	9960116	N/A	2025/06/28	Diksha Desawer
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9961299	2025/07/02	2025/07/03	Mitesh Raj

Bureau Veritas ID: ASLF69
Sample ID: S7
Matrix: Soil

Collected: 2025/06/25
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959980	N/A	2025/07/03	Automated Statchk
Hot Water Extractable Boron	ICP	9962324	2025/07/03	2025/07/03	Suban Kanapathippllai
Hexavalent Chromium in Soil by IC	IC/SPEC	9962182	2025/07/03	2025/07/03	Harpuneet Kaur
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9960382	N/A	2025/06/30	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9960611	2025/06/30	2025/07/01	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9961905	2025/07/02	2025/07/02	Daniel Teclu
Moisture	BAL	9960116	N/A	2025/06/28	Diksha Desawer
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9961299	2025/07/02	2025/07/03	Mitesh Raj

Bureau Veritas ID: ASLF69 Dup
Sample ID: S7
Matrix: Soil

Collected: 2025/06/25
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9962324	2025/07/03	2025/07/03	Suban Kanapathippllai
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9960611	2025/06/30	2025/07/01	Mohammed Abdul Nafay Shoeb

Bureau Veritas ID: ASLF70
Sample ID: S8
Matrix: Soil

Collected: 2025/06/25
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959980	N/A	2025/07/03	Automated Statchk
Hot Water Extractable Boron	ICP	9962324	2025/07/03	2025/07/03	Suban Kanapathippllai
Hexavalent Chromium in Soil by IC	IC/SPEC	9962182	2025/07/03	2025/07/03	Harpuneet Kaur
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9960382	N/A	2025/07/01	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9960611	2025/06/30	2025/07/01	Mohammed Abdul Nafay Shoeb
F4G (CCME Hydrocarbons Gravimetric)	BAL	9962192	2025/07/03	2025/07/03	Rashmi Dubey
Acid Extractable Metals by ICPMS	ICP/MS	9961905	2025/07/02	2025/07/02	Daniel Teclu
Moisture	BAL	9960116	N/A	2025/06/28	Diksha Desawer
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9961299	2025/07/02	2025/07/03	Mitesh Raj

TEST SUMMARY

Bureau Veritas ID: ASLF71
Sample ID: S9
Matrix: Soil

Collected: 2025/06/25
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959980	N/A	2025/07/03	Automated Statchk
Hot Water Extractable Boron	ICP	9962324	2025/07/03	2025/07/03	Suban Kanapathippllai
Hexavalent Chromium in Soil by IC	IC/SPEC	9962182	2025/07/03	2025/07/03	Harpuneet Kaur
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9960382	N/A	2025/07/01	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9960611	2025/06/30	2025/07/01	Mohammed Abdul Nafay Shoeb
F4G (CCME Hydrocarbons Gravimetric)	BAL	9962192	2025/07/03	2025/07/03	Rashmi Dubey
Acid Extractable Metals by ICPMS	ICP/MS	9961905	2025/07/02	2025/07/02	Daniel Teclu
Moisture	BAL	9960116	N/A	2025/06/28	Diksha Desawer
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9961299	2025/07/02	2025/07/03	Mitesh Raj

Bureau Veritas ID: ASLF72
Sample ID: S10
Matrix: Soil

Collected: 2025/06/25
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959980	N/A	2025/07/03	Automated Statchk
Hot Water Extractable Boron	ICP	9962324	2025/07/03	2025/07/03	Suban Kanapathippllai
Hexavalent Chromium in Soil by IC	IC/SPEC	9962182	2025/07/03	2025/07/03	Harpuneet Kaur
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9960382	N/A	2025/07/01	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9960611	2025/06/30	2025/07/01	Mohammed Abdul Nafay Shoeb
F4G (CCME Hydrocarbons Gravimetric)	BAL	9962192	2025/07/03	2025/07/03	Rashmi Dubey
Acid Extractable Metals by ICPMS	ICP/MS	9961905	2025/07/02	2025/07/02	Daniel Teclu
Moisture	BAL	9960116	N/A	2025/06/28	Diksha Desawer
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9961299	2025/07/02	2025/07/03	Mitesh Raj

Bureau Veritas ID: ASLF73
Sample ID: S11
Matrix: Soil

Collected: 2025/06/24
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959980	N/A	2025/07/03	Automated Statchk
Hot Water Extractable Boron	ICP	9962324	2025/07/03	2025/07/03	Suban Kanapathippllai
Hexavalent Chromium in Soil by IC	IC/SPEC	9962182	2025/07/03	2025/07/03	Harpuneet Kaur
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9960382	N/A	2025/07/01	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9960611	2025/06/30	2025/07/01	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9961905	2025/07/02	2025/07/02	Daniel Teclu
Moisture	BAL	9960116	N/A	2025/06/28	Diksha Desawer
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9961299	2025/07/02	2025/07/03	Mitesh Raj

Bureau Veritas ID: ASLF74
Sample ID: S12
Matrix: Soil

Collected: 2025/06/24
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959980	N/A	2025/07/03	Automated Statchk

Bureau Veritas Job #: C577434
Report Date: 2025/07/03

St Lawrence Testing & Inspection Co Ltd
Client Project #: COMPOST SITE
Site Location: SMITH FALLS
Sampler Initials: GM

TEST SUMMARY

Bureau Veritas ID: ASLF74
Sample ID: S12
Matrix: Soil

Collected: 2025/06/24
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9962324	2025/07/03	2025/07/03	Suban Kanapathippllai
Hexavalent Chromium in Soil by IC	IC/SPEC	9962182	2025/07/03	2025/07/03	Harpuneet Kaur
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9960382	N/A	2025/07/01	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9960611	2025/06/30	2025/07/01	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9961905	2025/07/02	2025/07/02	Daniel Teclu
Moisture	BAL	9960116	N/A	2025/06/28	Diksha Desawer
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9961299	2025/07/02	2025/07/03	Mitesh Raj

Bureau Veritas ID: ASLF75
Sample ID: S13
Matrix: Soil

Collected: 2025/06/25
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959980	N/A	2025/07/03	Automated Statchk
Hot Water Extractable Boron	ICP	9962324	2025/07/03	2025/07/03	Suban Kanapathippllai
Hexavalent Chromium in Soil by IC	IC/SPEC	9962182	2025/07/03	2025/07/03	Harpuneet Kaur
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9960382	N/A	2025/07/01	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9960611	2025/06/30	2025/07/01	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9961905	2025/07/02	2025/07/02	Daniel Teclu
Moisture	BAL	9960116	N/A	2025/06/28	Diksha Desawer
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9961299	2025/07/02	2025/07/03	Mitesh Raj

Bureau Veritas ID: ASLF75 Dup
Sample ID: S13
Matrix: Soil

Collected: 2025/06/25
Shipped:
Received: 2025/06/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9961905	2025/07/02	2025/07/02	Daniel Teclu

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	2.0°C

F1 Analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency.

Sample ASLF70 [S8] : PAH Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample ASLF72 [S10] : PAH Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9960116	DDR	RPD	Moisture	2025/06/28	1.2		%	20
9960382	AGA	Matrix Spike [ASLF63-04]	1,4-Difluorobenzene	2025/06/30		99	%	60 - 140
			4-Bromofluorobenzene	2025/06/30		100	%	60 - 140
			D10-o-Xylene	2025/06/30		101	%	60 - 140
			D4-1,2-Dichloroethane	2025/06/30		95	%	60 - 140
			Benzene	2025/06/30		79	%	50 - 140
			Toluene	2025/06/30		80	%	50 - 140
			Ethylbenzene	2025/06/30		92	%	50 - 140
			o-Xylene	2025/06/30		92	%	50 - 140
			p+m-Xylene	2025/06/30		89	%	50 - 140
			F1 (C6-C10)	2025/06/30		93	%	60 - 140
9960382	AGA	Spiked Blank	1,4-Difluorobenzene	2025/06/30		94	%	60 - 140
			4-Bromofluorobenzene	2025/06/30		98	%	60 - 140
			D10-o-Xylene	2025/06/30		100	%	60 - 140
			D4-1,2-Dichloroethane	2025/06/30		99	%	60 - 140
			Benzene	2025/06/30		87	%	50 - 140
			Toluene	2025/06/30		85	%	50 - 140
			Ethylbenzene	2025/06/30		95	%	50 - 140
			o-Xylene	2025/06/30		97	%	50 - 140
			p+m-Xylene	2025/06/30		91	%	50 - 140
			F1 (C6-C10)	2025/06/30		96	%	80 - 120
9960382	AGA	Method Blank	1,4-Difluorobenzene	2025/06/30		104	%	60 - 140
			4-Bromofluorobenzene	2025/06/30		94	%	60 - 140
			D10-o-Xylene	2025/06/30		99	%	60 - 140
			D4-1,2-Dichloroethane	2025/06/30		99	%	60 - 140
			Benzene	2025/06/30	ND, RDL=0.020		ug/g	
			Toluene	2025/06/30	ND, RDL=0.020		ug/g	
			Ethylbenzene	2025/06/30	ND, RDL=0.020		ug/g	
			o-Xylene	2025/06/30	ND, RDL=0.020		ug/g	
			p+m-Xylene	2025/06/30	ND, RDL=0.040		ug/g	
			Total Xylenes	2025/06/30	ND, RDL=0.040		ug/g	
			F1 (C6-C10)	2025/06/30	ND, RDL=10		ug/g	
			F1 (C6-C10) - BTEX	2025/06/30	ND, RDL=10		ug/g	
9960382	AGA	RPD [ASLF63-04]	Benzene	2025/06/30	NC		%	50
			Toluene	2025/06/30	NC		%	50
			Ethylbenzene	2025/06/30	NC		%	50
			o-Xylene	2025/06/30	NC		%	50
			p+m-Xylene	2025/06/30	NC		%	50
			Total Xylenes	2025/06/30	NC		%	50
			F1 (C6-C10)	2025/06/30	NC		%	30
			F1 (C6-C10) - BTEX	2025/06/30	NC		%	30
9960611	MSZ	Matrix Spike [ASLF69-03]	o-Terphenyl	2025/07/01		86	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2025/07/01		92	%	60 - 140
			F3 (C16-C34 Hydrocarbons)	2025/07/01		92	%	60 - 140
			F4 (C34-C50 Hydrocarbons)	2025/07/01		86	%	60 - 140

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9960611	MSZ	Spiked Blank	o-Terphenyl	2025/07/01		84	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2025/07/01		87	%	80 - 120
			F3 (C16-C34 Hydrocarbons)	2025/07/01		87	%	80 - 120
			F4 (C34-C50 Hydrocarbons)	2025/07/01		80	%	80 - 120
9960611	MSZ	Method Blank	o-Terphenyl	2025/06/30		87	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2025/06/30	ND, RDL=7.0		ug/g	
			F3 (C16-C34 Hydrocarbons)	2025/06/30	ND, RDL=50		ug/g	
			F4 (C34-C50 Hydrocarbons)	2025/06/30	ND, RDL=50		ug/g	
9960611	MSZ	RPD [ASLF69-03]	F2 (C10-C16 Hydrocarbons)	2025/07/01	NC		%	30
			F3 (C16-C34 Hydrocarbons)	2025/07/01	NC		%	30
			F4 (C34-C50 Hydrocarbons)	2025/07/01	NC		%	30
9961299	RAJ	Matrix Spike [ASLF64-03]	D10-Anthracene	2025/07/02		91	%	50 - 130
			D14-Terphenyl (FS)	2025/07/02		85	%	50 - 130
			D8-Acenaphthylene	2025/07/02		84	%	50 - 130
			Acenaphthene	2025/07/02		88	%	50 - 130
			Acenaphthylene	2025/07/02		83	%	50 - 130
			Anthracene	2025/07/02		103	%	50 - 130
			Benzo(a)anthracene	2025/07/02		98	%	50 - 130
			Benzo(a)pyrene	2025/07/02		95	%	50 - 130
			Benzo(b/j)fluoranthene	2025/07/02		97	%	50 - 130
			Benzo(g,h,i)perylene	2025/07/02		98	%	50 - 130
			Benzo(k)fluoranthene	2025/07/02		95	%	50 - 130
			Chrysene	2025/07/02		92	%	50 - 130
			Dibenzo(a,h)anthracene	2025/07/02		98	%	50 - 130
			Fluoranthene	2025/07/02		97	%	50 - 130
			Fluorene	2025/07/02		90	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2025/07/02		100	%	50 - 130
			1-Methylnaphthalene	2025/07/02		75	%	50 - 130
			2-Methylnaphthalene	2025/07/02		79	%	50 - 130
			Naphthalene	2025/07/02		70	%	50 - 130
			Phenanthrene	2025/07/02		92	%	50 - 130
			Pyrene	2025/07/02		98	%	50 - 130
9961299	RAJ	Spiked Blank	D10-Anthracene	2025/07/02		96	%	50 - 130
			D14-Terphenyl (FS)	2025/07/02		86	%	50 - 130
			D8-Acenaphthylene	2025/07/02		93	%	50 - 130
			Acenaphthene	2025/07/02		94	%	50 - 130
			Acenaphthylene	2025/07/02		92	%	50 - 130
			Anthracene	2025/07/02		104	%	50 - 130
			Benzo(a)anthracene	2025/07/02		102	%	50 - 130
			Benzo(a)pyrene	2025/07/02		96	%	50 - 130
			Benzo(b/j)fluoranthene	2025/07/02		99	%	50 - 130
			Benzo(g,h,i)perylene	2025/07/02		100	%	50 - 130
			Benzo(k)fluoranthene	2025/07/02		98	%	50 - 130
			Chrysene	2025/07/02		95	%	50 - 130
			Dibenzo(a,h)anthracene	2025/07/02		100	%	50 - 130
			Fluoranthene	2025/07/02		97	%	50 - 130
			Fluorene	2025/07/02		94	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2025/07/02		104	%	50 - 130
			1-Methylnaphthalene	2025/07/02		90	%	50 - 130
			2-Methylnaphthalene	2025/07/02		96	%	50 - 130

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Naphthalene	2025/07/02		94	%	50 - 130
			Phenanthrene	2025/07/02		93	%	50 - 130
			Pyrene	2025/07/02		99	%	50 - 130
9961299	RAJ	Method Blank	D10-Anthracene	2025/07/02		96	%	50 - 130
			D14-Terphenyl (FS)	2025/07/02		81	%	50 - 130
			D8-Acenaphthylene	2025/07/02		92	%	50 - 130
			Acenaphthene	2025/07/02	ND, RDL=0.0050		ug/g	
			Acenaphthylene	2025/07/02	ND, RDL=0.0050		ug/g	
			Anthracene	2025/07/02	ND, RDL=0.0050		ug/g	
			Benzo(a)anthracene	2025/07/02	ND, RDL=0.0050		ug/g	
			Benzo(a)pyrene	2025/07/02	ND, RDL=0.0050		ug/g	
			Benzo(b/j)fluoranthene	2025/07/02	ND, RDL=0.0050		ug/g	
			Benzo(g,h,i)perylene	2025/07/02	ND, RDL=0.0050		ug/g	
			Benzo(k)fluoranthene	2025/07/02	ND, RDL=0.0050		ug/g	
			Chrysene	2025/07/02	ND, RDL=0.0050		ug/g	
			Dibenzo(a,h)anthracene	2025/07/02	ND, RDL=0.0050		ug/g	
			Fluoranthene	2025/07/02	ND, RDL=0.0050		ug/g	
			Fluorene	2025/07/02	ND, RDL=0.0050		ug/g	
			Indeno(1,2,3-cd)pyrene	2025/07/02	ND, RDL=0.0050		ug/g	
			1-Methylnaphthalene	2025/07/02	ND, RDL=0.0050		ug/g	
			2-Methylnaphthalene	2025/07/02	ND, RDL=0.0050		ug/g	
			Naphthalene	2025/07/02	ND, RDL=0.0050		ug/g	
			Phenanthrene	2025/07/02	ND, RDL=0.0050		ug/g	
			Pyrene	2025/07/02	ND, RDL=0.0050		ug/g	
9961299	RAJ	RPD [ASLF64-03]	Acenaphthene	2025/07/02	NC		%	40
			Acenaphthylene	2025/07/02	NC		%	40
			Anthracene	2025/07/02	NC		%	40
			Benzo(a)anthracene	2025/07/02	NC		%	40
			Benzo(a)pyrene	2025/07/02	NC		%	40
			Benzo(b/j)fluoranthene	2025/07/02	NC		%	40
			Benzo(g,h,i)perylene	2025/07/02	NC		%	40
			Benzo(k)fluoranthene	2025/07/02	NC		%	40
			Chrysene	2025/07/02	NC		%	40
			Dibenzo(a,h)anthracene	2025/07/02	NC		%	40
			Fluoranthene	2025/07/02	NC		%	40
			Fluorene	2025/07/02	NC		%	40

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Indeno(1,2,3-cd)pyrene	2025/07/02	NC		%	40
			1-Methylnaphthalene	2025/07/02	NC		%	40
			2-Methylnaphthalene	2025/07/02	NC		%	40
			Naphthalene	2025/07/02	NC		%	40
			Phenanthrene	2025/07/02	NC		%	40
			Pyrene	2025/07/02	NC		%	40
9961905	DT1	Matrix Spike [ASLF75-01]	Acid Extractable Antimony (Sb)	2025/07/02		115	%	75 - 125
			Acid Extractable Arsenic (As)	2025/07/02		104	%	75 - 125
			Acid Extractable Barium (Ba)	2025/07/02		NC	%	75 - 125
			Acid Extractable Beryllium (Be)	2025/07/02		101	%	75 - 125
			Acid Extractable Boron (B)	2025/07/02		99	%	75 - 125
			Acid Extractable Cadmium (Cd)	2025/07/02		101	%	75 - 125
			Acid Extractable Chromium (Cr)	2025/07/02		101	%	75 - 125
			Acid Extractable Cobalt (Co)	2025/07/02		101	%	75 - 125
			Acid Extractable Copper (Cu)	2025/07/02		99	%	75 - 125
			Acid Extractable Lead (Pb)	2025/07/02		105	%	75 - 125
			Acid Extractable Molybdenum (Mo)	2025/07/02		96	%	75 - 125
			Acid Extractable Nickel (Ni)	2025/07/02		101	%	75 - 125
			Acid Extractable Selenium (Se)	2025/07/02		107	%	75 - 125
			Acid Extractable Silver (Ag)	2025/07/02		101	%	75 - 125
			Acid Extractable Thallium (Tl)	2025/07/02		108	%	75 - 125
			Acid Extractable Uranium (U)	2025/07/02		111	%	75 - 125
			Acid Extractable Vanadium (V)	2025/07/02		103	%	75 - 125
			Acid Extractable Zinc (Zn)	2025/07/02		NC	%	75 - 125
			Acid Extractable Mercury (Hg)	2025/07/02		101	%	75 - 125
9961905	DT1	Spiked Blank	Acid Extractable Antimony (Sb)	2025/07/02		113	%	80 - 120
			Acid Extractable Arsenic (As)	2025/07/02		101	%	80 - 120
			Acid Extractable Barium (Ba)	2025/07/02		101	%	80 - 120
			Acid Extractable Beryllium (Be)	2025/07/02		96	%	80 - 120
			Acid Extractable Boron (B)	2025/07/02		89	%	80 - 120
			Acid Extractable Cadmium (Cd)	2025/07/02		97	%	80 - 120
			Acid Extractable Chromium (Cr)	2025/07/02		98	%	80 - 120
			Acid Extractable Cobalt (Co)	2025/07/02		98	%	80 - 120
			Acid Extractable Copper (Cu)	2025/07/02		97	%	80 - 120
			Acid Extractable Lead (Pb)	2025/07/02		103	%	80 - 120
			Acid Extractable Molybdenum (Mo)	2025/07/02		91	%	80 - 120
			Acid Extractable Nickel (Ni)	2025/07/02		102	%	80 - 120
			Acid Extractable Selenium (Se)	2025/07/02		103	%	80 - 120
			Acid Extractable Silver (Ag)	2025/07/02		96	%	80 - 120
			Acid Extractable Thallium (Tl)	2025/07/02		105	%	80 - 120
			Acid Extractable Uranium (U)	2025/07/02		106	%	80 - 120
			Acid Extractable Vanadium (V)	2025/07/02		99	%	80 - 120
			Acid Extractable Zinc (Zn)	2025/07/02		101	%	80 - 120
			Acid Extractable Mercury (Hg)	2025/07/02		97	%	80 - 120
9961905	DT1	Method Blank	Acid Extractable Antimony (Sb)	2025/07/02	ND, RDL=0.20		ug/g	
			Acid Extractable Arsenic (As)	2025/07/02	ND, RDL=1.0		ug/g	
			Acid Extractable Barium (Ba)	2025/07/02	ND, RDL=0.50		ug/g	
			Acid Extractable Beryllium (Be)	2025/07/02	ND, RDL=0.20		ug/g	

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Acid Extractable Boron (B)	2025/07/02	ND, RDL=5.0		ug/g	
			Acid Extractable Cadmium (Cd)	2025/07/02	ND, RDL=0.10		ug/g	
			Acid Extractable Chromium (Cr)	2025/07/02	ND, RDL=1.0		ug/g	
			Acid Extractable Cobalt (Co)	2025/07/02	ND, RDL=0.10		ug/g	
			Acid Extractable Copper (Cu)	2025/07/02	ND, RDL=0.50		ug/g	
			Acid Extractable Lead (Pb)	2025/07/02	ND, RDL=1.0		ug/g	
			Acid Extractable Molybdenum (Mo)	2025/07/02	ND, RDL=0.50		ug/g	
			Acid Extractable Nickel (Ni)	2025/07/02	ND, RDL=0.50		ug/g	
			Acid Extractable Selenium (Se)	2025/07/02	ND, RDL=0.50		ug/g	
			Acid Extractable Silver (Ag)	2025/07/02	ND, RDL=0.20		ug/g	
			Acid Extractable Thallium (Tl)	2025/07/02	ND, RDL=0.050		ug/g	
			Acid Extractable Uranium (U)	2025/07/02	ND, RDL=0.050		ug/g	
			Acid Extractable Vanadium (V)	2025/07/02	ND, RDL=5.0		ug/g	
			Acid Extractable Zinc (Zn)	2025/07/02	ND, RDL=5.0		ug/g	
			Acid Extractable Mercury (Hg)	2025/07/02	ND, RDL=0.050		ug/g	
9961905	DT1	RPD [ASLF75-01]	Acid Extractable Antimony (Sb)	2025/07/02	NC		%	30
			Acid Extractable Arsenic (As)	2025/07/02	5.0		%	30
			Acid Extractable Barium (Ba)	2025/07/02	3.7		%	30
			Acid Extractable Beryllium (Be)	2025/07/02	4.5		%	30
			Acid Extractable Boron (B)	2025/07/02	4.3		%	30
			Acid Extractable Cadmium (Cd)	2025/07/02	NC		%	30
			Acid Extractable Chromium (Cr)	2025/07/02	1.1		%	30
			Acid Extractable Cobalt (Co)	2025/07/02	1.5		%	30
			Acid Extractable Copper (Cu)	2025/07/02	0.24		%	30
			Acid Extractable Lead (Pb)	2025/07/02	2.9		%	30
			Acid Extractable Molybdenum (Mo)	2025/07/02	NC		%	30
			Acid Extractable Nickel (Ni)	2025/07/02	3.2		%	30
			Acid Extractable Selenium (Se)	2025/07/02	NC		%	30
			Acid Extractable Silver (Ag)	2025/07/02	NC		%	30
			Acid Extractable Thallium (Tl)	2025/07/02	8.8		%	30
			Acid Extractable Uranium (U)	2025/07/02	3.3		%	30
			Acid Extractable Vanadium (V)	2025/07/02	0.38		%	30
			Acid Extractable Zinc (Zn)	2025/07/02	0.36		%	30
			Acid Extractable Mercury (Hg)	2025/07/02	NC		%	30
9962182	HK1	Matrix Spike [ASLF64-01]	Chromium (VI)	2025/07/03		85	%	70 - 130
9962182	HK1	Spiked Blank	Chromium (VI)	2025/07/03		89	%	80 - 120
9962182	HK1	Method Blank	Chromium (VI)	2025/07/03	ND, RDL=0.18		ug/g	
9962182	HK1	RPD [ASLF64-01]	Chromium (VI)	2025/07/03	NC		%	35

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9962192	RDU	Matrix Spike	F4G-sg (Grav. Heavy Hydrocarbons)	2025/07/03		82	%	65 - 135
9962192	RDU	Spiked Blank	F4G-sg (Grav. Heavy Hydrocarbons)	2025/07/03		101	%	65 - 135
9962192	RDU	Method Blank	F4G-sg (Grav. Heavy Hydrocarbons)	2025/07/03	ND, RDL=100		ug/g	
9962192	RDU	RPD	F4G-sg (Grav. Heavy Hydrocarbons)	2025/07/03	7.7		%	50
9962324	SUK	Matrix Spike [ASLF69-01]	Hot Water Ext. Boron (B)	2025/07/03		100	%	75 - 125
9962324	SUK	Spiked Blank	Hot Water Ext. Boron (B)	2025/07/03		104	%	75 - 125
9962324	SUK	Method Blank	Hot Water Ext. Boron (B)	2025/07/03	ND, RDL=0.050		ug/g	
9962324	SUK	RPD [ASLF69-01]	Hot Water Ext. Boron (B)	2025/07/03	9.0		%	40

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

Bureau Veritas Job #: C577434
Report Date: 2025/07/03

St Lawrence Testing & Inspection Co Ltd
Client Project #: COMPOST SITE
Site Location: SMITH FALLS
Sampler Initials: GM

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Your Project #: COMPOST SITE
Site Location: SMITHS FALLS
Your C.O.C. #: N/A

Attention: Gib McIntee
St Lawrence Testing & Inspection Co Ltd

814 Second St W
PO Box 997
Cornwall, ON
CANADA K6H 5V1

Report Date: 2025/07/03
Report #: R8569237
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C577436
Received: 2025/06/27, 11:30

Sample Matrix: Water
Samples Received: 6

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum (1)	6	N/A	2025/07/02	CAM SOP-00301	EPA 8270D m
Chromium (VI) in Water (1)	6	N/A	2025/06/30	CAM SOP-00436	EPA 7199 m
Petroleum Hydro. CCME F1 & BTEX in Water (1)	4	N/A	2025/07/02	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydro. CCME F1 & BTEX in Water (1)	2	N/A	2025/07/03	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	6	2025/06/29	2025/06/30	CAM SOP-00316	CCME PHC-CWS m
Mercury (1)	6	2025/06/30	2025/06/30	CAM SOP-00453	EPA 7470A m
Dissolved Metals by ICPMS (1)	6	N/A	2025/06/30	CAM SOP-00447	EPA 6020B m
PAH Compounds in Water by GC/MS (SIM) (1)	6	2025/06/29	2025/06/30	CAM SOP-00318	EPA 8270E

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the

Your Project #: COMPOST SITE
Site Location: SMITHS FALLS
Your C.O.C. #: N/A

Attention: Gib McIntee

St Lawrence Testing & Inspection Co Ltd

814 Second St W
PO Box 997
Cornwall, ON
CANADA K6H 5V1

Report Date: 2025/07/03
Report #: R8569237
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C577436

Received: 2025/06/27, 11:30

reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Jolanta Goralczyk
Project Manager
03 Jul 2025 17:26:58

Please direct all questions regarding this Certificate of Analysis to:
Jolanta Goralczyk, Project Manager
Email: Jolanta.Goralczyk@bureauveritas.com
Phone# (905)817-5751

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

O.REG 153 METALS PACKAGE (WATER)

Bureau Veritas ID		ASLF87			ASLF87			ASLF88	ASLF89		
Sampling Date		2025/06/26 10:30			2025/06/26 10:30			2025/06/26 11:00	2025/06/26 10:15		
COC Number		N/A			N/A			N/A	N/A		
	UNITS	**MW 1**	**RDL**	**QC Batch**	**MW 1 Lab-Dup**	**RDL**	**QC Batch**	**MW 2**	**MW 3**	**RDL**	**QC Batch**
Metals											
Chromium (VI)	ug/L	ND	0.50	9960659	ND	0.50	9960659	ND	ND	0.50	9960659
Mercury (Hg)	ug/L	ND	0.10	9960669				ND	ND	0.10	9960669
Dissolved Antimony (Sb)	ug/L	ND	0.50	9960077				ND	ND	0.50	9960077
Dissolved Arsenic (As)	ug/L	ND	1.0	9960077				1.9	ND	1.0	9960077
Dissolved Barium (Ba)	ug/L	150	2.0	9960077				350	190	2.0	9960077
Dissolved Beryllium (Be)	ug/L	ND	0.40	9960077				ND	ND	0.40	9960077
Dissolved Boron (B)	ug/L	21	10	9960077				56	51	10	9960077
Dissolved Cadmium (Cd)	ug/L	ND	0.090	9960077				ND	ND	0.090	9960077
Dissolved Chromium (Cr)	ug/L	ND	5.0	9960077				ND	ND	5.0	9960077
Dissolved Cobalt (Co)	ug/L	2.4	0.50	9960077				2.2	ND	0.50	9960077
Dissolved Copper (Cu)	ug/L	ND	0.90	9960077				3.4	0.97	0.90	9960077
Dissolved Lead (Pb)	ug/L	ND	0.50	9960077				ND	ND	0.50	9960077
Dissolved Molybdenum (Mo)	ug/L	2.6	0.50	9960077				13	4.9	0.50	9960077
Dissolved Nickel (Ni)	ug/L	2.4	1.0	9960077				3.2	2.1	1.0	9960077
Dissolved Selenium (Se)	ug/L	ND	2.0	9960077				ND	ND	2.0	9960077
Dissolved Silver (Ag)	ug/L	ND	0.090	9960077				ND	ND	0.090	9960077
Dissolved Sodium (Na)	ug/L	17000	100	9960077				300000	38000	100	9960077
Dissolved Thallium (Tl)	ug/L	ND	0.050	9960077				ND	ND	0.050	9960077
Dissolved Uranium (U)	ug/L	0.70	0.10	9960077				2.6	1.3	0.10	9960077
Dissolved Vanadium (V)	ug/L	ND	0.50	9960077				4.2	ND	0.50	9960077
Dissolved Zinc (Zn)	ug/L	ND	5.0	9960077				ND	ND	5.0	9960077

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C577436
Report Date: 2025/07/03

St Lawrence Testing & Inspection Co Ltd
Client Project #: COMPOST SITE
Site Location: SMITHS FALLS

O.REG 153 METALS PACKAGE (WATER)

Bureau Veritas ID		ASLF90	ASLF91	ASLF92		
Sampling Date		2025/06/26 10:00	2025/06/26 09:40	2025/06/26 10:45		
COC Number		N/A	N/A	N/A		
	UNITS	**MW 4**	**MW 6**	**MW 7**	**RDL**	**QC Batch**
Metals						
Chromium (VI)	ug/L	ND	1.9	ND	0.50	9960659
Mercury (Hg)	ug/L	ND	ND	ND	0.10	9960669
Dissolved Antimony (Sb)	ug/L	ND	ND	ND	0.50	9960077
Dissolved Arsenic (As)	ug/L	ND	ND	ND	1.0	9960077
Dissolved Barium (Ba)	ug/L	120	120	340	2.0	9960077
Dissolved Beryllium (Be)	ug/L	ND	ND	ND	0.40	9960077
Dissolved Boron (B)	ug/L	59	25	40	10	9960077
Dissolved Cadmium (Cd)	ug/L	ND	ND	ND	0.090	9960077
Dissolved Chromium (Cr)	ug/L	ND	ND	ND	5.0	9960077
Dissolved Cobalt (Co)	ug/L	0.86	ND	ND	0.50	9960077
Dissolved Copper (Cu)	ug/L	5.0	7.2	3.3	0.90	9960077
Dissolved Lead (Pb)	ug/L	ND	ND	ND	0.50	9960077
Dissolved Molybdenum (Mo)	ug/L	4.3	3.0	2.0	0.50	9960077
Dissolved Nickel (Ni)	ug/L	2.4	1.2	ND	1.0	9960077
Dissolved Selenium (Se)	ug/L	ND	ND	ND	2.0	9960077
Dissolved Silver (Ag)	ug/L	ND	ND	ND	0.090	9960077
Dissolved Sodium (Na)	ug/L	170000	210000	7800	100	9960077
Dissolved Thallium (Tl)	ug/L	ND	ND	ND	0.050	9960077
Dissolved Uranium (U)	ug/L	10	1.0	2.8	0.10	9960077
Dissolved Vanadium (V)	ug/L	ND	1.3	0.59	0.50	9960077
Dissolved Zinc (Zn)	ug/L	ND	7.2	6.1	5.0	9960077

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

O.REG 153 PAHS (WATER)

Bureau Veritas ID		ASLF87	ASLF88	ASLF89	ASLF90	ASLF91	ASLF92		
Sampling Date		2025/06/26 10:30	2025/06/26 11:00	2025/06/26 10:15	2025/06/26 10:00	2025/06/26 09:40	2025/06/26 10:45		
COC Number		N/A	N/A	N/A	N/A	N/A	N/A		
	UNITS	**MW 1**	**MW 2**	**MW 3**	**MW 4**	**MW 6**	**MW 7**	**RDL**	**QC Batch**
Calculated Parameters									
Methylnaphthalene, 2-(1-)	ug/L	ND	ND	ND	ND	ND	ND	0.071	9959971
Polyaromatic Hydrocarbons									
Acenaphthene	ug/L	ND	ND	0.098	ND	ND	ND	0.050	9960196
Acenaphthylene	ug/L	ND	ND	ND	ND	ND	ND	0.050	9960196
Anthracene	ug/L	ND	ND	ND	ND	ND	ND	0.050	9960196
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	ND	0.050	9960196
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.0090	9960196
Benzo(b/j)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.050	9960196
Benzo(g,h,i)perylene	ug/L	ND	ND	ND	ND	ND	ND	0.050	9960196
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.050	9960196
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	0.050	9960196
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND	0.050	9960196
Fluoranthene	ug/L	0.052	ND	0.098	ND	ND	ND	0.050	9960196
Fluorene	ug/L	ND	ND	0.078	ND	ND	ND	0.050	9960196
Indeno(1,2,3-cd)pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.050	9960196
1-Methylnaphthalene	ug/L	ND	ND	ND	ND	ND	ND	0.050	9960196
2-Methylnaphthalene	ug/L	ND	ND	ND	ND	ND	ND	0.050	9960196
Naphthalene	ug/L	ND	ND	0.12	ND	ND	ND	0.050	9960196
Phenanthrene	ug/L	0.18	ND	0.33	0.031	0.083	0.064	0.030	9960196
Pyrene	ug/L	0.073	ND	0.080	ND	ND	ND	0.050	9960196
Surrogate Recovery (%)									
D10-Anthracene	%	101	98	94	99	99	86		9960196
D14-Terphenyl (FS)	%	96	92	88	93	95	79		9960196
D8-Acenaphthylene	%	95	89	88	89	91	78		9960196

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

O.REG 153 PHCS, BTEX/F1-F4 (WATER)

Bureau Veritas ID		ASLF87	ASLF88	ASLF89	ASLF90	ASLF91	ASLF92		
Sampling Date		2025/06/26 10:30	2025/06/26 11:00	2025/06/26 10:15	2025/06/26 10:00	2025/06/26 09:40	2025/06/26 10:45		
COC Number		N/A	N/A	N/A	N/A	N/A	N/A		
	UNITS	**MW 1**	**MW 2**	**MW 3**	**MW 4**	**MW 6**	**MW 7**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons									
Benzene	ug/L	ND	0.40	0.28	ND	ND	ND	0.20	9961684
Toluene	ug/L	ND	0.33	0.46	ND	26	ND	0.20	9961684
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	0.20	9961684
o-Xylene	ug/L	ND	ND	ND	ND	ND	ND	0.20	9961684
p+m-Xylene	ug/L	ND	ND	ND	ND	ND	ND	0.40	9961684
Total Xylenes	ug/L	ND	ND	ND	ND	ND	ND	0.40	9961684
F1 (C6-C10)	ug/L	ND	ND	ND	ND	34	ND	25	9961684
F1 (C6-C10) - BTEX	ug/L	ND	ND	ND	ND	ND	ND	25	9961684
F2-F4 Hydrocarbons									
F2 (C10-C16 Hydrocarbons)	ug/L	ND	ND	ND	ND	ND	ND	90	9960197
F3 (C16-C34 Hydrocarbons)	ug/L	ND	ND	ND	ND	ND	ND	200	9960197
F4 (C34-C50 Hydrocarbons)	ug/L	ND	ND	ND	ND	ND	ND	200	9960197
Reached Baseline at C50	ug/L	Yes	Yes	Yes	Yes	Yes	Yes		9960197
Surrogate Recovery (%)									
1,4-Difluorobenzene	%	99	99	100	99	97	99		9961684
4-Bromofluorobenzene	%	96	90	95	87	92	92		9961684
D10-o-Xylene	%	97	97	91	93	93	92		9961684
D4-1,2-Dichloroethane	%	104	102	104	105	106	106		9961684
o-Terphenyl	%	98	98	98	98	97	100		9960197

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

TEST SUMMARY

Bureau Veritas ID: ASLF87
Sample ID: MW 1
Matrix: Water

Collected: 2025/06/26
Shipped:
Received: 2025/06/27

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959971	N/A	2025/07/02	Automated Statchk
Chromium (VI) in Water	IC	9960659	N/A	2025/06/30	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	9961684	N/A	2025/07/03	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9960197	2025/06/29	2025/06/30	Jeevaraj Jeevaratrnam
Mercury	CV/AA	9960669	2025/06/30	2025/06/30	Maitri PATIL
Dissolved Metals by ICPMS	ICP/MS	9960077	N/A	2025/06/30	Prempal Bhatti
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9960196	2025/06/29	2025/06/30	Biljana Lazovic

Bureau Veritas ID: ASLF87 Dup
Sample ID: MW 1
Matrix: Water

Collected: 2025/06/26
Shipped:
Received: 2025/06/27

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chromium (VI) in Water	IC	9960659	N/A	2025/06/30	Rupinder Sihota

Bureau Veritas ID: ASLF88
Sample ID: MW 2
Matrix: Water

Collected: 2025/06/26
Shipped:
Received: 2025/06/27

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959971	N/A	2025/07/02	Automated Statchk
Chromium (VI) in Water	IC	9960659	N/A	2025/06/30	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	9961684	N/A	2025/07/03	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9960197	2025/06/29	2025/06/30	Jeevaraj Jeevaratrnam
Mercury	CV/AA	9960669	2025/06/30	2025/06/30	Maitri PATIL
Dissolved Metals by ICPMS	ICP/MS	9960077	N/A	2025/06/30	Prempal Bhatti
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9960196	2025/06/29	2025/06/30	Biljana Lazovic

Bureau Veritas ID: ASLF89
Sample ID: MW 3
Matrix: Water

Collected: 2025/06/26
Shipped:
Received: 2025/06/27

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959971	N/A	2025/07/02	Automated Statchk
Chromium (VI) in Water	IC	9960659	N/A	2025/06/30	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	9961684	N/A	2025/07/02	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9960197	2025/06/29	2025/06/30	Jeevaraj Jeevaratrnam
Mercury	CV/AA	9960669	2025/06/30	2025/06/30	Maitri PATIL
Dissolved Metals by ICPMS	ICP/MS	9960077	N/A	2025/06/30	Prempal Bhatti
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9960196	2025/06/29	2025/06/30	Biljana Lazovic

TEST SUMMARY

Bureau Veritas ID: ASLF90
Sample ID: MW 4
Matrix: Water

Collected: 2025/06/26
Shipped:
Received: 2025/06/27

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959971	N/A	2025/07/02	Automated Statchk
Chromium (VI) in Water	IC	9960659	N/A	2025/06/30	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	9961684	N/A	2025/07/02	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9960197	2025/06/29	2025/06/30	Jeevaraj Jeevaratrnam
Mercury	CV/AA	9960669	2025/06/30	2025/06/30	Maitri PATIL
Dissolved Metals by ICPMS	ICP/MS	9960077	N/A	2025/06/30	Prempal Bhatti
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9960196	2025/06/29	2025/06/30	Biljana Lazovic

Bureau Veritas ID: ASLF91
Sample ID: MW 6
Matrix: Water

Collected: 2025/06/26
Shipped:
Received: 2025/06/27

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959971	N/A	2025/07/02	Automated Statchk
Chromium (VI) in Water	IC	9960659	N/A	2025/06/30	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	9961684	N/A	2025/07/02	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9960197	2025/06/29	2025/06/30	Jeevaraj Jeevaratrnam
Mercury	CV/AA	9960669	2025/06/30	2025/06/30	Maitri PATIL
Dissolved Metals by ICPMS	ICP/MS	9960077	N/A	2025/06/30	Prempal Bhatti
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9960196	2025/06/29	2025/06/30	Biljana Lazovic

Bureau Veritas ID: ASLF92
Sample ID: MW 7
Matrix: Water

Collected: 2025/06/26
Shipped:
Received: 2025/06/27

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9959971	N/A	2025/07/02	Automated Statchk
Chromium (VI) in Water	IC	9960659	N/A	2025/06/30	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	9961684	N/A	2025/07/02	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9960197	2025/06/29	2025/06/30	Jeevaraj Jeevaratrnam
Mercury	CV/AA	9960669	2025/06/30	2025/06/30	Maitri PATIL
Dissolved Metals by ICPMS	ICP/MS	9960077	N/A	2025/06/30	Prempal Bhatti
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9960196	2025/06/29	2025/06/30	Biljana Lazovic

Bureau Veritas 100 ~ 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	8.7°C

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9960077	PBA	Matrix Spike	Dissolved Antimony (Sb)	2025/06/30		104	%	80 - 120
			Dissolved Arsenic (As)	2025/06/30		102	%	80 - 120
			Dissolved Barium (Ba)	2025/06/30		103	%	80 - 120
			Dissolved Beryllium (Be)	2025/06/30		103	%	80 - 120
			Dissolved Boron (B)	2025/06/30		102	%	80 - 120
			Dissolved Cadmium (Cd)	2025/06/30		102	%	80 - 120
			Dissolved Chromium (Cr)	2025/06/30		104	%	80 - 120
			Dissolved Cobalt (Co)	2025/06/30		100	%	80 - 120
			Dissolved Copper (Cu)	2025/06/30		104	%	80 - 120
			Dissolved Lead (Pb)	2025/06/30		97	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/06/30		103	%	80 - 120
			Dissolved Nickel (Ni)	2025/06/30		99	%	80 - 120
			Dissolved Selenium (Se)	2025/06/30		102	%	80 - 120
			Dissolved Silver (Ag)	2025/06/30		99	%	80 - 120
			Dissolved Sodium (Na)	2025/06/30		NC	%	80 - 120
			Dissolved Thallium (Tl)	2025/06/30		99	%	80 - 120
			Dissolved Uranium (U)	2025/06/30		98	%	80 - 120
			Dissolved Vanadium (V)	2025/06/30		104	%	80 - 120
			Dissolved Zinc (Zn)	2025/06/30		99	%	80 - 120
9960077	PBA	Spiked Blank	Dissolved Antimony (Sb)	2025/06/30		102	%	80 - 120
			Dissolved Arsenic (As)	2025/06/30		101	%	80 - 120
			Dissolved Barium (Ba)	2025/06/30		101	%	80 - 120
			Dissolved Beryllium (Be)	2025/06/30		101	%	80 - 120
			Dissolved Boron (B)	2025/06/30		99	%	80 - 120
			Dissolved Cadmium (Cd)	2025/06/30		100	%	80 - 120
			Dissolved Chromium (Cr)	2025/06/30		101	%	80 - 120
			Dissolved Cobalt (Co)	2025/06/30		99	%	80 - 120
			Dissolved Copper (Cu)	2025/06/30		102	%	80 - 120
			Dissolved Lead (Pb)	2025/06/30		98	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/06/30		101	%	80 - 120
			Dissolved Nickel (Ni)	2025/06/30		99	%	80 - 120
			Dissolved Selenium (Se)	2025/06/30		100	%	80 - 120
			Dissolved Silver (Ag)	2025/06/30		97	%	80 - 120
			Dissolved Sodium (Na)	2025/06/30		97	%	80 - 120
			Dissolved Thallium (Tl)	2025/06/30		99	%	80 - 120
			Dissolved Uranium (U)	2025/06/30		97	%	80 - 120
			Dissolved Vanadium (V)	2025/06/30		101	%	80 - 120
			Dissolved Zinc (Zn)	2025/06/30		98	%	80 - 120
9960077	PBA	Method Blank	Dissolved Antimony (Sb)	2025/06/30	ND, RDL=0.50		ug/L	
			Dissolved Arsenic (As)	2025/06/30	ND, RDL=1.0		ug/L	
			Dissolved Barium (Ba)	2025/06/30	ND, RDL=2.0		ug/L	
			Dissolved Beryllium (Be)	2025/06/30	ND, RDL=0.40		ug/L	
			Dissolved Boron (B)	2025/06/30	ND, RDL=10		ug/L	
			Dissolved Cadmium (Cd)	2025/06/30	ND, RDL=0.090		ug/L	
			Dissolved Chromium (Cr)	2025/06/30	ND, RDL=5.0		ug/L	
			Dissolved Cobalt (Co)	2025/06/30	ND, RDL=0.50		ug/L	

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Dissolved Copper (Cu)	2025/06/30	ND, RDL=0.90		ug/L	
			Dissolved Lead (Pb)	2025/06/30	ND, RDL=0.50		ug/L	
			Dissolved Molybdenum (Mo)	2025/06/30	ND, RDL=0.50		ug/L	
			Dissolved Nickel (Ni)	2025/06/30	ND, RDL=1.0		ug/L	
			Dissolved Selenium (Se)	2025/06/30	ND, RDL=2.0		ug/L	
			Dissolved Silver (Ag)	2025/06/30	ND, RDL=0.090		ug/L	
			Dissolved Sodium (Na)	2025/06/30	ND, RDL=100		ug/L	
			Dissolved Thallium (Tl)	2025/06/30	ND, RDL=0.050		ug/L	
			Dissolved Uranium (U)	2025/06/30	ND, RDL=0.10		ug/L	
			Dissolved Vanadium (V)	2025/06/30	ND, RDL=0.50		ug/L	
			Dissolved Zinc (Zn)	2025/06/30	ND, RDL=5.0		ug/L	
9960077	PBA	RPD	Dissolved Antimony (Sb)	2025/06/30	NC		%	20
			Dissolved Arsenic (As)	2025/06/30	1.4		%	20
			Dissolved Barium (Ba)	2025/06/30	1.7		%	20
			Dissolved Beryllium (Be)	2025/06/30	NC		%	20
			Dissolved Boron (B)	2025/06/30	1.9		%	20
			Dissolved Cadmium (Cd)	2025/06/30	NC		%	20
			Dissolved Chromium (Cr)	2025/06/30	NC		%	20
			Dissolved Cobalt (Co)	2025/06/30	NC		%	20
			Dissolved Copper (Cu)	2025/06/30	NC		%	20
			Dissolved Lead (Pb)	2025/06/30	NC		%	20
			Dissolved Molybdenum (Mo)	2025/06/30	0.94		%	20
			Dissolved Nickel (Ni)	2025/06/30	NC		%	20
			Dissolved Selenium (Se)	2025/06/30	NC		%	20
			Dissolved Silver (Ag)	2025/06/30	NC		%	20
			Dissolved Sodium (Na)	2025/06/30	0.31		%	20
			Dissolved Thallium (Tl)	2025/06/30	NC		%	20
			Dissolved Uranium (U)	2025/06/30	8.0		%	20
			Dissolved Vanadium (V)	2025/06/30	3.1		%	20
			Dissolved Zinc (Zn)	2025/06/30	NC		%	20
9960196	BLZ	Matrix Spike	D10-Anthracene	2025/06/30		98	%	50 - 130
			D14-Terphenyl (FS)	2025/06/30		94	%	50 - 130
			D8-Acenaphthylene	2025/06/30		89	%	50 - 130
			Acenaphthene	2025/06/30		100	%	50 - 130
			Acenaphthylene	2025/06/30		100	%	50 - 130
			Anthracene	2025/06/30		102	%	50 - 130
			Benzo(a)anthracene	2025/06/30		100	%	50 - 130
			Benzo(a)pyrene	2025/06/30		97	%	50 - 130
			Benzo(b/j)fluoranthene	2025/06/30		97	%	50 - 130
			Benzo(g,h,i)perylene	2025/06/30		98	%	50 - 130
			Benzo(k)fluoranthene	2025/06/30		94	%	50 - 130
			Chrysene	2025/06/30		97	%	50 - 130
			Dibenzo(a,h)anthracene	2025/06/30		101	%	50 - 130

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Fluoranthene	2025/06/30		101	%	50 - 130
			Fluorene	2025/06/30		100	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2025/06/30		100	%	50 - 130
			1-Methylnaphthalene	2025/06/30		103	%	50 - 130
			2-Methylnaphthalene	2025/06/30		106	%	50 - 130
			Naphthalene	2025/06/30		124	%	50 - 130
			Phenanthrene	2025/06/30		98	%	50 - 130
			Pyrene	2025/06/30		100	%	50 - 130
9960196	BLZ	Spiked Blank	D10-Anthracene	2025/06/30		99	%	50 - 130
			D14-Terphenyl (FS)	2025/06/30		100	%	50 - 130
			D8-Acenaphthylene	2025/06/30		91	%	50 - 130
			Acenaphthene	2025/06/30		98	%	50 - 130
			Acenaphthylene	2025/06/30		99	%	50 - 130
			Anthracene	2025/06/30		100	%	50 - 130
			Benzo(a)anthracene	2025/06/30		98	%	50 - 130
			Benzo(a)pyrene	2025/06/30		96	%	50 - 130
			Benzo(b/j)fluoranthene	2025/06/30		96	%	50 - 130
			Benzo(g,h,i)perylene	2025/06/30		91	%	50 - 130
			Benzo(k)fluoranthene	2025/06/30		96	%	50 - 130
			Chrysene	2025/06/30		96	%	50 - 130
			Dibenzo(a,h)anthracene	2025/06/30		96	%	50 - 130
			Fluoranthene	2025/06/30		101	%	50 - 130
			Fluorene	2025/06/30		98	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2025/06/30		94	%	50 - 130
			1-Methylnaphthalene	2025/06/30		102	%	50 - 130
			2-Methylnaphthalene	2025/06/30		103	%	50 - 130
			Naphthalene	2025/06/30		120	%	50 - 130
			Phenanthrene	2025/06/30		96	%	50 - 130
			Pyrene	2025/06/30		100	%	50 - 130
9960196	BLZ	Method Blank	D10-Anthracene	2025/06/30		101	%	50 - 130
			D14-Terphenyl (FS)	2025/06/30		98	%	50 - 130
			D8-Acenaphthylene	2025/06/30		92	%	50 - 130
			Acenaphthene	2025/06/30	ND, RDL=0.050		ug/L	
			Acenaphthylene	2025/06/30	ND, RDL=0.050		ug/L	
			Anthracene	2025/06/30	ND, RDL=0.050		ug/L	
			Benzo(a)anthracene	2025/06/30	ND, RDL=0.050		ug/L	
			Benzo(a)pyrene	2025/06/30	ND, RDL=0.0090		ug/L	
			Benzo(b/j)fluoranthene	2025/06/30	ND, RDL=0.050		ug/L	
			Benzo(g,h,i)perylene	2025/06/30	ND, RDL=0.050		ug/L	
			Benzo(k)fluoranthene	2025/06/30	ND, RDL=0.050		ug/L	
			Chrysene	2025/06/30	ND, RDL=0.050		ug/L	
			Dibenzo(a,h)anthracene	2025/06/30	ND, RDL=0.050		ug/L	
			Fluoranthene	2025/06/30	ND, RDL=0.050		ug/L	

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Fluorene	2025/06/30	ND, RDL=0.050		ug/L	
			Indeno(1,2,3-cd)pyrene	2025/06/30	ND, RDL=0.050		ug/L	
			1-Methylnaphthalene	2025/06/30	ND, RDL=0.050		ug/L	
			2-Methylnaphthalene	2025/06/30	ND, RDL=0.050		ug/L	
			Naphthalene	2025/06/30	ND, RDL=0.050		ug/L	
			Phenanthrene	2025/06/30	ND, RDL=0.030		ug/L	
			Pyrene	2025/06/30	ND, RDL=0.050		ug/L	
9960196	BLZ	RPD	Acenaphthene	2025/06/30	NC		%	30
			Acenaphthylene	2025/06/30	NC		%	30
			Anthracene	2025/06/30	NC		%	30
			Benzo(a)anthracene	2025/06/30	NC		%	30
			Benzo(a)pyrene	2025/06/30	NC		%	30
			Benzo(b/j)fluoranthene	2025/06/30	NC		%	30
			Benzo(g,h,i)perylene	2025/06/30	NC		%	30
			Benzo(k)fluoranthene	2025/06/30	NC		%	30
			Chrysene	2025/06/30	NC		%	30
			Dibenzo(a,h)anthracene	2025/06/30	NC		%	30
			Fluoranthene	2025/06/30	NC		%	30
			Fluorene	2025/06/30	NC		%	30
			Indeno(1,2,3-cd)pyrene	2025/06/30	NC		%	30
			1-Methylnaphthalene	2025/06/30	NC		%	30
			2-Methylnaphthalene	2025/06/30	NC		%	30
			Naphthalene	2025/06/30	NC		%	30
			Phenanthrene	2025/06/30	NC		%	30
			Pyrene	2025/06/30	NC		%	30
9960197	JJE	Matrix Spike	o-Terphenyl	2025/06/30		100	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2025/06/30		94	%	60 - 140
			F3 (C16-C34 Hydrocarbons)	2025/06/30		97	%	60 - 140
			F4 (C34-C50 Hydrocarbons)	2025/06/30		83	%	60 - 140
9960197	JJE	Spiked Blank	o-Terphenyl	2025/06/30		98	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2025/06/30		94	%	60 - 140
			F3 (C16-C34 Hydrocarbons)	2025/06/30		99	%	60 - 140
			F4 (C34-C50 Hydrocarbons)	2025/06/30		87	%	60 - 140
9960197	JJE	Method Blank	o-Terphenyl	2025/06/30		96	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2025/06/30	ND, RDL=90		ug/L	
			F3 (C16-C34 Hydrocarbons)	2025/06/30	ND, RDL=200		ug/L	
			F4 (C34-C50 Hydrocarbons)	2025/06/30	ND, RDL=200		ug/L	
9960197	JJE	RPD	F2 (C10-C16 Hydrocarbons)	2025/06/30	NC		%	30
			F3 (C16-C34 Hydrocarbons)	2025/06/30	NC		%	30
			F4 (C34-C50 Hydrocarbons)	2025/06/30	NC		%	30
9960659	RSU	Matrix Spike [ASLF87-01]	Chromium (VI)	2025/06/30		101	%	80 - 120
9960659	RSU	Spiked Blank	Chromium (VI)	2025/06/30		103	%	80 - 120
9960659	RSU	Method Blank	Chromium (VI)	2025/06/30	ND, RDL=0.50		ug/L	

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9960659	RSU	RPD [ASLF87-01]	Chromium (VI)	2025/06/30	NC		%	20
9960669	MPJ	Matrix Spike	Mercury (Hg)	2025/06/30		89	%	75 - 125
9960669	MPJ	Spiked Blank	Mercury (Hg)	2025/06/30		91	%	80 - 120
9960669	MPJ	Method Blank	Mercury (Hg)	2025/06/30	ND, RDL=0.10		ug/L	
9960669	MPJ	RPD	Mercury (Hg)	2025/06/30	NC		%	20
9961684	RGA	Matrix Spike	1,4-Difluorobenzene	2025/07/02		97	%	70 - 130
			4-Bromofluorobenzene	2025/07/02		103	%	70 - 130
			D10-o-Xylene	2025/07/02		88	%	70 - 130
			D4-1,2-Dichloroethane	2025/07/02		99	%	70 - 130
			Benzene	2025/07/02		87	%	50 - 140
			Toluene	2025/07/02		86	%	50 - 140
			Ethylbenzene	2025/07/02		94	%	50 - 140
			o-Xylene	2025/07/02		92	%	50 - 140
			p+m-Xylene	2025/07/02		93	%	50 - 140
			F1 (C6-C10)	2025/07/02		100	%	60 - 140
9961684	RGA	Spiked Blank	1,4-Difluorobenzene	2025/07/02		96	%	70 - 130
			4-Bromofluorobenzene	2025/07/02		103	%	70 - 130
			D10-o-Xylene	2025/07/02		87	%	70 - 130
			D4-1,2-Dichloroethane	2025/07/02		98	%	70 - 130
			Benzene	2025/07/02		88	%	50 - 140
			Toluene	2025/07/02		88	%	50 - 140
			Ethylbenzene	2025/07/02		96	%	50 - 140
			o-Xylene	2025/07/02		94	%	50 - 140
			p+m-Xylene	2025/07/02		96	%	50 - 140
			F1 (C6-C10)	2025/07/02		100	%	60 - 140
9961684	RGA	Method Blank	1,4-Difluorobenzene	2025/07/02		100	%	70 - 130
			4-Bromofluorobenzene	2025/07/02		98	%	70 - 130
			D10-o-Xylene	2025/07/02		92	%	70 - 130
			D4-1,2-Dichloroethane	2025/07/02		102	%	70 - 130
			Benzene	2025/07/02	ND, RDL=0.20		ug/L	
			Toluene	2025/07/02	ND, RDL=0.20		ug/L	
			Ethylbenzene	2025/07/02	ND, RDL=0.20		ug/L	
			o-Xylene	2025/07/02	ND, RDL=0.20		ug/L	
			p+m-Xylene	2025/07/02	ND, RDL=0.40		ug/L	
			Total Xylenes	2025/07/02	ND, RDL=0.40		ug/L	
			F1 (C6-C10)	2025/07/02	ND, RDL=25		ug/L	
			F1 (C6-C10) - BTEX	2025/07/02	ND, RDL=25		ug/L	
9961684	RGA	RPD	Benzene	2025/07/02	NC		%	30
			Toluene	2025/07/02	NC		%	30
			Ethylbenzene	2025/07/02	NC		%	30
			o-Xylene	2025/07/02	NC		%	30
			p+m-Xylene	2025/07/02	NC		%	30
			Total Xylenes	2025/07/02	NC		%	30
			F1 (C6-C10)	2025/07/02	NC		%	30

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			F1 (C6-C10) - BTEX	2025/07/02	NC		%	30

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

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