

Certificate of Analysis

Nunatta Environmental Services Inc.

P.O. Box 267
Iqaluit, NU X0A 0H0
Attn: Jim Wilson

Client PO: 21-47 Rankin Landfarm
Project: Rankin Landfarm
Custody:

Report Date: 5-Oct-2021
Order Date: 29-Sep-2021

Order #: 2140411

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2140411-01	Berm Water Landfarm
2140411-02	Berm Water Landfarm

Approved By:



Mark Foto, M.Sc.
Lab Supervisor

Certificate of Analysis

Report Date: 05-Oct-2021

Client: Nunatta Environmental Services Inc.

Order Date: 29-Sep-2021

Client PO: 21-47 Rankin Landfarm

Project Description: Rankin Landfarm

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Alkalinity, total to pH 4.5	EPA 310.1 - Titration to pH 4.5	30-Sep-21	30-Sep-21
Ammonia, as N	EPA 351.2 - Auto Colour	30-Sep-21	1-Oct-21
Anions	EPA 300.1 - IC	30-Sep-21	30-Sep-21
BTEX by P&T GC-MS	EPA 624 - P&T GC-MS	30-Sep-21	1-Oct-21
Conductivity	EPA 9050A- probe @25 °C	30-Sep-21	30-Sep-21
Metals, ICP-MS	EPA 200.8 - ICP-MS	30-Sep-21	30-Sep-21
Oil & Grease, mineral/synthetic	SM5520F - Gravimetric	29-Sep-21	4-Oct-21
Oil & Grease, total	SM5520B - Gravimetric, hexane soluble	29-Sep-21	4-Oct-21
PAHs by GC-MS	EPA 625 - GC-MS, extraction	4-Oct-21	5-Oct-21
pH	EPA 150.1 - pH probe @25 °C	30-Sep-21	30-Sep-21
PHC F1	CWS Tier 1 - P&T GC-FID	30-Sep-21	1-Oct-21
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	4-Oct-21	5-Oct-21
Phenolics	EPA 420.2 - Auto Colour, 4AAP	1-Oct-21	4-Oct-21
Total Suspended Solids	SM 2540D - Gravimetric	30-Sep-21	30-Sep-21

Certificate of Analysis

Report Date: 05-Oct-2021

Client: Nunatta Environmental Services Inc.

Order Date: 29-Sep-2021

Client PO: 21-47 Rankin Landfarm

Project Description: Rankin Landfarm

Client ID:	Berm Water Landfarm	Berm Water Landfarm	-	-
Sample Date:	26-Sep-21 13:00	24-Sep-21 15:30	-	-
Sample ID:	2140411-01	2140411-02	-	-
MDL/Units	Water	Water	-	-

General Inorganics

Alkalinity, total	5 mg/L	-	115	-	-
Ammonia as N	0.01 mg/L	-	0.06	-	-
Conductivity	5 uS/cm	-	376	-	-
pH	0.1 pH Units	-	8.0	-	-
Phenolics	0.001 mg/L	-	<0.001	-	-
Total Suspended Solids	2 mg/L	-	16	-	-

Anions

Chloride	1 mg/L	-	33	-	-
Nitrate as N	0.1 mg/L	-	0.4	-	-
Nitrite as N	0.05 mg/L	-	<0.05	-	-
Sulphate	1 mg/L	-	15	-	-

Metals

Aluminum	1 ug/L	-	377	-	-
Antimony	0.5 ug/L	-	<0.5	-	-
Arsenic	1 ug/L	-	4	-	-
Barium	1 ug/L	-	50	-	-
Beryllium	0.5 ug/L	-	<0.5	-	-
Boron	10 ug/L	-	16	-	-
Cadmium	0.1 ug/L	-	<0.1	-	-
Calcium	100 ug/L	-	40900	-	-
Chromium	1 ug/L	-	3	-	-
Cobalt	0.5 ug/L	-	1.2	-	-
Copper	0.5 ug/L	-	12.6	-	-
Iron	100 ug/L	-	838	-	-
Lead	0.1 ug/L	-	0.8	-	-
Magnesium	200 ug/L	-	7000	-	-
Manganese	5 ug/L	-	22	-	-
Molybdenum	0.5 ug/L	-	2.2	-	-
Nickel	1 ug/L	-	9	-	-
Potassium	100 ug/L	-	10200	-	-
Selenium	1 ug/L	-	<1	-	-
Silver	0.1 ug/L	-	0.1	-	-
Sodium	200 ug/L	-	16300	-	-
Strontium	10 ug/L	-	343	-	-

Certificate of Analysis

Report Date: 05-Oct-2021

Client: Nunatta Environmental Services Inc.

Order Date: 29-Sep-2021

Client PO: 21-47 Rankin Landfarm

Project Description: Rankin Landfarm

	MDL/Units	Client ID:	Berm Water Landfarm	Berm Water Landfarm		
		Sample Date:	26-Sep-21 13:00	24-Sep-21 15:30		
		Sample ID:	2140411-01	2140411-02		
			Water	Water		
Thallium	0.1 ug/L		-	<0.1	-	-
Tin	5 ug/L		-	<5	-	-
Titanium	5 ug/L		-	19	-	-
Tungsten	10 ug/L		-	<10	-	-
Uranium	0.1 ug/L		-	1.2	-	-
Vanadium	0.5 ug/L		-	2.1	-	-
Zinc	5 ug/L		-	18	-	-

Volatiles

Benzene	0.0005 mg/L	-	<0.0005	-	-
Ethylbenzene	0.0005 mg/L	-	<0.0005	-	-
Toluene	0.0005 mg/L	-	<0.0005	-	-
m,p-Xylenes	0.0005 mg/L	-	<0.0005	-	-
o-Xylene	0.0005 mg/L	-	<0.0005	-	-
Xylenes, total	0.0005 mg/L	-	<0.0005	-	-
Toluene-d8	Surrogate	-	87.7%	-	-

Hydrocarbons

Oil & Grease, animal/vegetable	0.500 mg/L	<0.500	-	-	-
Oil & Grease, mineral/synthetic	0.5 mg/L	<0.5	-	-	-
Oil & Grease, total	0.5 mg/L	<0.5	-	-	-
F1 PHCs (C6-C10)	0.025 mg/L	-	<0.025	-	-
F2 PHCs (C10-C16)	0.1 mg/L	<0.1	-	-	-
F3 PHCs (C16-C34)	0.1 mg/L	<0.1	-	-	-
F4 PHCs (C34-C50)	0.1 mg/L	<0.1	-	-	-

Semi-Volatiles

Acenaphthene	0.05 ug/L	<0.05	-	-	-
Acenaphthylene	0.05 ug/L	<0.05	-	-	-
Acridine	0.10 ug/L	<0.10	-	-	-
Anthracene	0.01 ug/L	<0.01	-	-	-
Benzo [a] anthracene	0.01 ug/L	<0.01	-	-	-
Benzo [a] pyrene	0.01 ug/L	<0.01	-	-	-
Benzo [b] fluoranthene	0.05 ug/L	<0.05	-	-	-
Benzo [g,h,i] perylene	0.05 ug/L	<0.05	-	-	-
Benzo [k] fluoranthene	0.05 ug/L	<0.05	-	-	-
Biphenyl	0.05 ug/L	<0.05	-	-	-
Chrysene	0.05 ug/L	<0.05	-	-	-

Certificate of Analysis

Report Date: 05-Oct-2021

Client: Nunatta Environmental Services Inc.

Order Date: 29-Sep-2021

Client PO: 21-47 Rankin Landfarm

Project Description: Rankin Landfarm

		Client ID:	Berm Water Landfarm	Berm Water Landfarm	-	-
		Sample Date:	26-Sep-21 13:00	24-Sep-21 15:30	-	-
		Sample ID:	2140411-01	2140411-02	-	-
		MDL/Units	Water	Water	-	-
Dibenzo [a,h] anthracene	0.05 ug/L	<0.05	-	-	-	-
Fluoranthene	0.01 ug/L	<0.01	-	-	-	-
Fluorene	0.05 ug/L	<0.05	-	-	-	-
Indeno [1,2,3-cd] pyrene	0.05 ug/L	<0.05	-	-	-	-
1-Methylnaphthalene	0.05 ug/L	<0.05	-	-	-	-
2-Methylnaphthalene	0.05 ug/L	<0.05	-	-	-	-
Methylnaphthalene (1&2)	0.10 ug/L	<0.10	-	-	-	-
Naphthalene	0.05 ug/L	<0.05	-	-	-	-
Phenanthrene	0.05 ug/L	<0.05	-	-	-	-
Pyrene	0.01 ug/L	<0.01	-	-	-	-
Quinoline	0.10 ug/L	<0.10	-	-	-	-
2-Fluorobiphenyl	Surrogate	85.3%	-	-	-	-
Terphenyl-d14	Surrogate	97.7%	-	-	-	-

Certificate of Analysis

Report Date: 05-Oct-2021

Client: Nunatta Environmental Services Inc.

Order Date: 29-Sep-2021

Client PO: 21-47 Rankin Landfarm

Project Description: Rankin Landfarm

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Anions									
Chloride	ND	1	mg/L						
Nitrate as N	ND	0.1	mg/L						
Nitrite as N	ND	0.05	mg/L						
Sulphate	ND	1	mg/L						
General Inorganics									
Alkalinity, total	ND	5	mg/L						
Ammonia as N	ND	0.01	mg/L						
Conductivity	ND	5	uS/cm						
Phenolics	ND	0.001	mg/L						
Total Suspended Solids	ND	2	mg/L						
Hydrocarbons									
Oil & Grease, mineral/synthetic	ND	0.5	mg/L						
Oil & Grease, total	ND	0.5	mg/L						
F1 PHCs (C6-C10)	ND	0.025	mg/L						
Metals									
Aluminum	ND	1	ug/L						
Antimony	ND	0.5	ug/L						
Arsenic	ND	1	ug/L						
Barium	ND	1	ug/L						
Beryllium	ND	0.5	ug/L						
Boron	ND	10	ug/L						
Cadmium	ND	0.1	ug/L						
Calcium	ND	100	ug/L						
Chromium	ND	1	ug/L						
Cobalt	ND	0.5	ug/L						
Copper	ND	0.5	ug/L						
Iron	ND	100	ug/L						
Lead	ND	0.1	ug/L						
Magnesium	ND	200	ug/L						
Manganese	ND	5	ug/L						
Molybdenum	ND	0.5	ug/L						
Nickel	ND	1	ug/L						
Potassium	ND	100	ug/L						
Selenium	ND	1	ug/L						
Silver	ND	0.1	ug/L						
Sodium	ND	200	ug/L						
Strontium	ND	10	ug/L						
Thallium	ND	0.1	ug/L						
Tin	ND	5	ug/L						
Titanium	ND	5	ug/L						
Tungsten	ND	10	ug/L						
Uranium	ND	0.1	ug/L						
Vanadium	ND	0.5	ug/L						
Zinc	ND	5	ug/L						
Semi-Volatiles									
Acenaphthene	ND	0.05	ug/L						
Acenaphthylene	ND	0.05	ug/L						
Acridine	ND	0.10	ug/L						
Anthracene	ND	0.01	ug/L						
Benzo [a] anthracene	ND	0.01	ug/L						
Benzo [a] pyrene	ND	0.01	ug/L						
Benzo [b] fluoranthene	ND	0.05	ug/L						
Benzo [g,h,i] perylene	ND	0.05	ug/L						
Benzo [k] fluoranthene	ND	0.05	ug/L						
Biphenyl	ND	0.05	ug/L						
Chrysene	ND	0.05	ug/L						
Dibenzo [a,h] anthracene	ND	0.05	ug/L						

Certificate of Analysis

Report Date: 05-Oct-2021

Client: Nunatta Environmental Services Inc.

Order Date: 29-Sep-2021

Client PO: 21-47 Rankin Landfarm

Project Description: Rankin Landfarm

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Fluoranthene	ND	0.01	ug/L						
Fluorene	ND	0.05	ug/L						
Indeno [1,2,3-cd] pyrene	ND	0.05	ug/L						
1-Methylnaphthalene	ND	0.05	ug/L						
2-Methylnaphthalene	ND	0.05	ug/L						
Methylnaphthalene (1&2)	ND	0.10	ug/L						
Naphthalene	ND	0.05	ug/L						
Phenanthrene	ND	0.05	ug/L						
Pyrene	ND	0.01	ug/L						
Quinoline	ND	0.10	ug/L						
Surrogate: 2-Fluorobiphenyl	17.1		ug/L		85.6	50-140			
Surrogate: Terphenyl-d14	23.7		ug/L		118	50-140			
Volatiles									
Benzene	ND	0.0005	mg/L						
Ethylbenzene	ND	0.0005	mg/L						
Toluene	ND	0.0005	mg/L						
m,p-Xylenes	ND	0.0005	mg/L						
o-Xylene	ND	0.0005	mg/L						
Xylenes, total	ND	0.0005	mg/L						
Surrogate: Toluene-d8	0.0731		mg/L		91.3	50-140			

Certificate of Analysis

Report Date: 05-Oct-2021

Client: Nunatta Environmental Services Inc.

Order Date: 29-Sep-2021

Client PO: 21-47 Rankin Landfarm

Project Description: Rankin Landfarm

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Anions									
Chloride	ND	1	mg/L	ND			NC	10	
Nitrate as N	ND	0.1	mg/L	ND			NC	10	
Nitrite as N	ND	0.05	mg/L	ND			NC	10	
Sulphate	ND	1	mg/L	1.70			NC	10	
General Inorganics									
Alkalinity, total	895	5	mg/L	907			1.4	14	
Ammonia as N	0.058	0.01	mg/L	0.059			2.1	18	
Conductivity	3120	5	uS/cm	3140			0.6	5	
pH	7.0	0.1	pH Units	7.1			0.6	3.3	
Phenolics	ND	0.001	mg/L	ND			NC	10	
Total Suspended Solids	5.0	2	mg/L	5.0			0.0	10	
Hydrocarbons									
F1 PHCs (C6-C10)	ND	0.025	mg/L	ND			NC	30	
Metals									
Aluminum	1090	1	ug/L	1220			11.4	20	
Antimony	1.22	0.5	ug/L	0.85			NC	20	
Arsenic	ND	1	ug/L	ND			NC	20	
Barium	32.0	1	ug/L	32.8			2.6	20	
Beryllium	ND	0.5	ug/L	ND			NC	20	
Boron	ND	10	ug/L	ND			NC	20	
Cadmium	ND	0.1	ug/L	ND			NC	20	
Calcium	24100	100	ug/L	24900			3.3	20	
Chromium	2.1	1	ug/L	2.3			9.7	20	
Cobalt	2.07	0.5	ug/L	2.21			6.2	20	
Copper	5.38	0.5	ug/L	5.73			6.2	20	
Iron	1650	100	ug/L	1780			7.7	20	
Lead	1.10	0.1	ug/L	1.18			7.2	20	
Magnesium	2530	200	ug/L	2660			5.2	20	
Manganese	46.2	5	ug/L	47.8			3.5	20	
Molybdenum	0.57	0.5	ug/L	0.57			0.6	20	
Nickel	2.7	1	ug/L	3.0			11.2	20	
Potassium	1220	100	ug/L	1260			2.8	20	
Selenium	ND	1	ug/L	ND			NC	20	
Silver	ND	0.1	ug/L	1.39			NC	20	
Sodium	11200	200	ug/L	11400			2.1	20	
Strontium	216	10	ug/L	226			4.5	20	
Thallium	ND	0.1	ug/L	ND			NC	20	
Tin	ND	5	ug/L	ND			NC	20	
Titanium	72.8	5	ug/L	78.5			7.6	20	
Tungsten	ND	10	ug/L	ND			NC	20	
Uranium	0.1	0.1	ug/L	0.1			7.1	20	
Vanadium	2.83	0.5	ug/L	3.06			7.9	20	
Zinc	9	5	ug/L	8			7.0	20	
Volatiles									
Benzene	ND	0.0005	mg/L	ND			NC	30	
Ethylbenzene	ND	0.0005	mg/L	ND			NC	30	
Toluene	ND	0.0005	mg/L	ND			NC	30	
m,p-Xylenes	ND	0.0005	mg/L	ND			NC	30	
o-Xylene	ND	0.0005	mg/L	ND			NC	30	
Surrogate: Toluene-d8	0.0697		mg/L		87.1	50-140			

Certificate of Analysis

Report Date: 05-Oct-2021

Client: Nunatta Environmental Services Inc.

Order Date: 29-Sep-2021

Client PO: 21-47 Rankin Landfarm

Project Description: Rankin Landfarm

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Anions									
Chloride	9.76	1	mg/L	ND	97.6	85-115			
Nitrate as N	1.02	0.1	mg/L	ND	102	79-120			
Nitrite as N	1.02	0.05	mg/L	ND	102	84-117			
Sulphate	10.4	1	mg/L	1.70	87.0	74-126			
General Inorganics									
Ammonia as N	0.297	0.01	mg/L	0.059	95.2	81-124			
Phenolics	0.024	0.001	mg/L	ND	95.0	69-132			
Total Suspended Solids	22.0	2	mg/L	ND	110	75-125			
Hydrocarbons									
Oil & Grease, mineral/synthetic	7.80	0.5	mg/L	ND	78.0	65-110			
Oil & Grease, total	19.8	0.5	mg/L	ND	98.8	85-110			
F1 PHCs (C6-C10)	1.81	0.025	mg/L	ND	90.4	68-117			
Metals									
Aluminum	67.9	1	ug/L	25.3	85.3	80-120			
Antimony	45.6	0.5	ug/L	0.85	89.4	80-120			
Arsenic	43.5	1	ug/L	ND	85.8	80-120			
Barium	80.5	1	ug/L	32.8	95.4	80-120			
Beryllium	39.8	0.5	ug/L	ND	79.5	80-120			QM-07
Boron	47	10	ug/L	ND	76.4	80-120			QM-07
Cadmium	40.9	0.1	ug/L	ND	81.8	80-120			
Calcium	32900	100	ug/L	24900	80.1	80-120			
Chromium	53.2	1	ug/L	2.3	102	80-120			
Cobalt	52.7	0.5	ug/L	2.21	101	80-120			
Copper	52.0	0.5	ug/L	5.73	92.5	80-120			
Iron	3950	100	ug/L	1780	86.7	80-120			
Lead	45.0	0.1	ug/L	1.18	87.6	80-120			
Magnesium	11500	200	ug/L	2660	88.7	80-120			
Manganese	96.0	5	ug/L	47.8	96.5	80-120			
Molybdenum	48.3	0.5	ug/L	0.57	95.5	80-120			
Nickel	51.0	1	ug/L	3.0	96.0	80-120			
Potassium	10500	100	ug/L	1260	92.2	80-120			
Selenium	46.4	1	ug/L	ND	92.5	80-120			
Silver	44.2	0.1	ug/L	1.39	85.5	80-120			
Sodium	19400	200	ug/L	11400	79.5	80-120			QM-07
Strontium	50	10	ug/L	ND	99.4	80-120			
Thallium	45.6	0.1	ug/L	ND	91.1	80-120			
Tin	50.9	5	ug/L	ND	94.3	80-120			
Titanium	130	5	ug/L	78.5	103	80-120			
Tungsten	47.7	10	ug/L	ND	94.7	80-120			
Uranium	47.8	0.1	ug/L	0.1	95.2	80-120			
Vanadium	54.7	0.5	ug/L	3.06	103	80-120			
Zinc	45	5	ug/L	8	73.3	80-120			QM-07
Semi-Volatiles									
Acenaphthene	4.60	0.05	ug/L	ND	92.1	50-140			
Acenaphthylene	3.25	0.05	ug/L	ND	65.1	50-140			
Acridine	2.75	0.10	ug/L	ND	55.0	50-140			
Anthracene	4.00	0.01	ug/L	ND	79.9	50-140			

Certificate of Analysis

Report Date: 05-Oct-2021

Client: Nunatta Environmental Services Inc.

Order Date: 29-Sep-2021

Client PO: 21-47 Rankin Landfarm

Project Description: Rankin Landfarm

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Benzo [a] anthracene	3.91	0.01	ug/L	ND	78.3	50-140			
Benzo [a] pyrene	3.84	0.01	ug/L	ND	76.7	50-140			
Benzo [b] fluoranthene	5.67	0.05	ug/L	ND	113	50-140			
Benzo [g,h,i] perylene	4.83	0.05	ug/L	ND	96.6	50-140			
Benzo [k] fluoranthene	5.43	0.05	ug/L	ND	109	50-140			
Biphenyl	3.11	0.05	ug/L	ND	62.2	50-140			
Chrysene	4.65	0.05	ug/L	ND	93.0	50-140			
Dibenzo [a,h] anthracene	5.22	0.05	ug/L	ND	104	50-140			
Fluoranthene	4.13	0.01	ug/L	ND	82.5	50-140			
Fluorene	3.93	0.05	ug/L	ND	78.7	50-140			
Indeno [1,2,3-cd] pyrene	5.05	0.05	ug/L	ND	101	50-140			
1-Methylnaphthalene	4.04	0.05	ug/L	ND	80.7	50-140			
2-Methylnaphthalene	4.41	0.05	ug/L	ND	88.2	50-140			
Naphthalene	4.53	0.05	ug/L	ND	90.6	50-140			
Phenanthrene	3.98	0.05	ug/L	ND	79.6	50-140			
Pyrene	4.22	0.01	ug/L	ND	84.4	50-140			
Quinoline	4.02	0.10	ug/L	ND	80.3	50-140			
Surrogate: 2-Fluorobiphenyl	16.5		ug/L		82.7	50-140			
Surrogate: Terphenyl-d14	22.2		ug/L		111	50-140			
Volatiles									
Benzene	0.0430	0.0005	mg/L	ND	108	60-130			
Ethylbenzene	0.0379	0.0005	mg/L	ND	94.8	60-130			
Toluene	0.0446	0.0005	mg/L	ND	111	60-130			
m,p-Xylenes	0.0646	0.0005	mg/L	ND	80.7	60-130			
o-Xylene	0.0415	0.0005	mg/L	ND	104	60-130			
Surrogate: Toluene-d8	0.0581		mg/L		72.7	50-140			

Certificate of Analysis

Client: Nunatta Environmental Services Inc.

Client PO: 21-47 Rankin Landfarm

Report Date: 05-Oct-2021

Order Date: 29-Sep-2021

Project Description: Rankin Landfarm

Qualifier Notes:

QC Qualifiers :

QM-07 : The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on other acceptable QC.

Sample Data Revisions

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.
- F1 range corrected for BTEX.
- F2 to F3 ranges corrected for appropriate PAHs where available.
- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.
- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.
- When reported, data for F4G has been processed using a silica gel cleanup.



2140411

Nº 60976

Client Name: Monetta Environment
Contact Name: Jim @ monetta.ca
Address: 1575 Federal rd
Telephone: 867-979-1488 or 222-4111

Project Ref: Rankin Landfarm
Quote #: 21-47 Rankin Landfarm
PO #: 21-47 Rankin Landfarm
E-mail: Jim @ monetta.ca, jen@monetta.ca

Page 1 of 1
Turnaround Time
☐ 1 day
☐ 2 day
☐ 3 day
☒ Regular
Date Required: _____

☐ REG 152/04 ☐ REG 406/19 Other Regulation
☐ Table 1 ☐ Res/Park ☐ Med/Fine ☐ REG 558 ☐ PWQO
☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ CCME ☐ MISA
☐ Table 3 ☐ Agri/Other ☐ SU - Sani ☐ SU - Storm
☐ Table _____ Mun: _____
For RSC: ☐ Yes ☐ No ☐ Other: _____

Matrix Type: S (Soil/Sed.) GW (Ground Water)
SW (Surface Water) SS (Storm/Sanitary Sewer)
P (Paint) A (Air) O (Other)

Required Analysis

Sample ID/Location Name		Matrix	Air Volume	# of Containers	Sample Taken													
					Date	Time	PH	PH	TSS	Lead	Metals	Hardness	Nitrate, Nitrite, Nitrogen	Conductivity	TPH	Dissolved Solids	PAH	TEH chloride
1	Berm water Landfarm	W	0	9	Sept 24	3:30pm	x	x	x	x	x	x	x	x	x	x	x	x
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Comments: Scott has complete list of Analysis required, ask him please

Method of Delivery: Canadian North

Relinquished By (Sign): James H Wilson
Relinquished By (Print): James H Wilson
Date/Time: Sept 26/21 1:30 pm

Received By Driver/Depot: _____
Date/Time: _____
Temperature: _____ °C

Received at Lab: DS
Date/Time: SEP 29 2021 16:36
Temperature: 8.3 °C

Verified By: DS
Date/Time: SEP 29, 2021 16:36
pH Verified: ☒ By: DS



RELIABLE.

Head Office
100-2319 St. Laurent Blvd.
Ottawa, Ontario K1G 4J8
1-800-749-1947
paracel@paracellabs.com

Chain of Custody
(Lab Use Only)

Page 1 of 2

Client Name: Nunatta Environmental Services Inc	Project Reference: Rankin Landfarm	Turnaround Time: ☐ 1 Day ☐ 3 Day ☐ 2 Day ☒ Regular Date Required: _____
Contact Name: James Wilson	Quote #	
Address: 1575 Federal Rd	PO # 21-47 Rankin Landfarm	
Telephone: 867 222 4111 or 979-1488	Email Address: jim@nunatta.ca Jen @ nunatta.ca	

Criteria: ☐ O. Reg. 153/04 (As Amended) Table ☐ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: _____ ☐ Other: _____

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analyses

Parcel Order Number: 2140411						Matrix	Air Volume	# of Containers	Sample Taken		PHCS FI-F4+BTX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	PH	TSS	LEA	Hardness	Nitrate Nitrite	TPH	Oil Grease
Sample ID/Location Name					Date				Time															
1	Berm Water Landfarm					W	0	3	Sept 26	1:00pm	☒	☐	☐	☐	☐	☐	☐	☐	☒	☒	☒	☒	☒	☒
2											☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
3											☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
4											☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
5											☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
6											☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
7											☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
8											☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
9											☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
10											☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Tech
Chloride

Comments: Scott has complete list of Analysis required, please ask him.		Method of Delivery: Canadian North	
Relinquished By (Sign):	Received by Driver/Depot:	Received at Lab:	Verified By:
Relinquished By (Print): James H Wilson	Date/Time: _____	Date/Time: Sept 29, 2021 02:15	Date/Time: Sept 29, 21 16:36
Date/Time: Sept-27 2021 9:00 am	Temperature: _____ °C	Temperature: 6.3 °C	pH Verified [] By: _____