

## ***Certificate of Analysis***

### **Nunatta Environmental Services Inc.**

P.O. Box 267  
Iqaluit, NU X0A0H0  
Attn: Jim Wilson

Phone: (867) 979-1488  
Fax: (867) 979-1478

Client PO:  
Project: Landfarm  
Custody: 61084

Report Date: 24-Sep-2010  
Order Date: 22-Sep-2010

**Order #: 1039165**

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

<b>Paracel ID</b>	<b>Client ID</b>
1039165-01	Tank 1
1039165-02	Tank 2
1039165-03	Tank 3
1039165-04	Cell 4

Approved By:



Mark Foto, M.Sc. For Dale Robertson, BSc  
Laboratory Director

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**Analysis Summary Table**

Analysis	Method Reference/Description	Extraction Date	Analysis Date
CCME PHC F2 - F4	CWS Tier 1 - GC-FID, extraction	23-Sep-10	24-Sep-10

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<b>Client ID:</b>	Tank 1	Tank 2	Tank 3	Cell 4
<b>Sample Date:</b>	21-Sep-10	21-Sep-10	21-Sep-10	21-Sep-10
<b>Sample ID:</b>	1039165-01	1039165-02	1039165-03	1039165-04
<b>MDL/Units</b>	Water	Water	Water	Water

**Hydrocarbons**

F2 PHCs (C10-C16)	100 ug/L	<100	<100	<100	<100
F3 PHCs (C16-C34)	100 ug/L	<100	<100	<100	<100
F4 PHCs (C34-C50)	100 ug/L	<100	<100	<100	<100

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**Method Quality Control: Blank**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
<b>Hydrocarbons</b>									
F2 PHCs (C10-C16)	ND	100	ug/L						
F3 PHCs (C16-C34)	ND	100	ug/L						
F4 PHCs (C34-C50)	ND	100	ug/L						

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**Method Quality Control: Spike**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
<b>Hydrocarbons</b>									
F2 PHCs (C10-C16)	1160	100	ug/L	ND	72.4	61-129			
F3 PHCs (C16-C34)	3740	100	ug/L	ND	93.5	61-129			
F4 PHCs (C34-C50)	1720	100	ug/L	ND	71.7	61-129			

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**Sample and QC Qualifiers Notes**

None

**Sample Data Revisions**

None

**Work Order Revisions/Comments:**

None

**Other Report Notes:**

n/a: not applicable

MDL: Method Detection Limit

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

%REC: Percent recovery.

RPD: Relative percent difference.

*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.

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## Chain of Custody Record

Nº 61084

Pg. \_\_\_ of \_\_\_

Company Name: <u>NUNATTA ENVIRONMENTAL SER.</u>	Project Ref: <u>LANDFARM</u>	Date Required: _____
Contact Name: <u>JIM WILSON</u>	PO# _____	Turn Around Time: <input checked="" type="checkbox"/> 1-day <input type="checkbox"/> 2-day <input type="checkbox"/> Regular
Address: <u>BOX 267, IQALUIT, NU X0A 0H0</u>	Quote # _____ <input type="checkbox"/> Not Quoted	Regulatory/Guideline Requirements _____
Tel: <u>867-979-1488</u> Cell: _____	Preservative to be added by Paracel? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Email: <u>nanatta@northwestel.net</u>		

Matrix Types: S-Soil/Sed GW-Ground Water SW-Surface Water SS-Storm/Sanitary Sewer A-Air O-Other RDW-Regulated Drinking Water

Sample Information					Analysis Required											
Parcel Order #	Matrix	Air Volume	# Containers	Date Sampled dd/mm/yy												Hazardous? (Y/N)
1039165					F2 - F4											
Sample Identification																
1	TANK 1	SW	1	SEPT 21/10	X											N
2	TANK 2	SW	1	SEPT 21/10												N
3	TANK 3	SW	1	SEPT 21/10												N
4	CELL 4	SW	1	SEPT 21/10	X											N
5																
6																
7																
8																
9																
10																

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Relinquished By: <u>AXEL HAVE</u>	Received at Depot:	Received at Lab:	Verified By: <u>[Signature]</u>
Date: <u>Sept 22/10</u> Time: _____	Date: _____ Time: _____	Date: <u>Sept 23/10</u> Time: <u>12:40</u>	Date: <u>Sept 23/10</u> Time: <u>1:07pm</u>

Please refer to the back page for Locations and Sample Preservation, Container and Hold Time Requirements.

WHITE - Lab Copy, PINK - Client Copy