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Certificate of Analysis

Nunatta Environmental Services Inc.

P.O. Box 267 Phone: (867) 979-1488 Iqaluit, NU X0A0H0 Fax: (867) 979-1478

Attn: Jim Wilson

Client PO: Report Date: 24-Sep-2010

Project: Land Farm Order Date: 20-Sep-2010

Custody: 61083 Order #: 1039084

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

Paracel ID	Client ID
1039084-01	Tank-1
1039084-02	Tank-3
1039084-03	Cell-4
1039084-04	Well #1

Approved By:

Mark Froto

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



Order #: 1039084

Report Date: 24-Sep-2010 **Certificate of Analysis** Client: Nunatta Environmental Services Inc. Order Date:20-Sep-2010

Project Description: Land Farm

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date A	nalysis Date
BTEX	EPA 624 - P&T GC-MS	21-Sep-10	21-Sep-10
CCME PHC F1	CWS Tier 1 - P&T GC-FID	21-Sep-10	21-Sep-10



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Client: Nunatta Environmental Services Inc.

Project Description: Land Farm

Report Date: 24-Sep-2010 Order Date: 20-Sep-2010

	Client ID:	Tank-1	Tank-3	Cell-4	Well #1
	Sample Date:	20-Sep-10	20-Sep-10	20-Sep-10	20-Sep-10
	Sample ID:	1039084-01	1039084-02	1039084-03	1039084-04
	MDL/Units	Water	Water	Water	Water
Volatiles					
Benzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Toluene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
o-Xylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Xylenes, total	1.0 ug/L	<1.0	<1.0	<1.0	<1.0
Toluene-d8	Surrogate	98.6%	97.3%	98.2%	98.3%
Hydrocarbons					
F1 PHCs (C6-C10)	200 ug/L	<200	<200	<200	<200



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Project Description: Land Farm

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	200	ug/L						
Volatiles									
Benzene	ND	0.5	ug/L						
Ethylbenzene	ND	0.5	ug/L						
Toluene	ND	0.5	ug/L						
m,p-Xylenes	ND	0.5	ug/L						
o-Xylene	ND	0.5	ug/L						
Xylenes, total	ND	1.0	ug/L						
Surrogate: Toluene-d8	79.9		ug/L		99.8	76-118			



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Client: Nunatta Environmental Services Inc.

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Project Description: Land Farm

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	200	ug/L	ND				32	
Volatiles									
Benzene	ND	0.5	ug/L	ND				20	
Ethylbenzene	ND	0.5	ug/L	ND				35	
Toluene	ND	0.5	ug/L	ND				30	
m,p-Xylenes	ND	0.5	ug/L	ND				34	
o-Xylene	ND	0.5	ug/L	ND				32	
Surrogate: Toluene-d8	77.5		ug/L	ND	96.9	76-118			



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Client: Nunatta Environmental Services Inc. Client PO:

Report Date: 24-Sep-2010 Order Date: 20-Sep-2010

Project Description: Land Farm

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	1600	200	ug/L	ND	80.1	68-117			
Volatiles									
Benzene	28.6	0.5	ug/L	ND	71.5	55-141			
Ethylbenzene	40.5	0.5	ug/L	ND	101	61-139			
Toluene	31.8	0.5	ug/L	ND	79.5	54-136			
m,p-Xylenes	78.2	0.5	ug/L	ND	97.7	61-139			
o-Xylene	40.2	0.5	ug/L	ND	101	60-142			
Surrogate: Toluene-d8	68.7		ug/L		85.8	76-118			



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Client PO: **Project Description: Land Farm** Report Date: 24-Sep-2010 Order Date: 20-Sep-2010

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Sample and QC Qualifiers Notes

Sample Data Revisions

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 61083

Pg. ___ of _

Company Name: NUMATYM ENV SERVICES Contact Name: 514 WILSON	Project Ref: LAHN FARM PO#									Date Required:					
Address: Box 267 TOALUT AND XOA OHO									Turn Around Time: [] 1-day [] 2-day [Regular						
Tel: 667-999-1488 Cell:	ζ	Quote ii											atory/Guideline Requirements		
Email: munatta a morth wastel o net	Pres	servativ	e to	be added by	Para	cel?	□Yes [□No							
Matrix Types: S-Soil/Sed GW-Ground Water SW-Surface Water SS-Storm/Sanitary Sewer A-Air O-Other RDW-R								DW-R	-Regulated Drinking Water						
Sample Information				a					Anal	ysis Re	equired				
Paracel Order #						0	1								
1039084	Matrix	Air Volume	# Containers	Date Sampled dd/mm/yy	F1- F4	TEX (HORMA	ROKA, WAR								Hazardous? (Y/N)
Sample Identification				ļ.,		Q	3								
	SW		-	SEDT 20/10	X	X	X								N
2 TANK-2 MISSING	SW		l	1 1				M	111	S	eno	d .			N
3 TAHK-3 V	SW		l												N
4 CELL-4	SW)	l			1									N
5 WELL # 1	SW		1		X	X	У								N
6															
7															
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