

Certificate of Analysis

Nunatta Environmental Services Inc.

P.O. Box 267
Iqaluit, NU X0A 0H0
Attn: Ivan Charalambij

Phone: (867) 979-1488
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Client PO:
Project: 09-923
Custody: 58311

Report Date: 20-Jul-2009
Order Date: 14-Jul-2009

Order #: 0929063

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

Paracel ID Client ID
0929063-01 MW08 - 04

Approved By:



Dale Robertson, BSc
Laboratory Director

Any use of these results implies your agreement that our total liability in connection with this work, however arising shall be limited to the amount paid by you for this work, and that our employees or agents shall not under circumstances be liable to you in connection with this work

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Report Date: 20-Jul-2009

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Client: **Nunatta Environmental Services Inc.**

Client PO:

Project Description: 09-923

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
CCME PHC F2 - F4	CWS Tier 1 - GC-FID, extraction	15-Jul-09	16-Jul-09
Mercury	EPA 245.1 - Cold Vapour AA	16-Jul-09	16-Jul-09
Metals	EPA 200.8 - ICP-MS	14-Jul-09	14-Jul-09
PAHs by GC-MS, standard scan	EPA 625 - GC-MS, extraction	15-Jul-09	15-Jul-09
PCBs, total	EPA 608 - GC-ECD	16-Jul-09	16-Jul-09
VOCs	EPA 624 - P&T GC-MS	15-Jul-09	15-Jul-09

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Niagara Falls, ON L2J 0A3

SARNIA
123 Christina St. N.
Sarnia, ON N7T 5T7

Certificate of Analysis

Report Date: 20-Jul-2009

Order Date: 14-Jul-2009

Client: **Nunatta Environmental Services Inc.**

Client PO:

Project Description: 09-923

	Client ID:	MW08 - 04	-	-	-
	Sample Date:	13-Jul-09	-	-	-
	Sample ID:	0929063-01	-	-	-
	MDL/Units	Water	-	-	-

Metals

Aluminum	10 ug/L	942	-	-	-
Antimony	1 ug/L	<1	-	-	-
Arsenic	10 ug/L	<10	-	-	-
Barium	10 ug/L	14	-	-	-
Boron	50 ug/L	<50	-	-	-
Cadmium	1 ug/L	<1	-	-	-
Calcium	200 ug/L	41300	-	-	-
Chromium	50 ug/L	<50	-	-	-
Copper	5 ug/L	7	-	-	-
Iron	200 ug/L	1310	-	-	-
Lead	1 ug/L	<1	-	-	-
Manganese	50 ug/L	<50	-	-	-
Mercury	0.1 ug/L	<0.1	-	-	-
Selenium	5 ug/L	<5	-	-	-
Sodium	200 ug/L	3690	-	-	-
Uranium	5 ug/L	<5	-	-	-
Zinc	20 ug/L	<20	-	-	-

Volatiles

Benzene	0.5 ug/L	<0.5	-	-	-
Bromodichloromethane	0.4 ug/L	<0.4	-	-	-
Bromoform	0.5 ug/L	<0.5	-	-	-
Bromomethane	0.7 ug/L	<0.7	-	-	-
Carbon Tetrachloride	0.5 ug/L	<0.5	-	-	-
Chlorobenzene	0.4 ug/L	<0.4	-	-	-
Chloroethane	1.0 ug/L	<1.0	-	-	-
Chloroform	0.5 ug/L	<0.5	-	-	-
Chloromethane	3.0 ug/L	<3.0	-	-	-
Dibromochloromethane	0.5 ug/L	<0.5	-	-	-
1,2-Dibromoethane	1.0 ug/L	<1.0	-	-	-
1,2-Dichlorobenzene	0.4 ug/L	<0.4	-	-	-
1,3-Dichlorobenzene	0.4 ug/L	<0.4	-	-	-

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	Client ID:	MW08 - 04	-	-	-
	Sample Date:	13-Jul-09	-	-	-
	Sample ID:	0929063-01	-	-	-
	MDL/Units	Water	-	-	-
1,4-Dichlorobenzene	0.4 ug/L	<0.4	-	-	-
1,1-Dichloroethane	0.5 ug/L	<0.5	-	-	-
1,2-Dichloroethane	0.5 ug/L	<0.5	-	-	-
1,1-Dichloroethylene	0.5 ug/L	<0.5	-	-	-
cis-1,2-Dichloroethylene	0.4 ug/L	<0.4	-	-	-
trans-1,2-Dichloroethylene	1.0 ug/L	<1.0	-	-	-
1,2-Dichloropropane	0.5 ug/L	<0.5	-	-	-
cis-1,3-Dichloropropylene	0.4 ug/L	<0.4	-	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	-	-	-
Ethylbenzene	0.5 ug/L	<0.5	-	-	-
Methylene Chloride	4.0 ug/L	<4.0	-	-	-
Styrene	0.4 ug/L	<0.4	-	-	-
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	-	-	-
1,1,2,2-Tetrachloroethane	0.6 ug/L	<0.6	-	-	-
Tetrachloroethylene	0.5 ug/L	<0.5	-	-	-
Toluene	0.5 ug/L	<0.5	-	-	-
1,1,1-Trichloroethane	0.4 ug/L	<0.4	-	-	-
1,1,2-Trichloroethane	0.6 ug/L	<0.6	-	-	-
Trichloroethylene	0.4 ug/L	<0.4	-	-	-
Trichlorofluoromethane	1.0 ug/L	<1.0	-	-	-
1,3,5-Trimethylbenzene	0.5 ug/L	<0.5	-	-	-
Vinyl chloride	0.4 ug/L	<0.4	-	-	-
m,p-Xylenes	0.5 ug/L	<0.5	-	-	-
o-Xylene	0.5 ug/L	<0.5	-	-	-
4-Bromofluorobenzene	Surrogate	89.5%	-	-	-
Dibromofluoromethane	Surrogate	99.1%	-	-	-
Toluene-d8	Surrogate	100%	-	-	-

Hydrocarbons

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

Semi-Volatiles

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	Client ID:	MW08 - 04	-	-	-
	Sample Date:	13-Jul-09	-	-	-
	Sample ID:	0929063-01	-	-	-
	MDL/Units	Water	-	-	-
Acenaphthene	0.05 ug/L	<0.05	-	-	-
Acenaphthylene	0.05 ug/L	<0.05	-	-	-
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	-	-	-
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	-	-	-
Naphthalene	0.05 ug/L	<0.05	-	-	-
Phenanthrene	0.05 ug/L	<0.05	-	-	-
Pyrene	0.01 ug/L	<0.01	-	-	-
2-Fluorobiphenyl	Surrogate	91.9%	-	-	-
Terphenyl-d14	Surrogate	121%	-	-	-
PCBs					
PCBs, total	0.05 ug/L	<0.05	-	-	-
Decachlorobiphenyl	Surrogate	83.2%	-	-	-

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Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F2 PHCs (C10-C16)	ND	100	ug/L						
F3 PHCs (C16-C34)	ND	100	ug/L						
F4 PHCs (C34-C50)	ND	100	ug/L						
Metals									
Aluminum	ND	10	ug/L						
Antimony	ND	1	ug/L						
Arsenic	ND	10	ug/L						
Barium	ND	10	ug/L						
Boron	ND	50	ug/L						
Cadmium	ND	1	ug/L						
Calcium	ND	200	ug/L						
Chromium	ND	50	ug/L						
Copper	ND	5	ug/L						
Iron	ND	200	ug/L						
Lead	ND	1	ug/L						
Mercury	ND	0.1	ug/L						
Manganese	ND	50	ug/L						
Selenium	ND	5	ug/L						
Sodium	ND	200	ug/L						
Uranium	ND	5	ug/L						
Zinc	ND	20	ug/L						
PCBs									
PCBs, total	ND	0.05	ug/L						
Surrogate: Decachlorobiphenyl	0.489		ug/L		97.7	26-147			
Semi-Volatiles									
Acenaphthene	ND	0.05	ug/L						
Acenaphthylene	ND	0.05	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						
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						
Naphthalene	ND	0.05	ug/L						
Phenanthrene	ND	0.05	ug/L						
Pyrene	ND	0.01	ug/L						
Surrogate: 2-Fluorobiphenyl	18.0		ug/L		89.9	31-154			
Surrogate: Terphenyl-d14	24.4		ug/L		122	37-156			
Volatiles									
Benzene	ND	0.5	ug/L						
Bromodichloromethane	ND	0.4	ug/L						
Bromoform	ND	0.5	ug/L						
Bromomethane	ND	0.7	ug/L						
Carbon Tetrachloride	ND	0.5	ug/L						

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Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Chlorobenzene	ND	0.4	ug/L						
Chloroethane	ND	1.0	ug/L						
Chloroform	ND	0.5	ug/L						
Chloromethane	ND	3.0	ug/L						
Dibromochloromethane	ND	0.5	ug/L						
1,2-Dibromoethane	ND	1.0	ug/L						
1,2-Dichlorobenzene	ND	0.4	ug/L						
1,3-Dichlorobenzene	ND	0.4	ug/L						
1,4-Dichlorobenzene	ND	0.4	ug/L						
1,1-Dichloroethane	ND	0.5	ug/L						
1,2-Dichloroethane	ND	0.5	ug/L						
1,1-Dichloroethylene	ND	0.5	ug/L						
cis-1,2-Dichloroethylene	ND	0.4	ug/L						
trans-1,2-Dichloroethylene	ND	1.0	ug/L						
1,2-Dichloropropane	ND	0.5	ug/L						
cis-1,3-Dichloropropylene	ND	0.4	ug/L						
trans-1,3-Dichloropropylene	ND	0.5	ug/L						
Ethylbenzene	ND	0.5	ug/L						
Methylene Chloride	ND	4.0	ug/L						
Styrene	ND	0.4	ug/L						
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L						
1,1,2,2-Tetrachloroethane	ND	0.6	ug/L						
Tetrachloroethylene	ND	0.5	ug/L						
Toluene	ND	0.5	ug/L						
1,1,1-Trichloroethane	ND	0.4	ug/L						
1,1,2-Trichloroethane	ND	0.6	ug/L						
Trichloroethylene	ND	0.4	ug/L						
Trichlorofluoromethane	ND	1.0	ug/L						
1,3,5-Trimethylbenzene	ND	0.5	ug/L						
Vinyl chloride	ND	0.4	ug/L						
m,p-Xylenes	ND	0.5	ug/L						
o-Xylene	ND	0.5	ug/L						
Surrogate: 4-Bromofluorobenzene	71.1		ug/L		88.9	83-134			
Surrogate: Dibromofluoromethane	75.4		ug/L		94.2	78-124			
Surrogate: Toluene-d8	76.7		ug/L		95.9	76-118			

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Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Metals									
Aluminum	ND	10	ug/L	ND				27	
Antimony	9.1	1	ug/L	9.6			5.4	26	
Arsenic	ND	10	ug/L	ND				29	
Barium	130	10	ug/L	124			5.0	34	
Boron	68.2	50	ug/L	61.9			9.8	33	
Cadmium	1.1	1	ug/L	ND				33	QR-01
Calcium	194000	200	ug/L	179000			7.9	30	
Chromium	ND	50	ug/L	ND				32	
Copper	5.0	5	ug/L	ND				32	
Iron	1130	200	ug/L	1030			9.8	32	
Lead	ND	1	ug/L	ND				32	
Mercury	ND	0.1	ug/L	ND				20	
Manganese	218	50	ug/L	205			6.6	29	
Selenium	ND	5	ug/L	ND				28	
Sodium	161000	200	ug/L	145000			10.1	27	
Uranium	ND	5	ug/L	ND				27	
Zinc	ND	20	ug/L	ND				27	
Volatiles									
Benzene	ND	0.5	ug/L	ND				20	
Bromodichloromethane	ND	0.4	ug/L	ND				25	
Bromoform	ND	0.5	ug/L	ND				25	
Bromomethane	ND	0.7	ug/L	ND				25	
Carbon Tetrachloride	ND	0.5	ug/L	ND				25	
Chlorobenzene	ND	0.4	ug/L	ND				25	
Chloroethane	ND	1.0	ug/L	ND				25	
Chloroform	ND	0.5	ug/L	ND				19	
Chloromethane	ND	3.0	ug/L	ND				25	
Dibromochloromethane	ND	0.5	ug/L	ND				25	
1,2-Dibromoethane	ND	1.0	ug/L	ND				25	
1,2-Dichlorobenzene	ND	0.4	ug/L	ND				25	
1,3-Dichlorobenzene	ND	0.4	ug/L	ND				25	
1,4-Dichlorobenzene	ND	0.4	ug/L	ND				25	
1,1-Dichloroethane	ND	0.5	ug/L	ND				21	
1,2-Dichloroethane	ND	0.5	ug/L	ND				25	
1,1-Dichloroethylene	ND	0.5	ug/L	ND				21	
cis-1,2-Dichloroethylene	ND	0.4	ug/L	ND				20	
trans-1,2-Dichloroethylene	ND	1.0	ug/L	ND				25	
1,2-Dichloropropane	ND	0.5	ug/L	ND				25	
cis-1,3-Dichloropropylene	ND	0.4	ug/L	ND				25	
trans-1,3-Dichloropropylene	ND	0.5	ug/L	ND				25	
Ethylbenzene	ND	0.5	ug/L	ND				35	
Methylene Chloride	ND	4.0	ug/L	ND				25	
Styrene	ND	0.4	ug/L	ND				25	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	ND				25	
1,1,2,2-Tetrachloroethane	ND	0.6	ug/L	ND				25	
Tetrachloroethylene	ND	0.5	ug/L	ND				31	
Toluene	ND	0.5	ug/L	ND				30	
1,1,1-Trichloroethane	ND	0.4	ug/L	ND				25	
1,1,2-Trichloroethane	ND	0.6	ug/L	ND				25	
Trichloroethylene	ND	0.4	ug/L	ND				30	
Trichlorofluoromethane	ND	1.0	ug/L	ND				25	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	ND				20	
Vinyl chloride	ND	0.4	ug/L	ND				25	

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Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
m,p-Xylenes	ND	0.5	ug/L	ND				34	
o-Xylene	ND	0.5	ug/L	ND				32	
Surrogate: 4-Bromofluorobenzene	72.1		ug/L	ND	90.2	83-134			
Surrogate: Dibromofluoromethane	80.0		ug/L	ND	100	78-124			
Surrogate: Toluene-d8	75.8		ug/L	ND	94.8	76-118			

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Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F2 PHCs (C10-C16)	1240	100	ug/L	ND	77.5	61-129			
F3 PHCs (C16-C34)	2790	100	ug/L	ND	69.7	61-129			
F4 PHCs (C34-C50)	1830	100	ug/L	ND	76.4	61-129			
Metals									
Aluminum	61.6		ug/L	0.6	122	74-130			
Antimony	47.0		ug/L	1.0	92.1	78-126			
Arsenic	56.6		ug/L	0.08	113	83-119			
Barium	63.6		ug/L	12.4	102	83-116			
Boron	56.2		ug/L	6.2	100	71-128			
Cadmium	52.8		ug/L	0.09	105	78-119			
Calcium	19300		ug/L	17900	136	64-127			QS-02
Chromium	54.7		ug/L	3.3	103	80-124			
Copper	42.1		ug/L	0.4	83.3	75-123			
Iron	1130		ug/L	103	102	66-119			
Lead	50.7		ug/L	ND	102	77-126			
Mercury	3.41	0.1	ug/L	ND	114	78-137			
Manganese	67.5		ug/L	20.5	94.1	79-123			
Selenium	54.7		ug/L	0.05	109	81-125			
Sodium	15500		ug/L	14500	101	68-132			
Uranium	51.1		ug/L	0.2	102	70-131			
Zinc	45.0		ug/L	ND	99.2	78-130			
PCBs									
PCBs, total	1.09	0.05	ug/L	ND	109	54-137			
Surrogate: Decachlorobiphenyl	0.505		ug/L		101	26-147			
Semi-Volatiles									
Acenaphthene	4.42	0.05	ug/L	ND	88.5	32-116			
Acenaphthylene	4.55	0.05	ug/L	ND	90.9	26-120			
Anthracene	4.82	0.01	ug/L	ND	96.3	29-126			
Benzo[a]anthracene	3.83	0.01	ug/L	ND	76.7	29-126			
Benzo[a]pyrene	3.50	0.01	ug/L	ND	70.0	29-111			
Benzo[b]fluoranthene	3.92	0.05	ug/L	ND	78.5	26-111			
Benzo[g,h,i]perylene	3.42	0.05	ug/L	ND	68.3	23-128			
Benzo[k]fluoranthene	4.99	0.05	ug/L	ND	99.7	23-135			
Biphenyl	4.14	0.05	ug/L	ND	82.9	31-107			
Chrysene	4.96	0.05	ug/L	ND	99.1	29-137			
Dibenzo[a,h]anthracene	2.85	0.05	ug/L	ND	56.9	20-131			
Fluoranthene	4.99	0.01	ug/L	ND	99.8	24-131			
Fluorene	4.16	0.05	ug/L	ND	83.2	28-123			
Indeno[1,2,3-cd]pyrene	3.06	0.05	ug/L	ND	61.2	20-128			
1-Methylnaphthalene	4.73	0.05	ug/L	ND	94.7	25-127			
2-Methylnaphthalene	4.50	0.05	ug/L	ND	90.0	21-119			
Naphthalene	4.45	0.05	ug/L	ND	88.9	29-118			
Phenanthrene	4.64	0.05	ug/L	ND	92.9	34-108			
Pyrene	5.07	0.01	ug/L	ND	101	29-131			
Surrogate: 2-Fluorobiphenyl	19.7		ug/L		98.6	31-154			
Surrogate: Terphenyl-d14	22.8		ug/L		114	37-156			
Volatiles									
Benzene	35.9	0.5	ug/L	ND	89.8	55-141			
Bromodichloromethane	36.9	0.4	ug/L	ND	92.2	52-139			
Bromoform	47.4	0.5	ug/L	ND	118	52-170			
Bromomethane	36.0	0.7	ug/L	ND	90.0	32-138			
Carbon Tetrachloride	29.1	0.5	ug/L	ND	72.8	49-149			

Certificate of Analysis

Report Date: 20-Jul-2009

Order Date: 14-Jul-2009

Client: **Nunatta Environmental Services Inc.**

Client PO:

Project Description: 09-923

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Chlorobenzene	43.1	0.4	ug/L	ND	108	64-137			
Chloroethane	35.9	1.0	ug/L	ND	89.8	39-152			
Chloroform	36.0	0.5	ug/L	ND	90.0	58-138			
Chloromethane	38.3	3.0	ug/L	ND	95.8	24-163			
Dibromochloromethane	46.5	0.5	ug/L	ND	116	61-153			
1,2-Dibromoethane	44.8	1.0	ug/L	ND	112	61-145			
1,2-Dichlorobenzene	44.0	0.4	ug/L	ND	110	60-150			
1,3-Dichlorobenzene	43.1	0.4	ug/L	ND	108	62-149			
1,4-Dichlorobenzene	43.0	0.4	ug/L	ND	107	63-132			
1,1-Dichloroethane	35.0	0.5	ug/L	ND	87.6	51-156			
1,2-Dichloroethane	35.6	0.5	ug/L	ND	89.0	50-140			
1,1-Dichloroethylene	37.7	0.5	ug/L	ND	94.2	43-153			
cis-1,2-Dichloroethylene	38.7	0.4	ug/L	ND	96.7	58-145			
trans-1,2-Dichloroethylene	39.0	1.0	ug/L	ND	97.4	51-145			
1,2-Dichloropropane	37.4	0.5	ug/L	ND	93.6	56-136			
cis-1,3-Dichloropropylene	44.4	0.4	ug/L	ND	111	54-141			
trans-1,3-Dichloropropylene	49.8	0.5	ug/L	ND	124	61-140			
Ethylbenzene	41.6	0.5	ug/L	ND	104	61-139			
Methylene Chloride	45.0	4.0	ug/L	ND	112	58-149			
Styrene	42.0	0.4	ug/L	ND	105	63-143			
1,1,1,2-Tetrachloroethane	42.7	0.5	ug/L	ND	107	61-148			
1,1,2,2-Tetrachloroethane	47.8	0.6	ug/L	ND	120	50-157			
Tetrachloroethylene	47.4	0.5	ug/L	ND	118	51-145			
Toluene	43.7	0.5	ug/L	ND	109	54-136			
1,1,1-Trichloroethane	36.0	0.4	ug/L	ND	90.1	55-140			
1,1,2-Trichloroethane	38.4	0.6	ug/L	ND	96.1	63-144			
Trichloroethylene	32.8	0.4	ug/L	ND	82.0	52-135			
Trichlorofluoromethane	37.5	1.0	ug/L	ND	93.6	37-155			
1,3,5-Trimethylbenzene	36.8	0.5	ug/L	ND	91.9	61-151			
Vinyl chloride	30.8	0.4	ug/L	ND	77.1	31-159			
m,p-Xylenes	85.9	0.5	ug/L	ND	107	61-139			
o-Xylene	41.7	0.5	ug/L	ND	104	60-142			
Surrogate: 4-Bromofluorobenzene	81.8		ug/L		102	83-134			
Surrogate: Dibromofluoromethane	74.2		ug/L		92.8	78-124			
Surrogate: Toluene-d8	74.6		ug/L		93.3	76-118			

Certificate of Analysis

Report Date: 20-Jul-2009

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Client: **Nunatta Environmental Services Inc.**

Client PO:

Project Description: 09-923

Sample and QC Qualifiers Notes

- 1- QR-01 : Duplicate RPD is high, however, the sample result is less than 10x the MDL.
- 2- QS-02 : Spike level outside of control limits. Analysis batch accepted based on other QC included in the batch.

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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e: paracel@paracellabs.com
www.paracellabs.com

Chain of Custody Record

Nº 58311

Pg. 1 of 1

Company Name: <u>Nunatta Environmental</u>	Project Ref: <u>09-923</u>	Date Required: _____
Contact Name: <u>Tuan Chao</u>	PO# _____	Turn Around Time: [] 1-day [] 2-day [x] Regular
Address: <u>P.O. 267 / IRL Rd. N. / Box 0140</u>	Quote # _____ ☒ Not Quoted	Regulatory/Guideline Requirements
Tel: <u>(867) 979-1488</u> Cell: <u>(867) 979-1478</u>	Preservative to be added by Paracel? ☐ Yes ☒ No	<u>CCME</u>
Email: <u>nunatta@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 #	Sample Identification	Matrix	Air Volume	# Containers	Date Sampled dd/mm/yy	F1/BTEX	P2-F4	F1/BTEX	P2-F4	CCME Metals	PAH	PCB	VOC's	Hazardous? (Y/N)
	0929062 - soil 0929063 - H2O													
1	Cell 3 - 2009-1	S	none	2	July 9/09	X	X							
2	Cell 3 - 2009-2	S	"	2	"	X	X							
3	Cell 3 - 2009-3	S	"	2	"	X	X							
4														
5	MW08-4	GW	"	8	"			X	X	X	X	X	X	
6														
7														
8														
9														
10														

Comments: Meet CCME PTHC in soil * GW - metals not field filtered - no preservative
GW → to meet MOE Table 3 MW08-4 500ml AG broken open receipt sampled from
PAH & PCB

Relinquished By: <u>Jyson Taylor</u>	Received at Depot:	Received at Lab: <u>View C.</u>	Verified By: <u>View C.</u>
Date: <u>07/13/09</u> Time: <u>7:55 am</u>	Date: _____ Time: _____	Date: <u>07/13/09</u> Time: <u>2:30</u>	Date: <u>07/13/09</u> Time: <u>3:00</u>

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

WHITE - Lab Copy, PINK - Client Copy