

ASU #	13851		Report ID:	CAM-5 S1					
Client:	ESG		Date Submitted:	25-Aug-11					
			Date Tested:	30-Aug-11					
Site:	CAM-5		Date Reported:	01-Sep-11					
ESG#	11-216		Matrix:	Soil					
Report of Analysis			All results in ug/g						
Results relate only to the items tested									
Sample	Cu	Ni	Co	Cd	Pb	Zn	Cr	As	
11-29040	10.9	7.1	6.5	<1.0	<10	26	<20	1.1	*
11-29042	11.2	8.2	6.8	<1.0	<10	25	<20	1.0	
11-29044	6.8	5.5	<5.0	<1.0	<10	21	<20	<1.0	
11-29046	47.7	22.1	8.3	<1.0	<10	40	37	1.6	
11-29048	6.5	<5.0	<5.0	<1.0	<10	23	<20	<1.0	
11-29050	10.3	7.9	5.8	<1.0	<10	26	<20	<1.0	
11-29052	<3.0	<5.0	<5.0	<1.0	<10	16	<20	<1.0	
11-29054	<3.0	<5.0	<5.0	<1.0	<10	16	<20	<1.0	
11-29056	6.0	7.9	5.3	<1.0	<10	23	<20	<1.0	
11-29058	8.3	10.3	7.0	<1.0	<10	29	<20	<1.0	*
11-29059	8.1	11.4	7.2	<1.0	<10	28	22	<1.0	
11-29060	9.1	7.1	6.0	<1.0	<10	27	<20	<1.0	
11-29062	8.1	6.6	5.7	<1.0	<10	23	<20	<1.0	
11-29064	13.0	8.8	6.6	<1.0	<10	34	<20	<1.0	
11-29066	16.1	10.5	6.8	<1.0	<10	35	21	<1.0	
11-29068	10.2	7.7	5.4	<1.0	<10	24	<20	<1.0	
11-29070	9.5	7.8	5.4	<1.0	<10	27	<20	<1.0	*
11-29072	9.1	7.0	5.9	<1.0	<10	23	<20	<1.0	
11-29074	9.4	7.2	5.2	<1.0	<10	24	<20	<1.0	
11-29076	7.4	9.6	11.3	<1.0	12	29	35	<1.0	
Blank	<3.0	<5.0	<5.0	<1.0	<10	<15	<20	<1.0	
Blank	<3.0	<5.0	<5.0	<1.0	<10	<15	<20	<1.0	
MESS-3	29.6	39.4	12.6	<1.0	19	140	52	18.1	
SS-2	185.0	56.6	14.9	1.9	116	461	47	78.2	
11-29040	11.2	7.6	6.8	<1.0	<10	28	<20	1.1	
11-29040	10.5	6.7	6.2	<1.0	<10	24	<20	1.2	
11-29058	7.4	9.3	6.1	<1.0	<10	26	<20	<1.0	
11-29058	9.2	11.3	8.0	<1.0	<10	31	20	<1.0	
11-29070	8.6	6.3	5.1	<1.0	<10	24	<20	<1.0	
11-29070	10.4	9.3	5.6	<1.0	<10	29	<20	<1.0	

Prepared by: _____

Cam-5 S1.xls
Page 1 of 1

Authorization: _____

ASU #	13851		Report ID:	CAM-5 S2					
Client:	ESG		Date Submitted:	25-Aug-11					
			Date Tested:	31-Aug-11					
Site:	CAM-5		Date Reported:	02-Sep-11					
ESG#	11-216		Matrix:	Soil					
Report of Analysis			All results in ug/g						
Results relate only to the items tested									
Sample	Cu	Ni	Co	Cd	Pb	Zn	Cr	As	
11-29078	6.7	8.8	9.2	<1.0	<10	29	22	1.4	
11-29079	8.2	8.3	8.8	<1.0	<10	33	<20	1.1	*
11-29080	<3.0	<5.0	<5.0	<1.0	<10	<15	<20	<1.0	
11-29082	<3.0	<5.0	<5.0	<1.0	<10	<15	<20	<1.0	
11-29084	10.6	12.8	7.4	<1.0	<10	28	27	<1.0	
11-29086	11.5	14.6	7.9	<1.0	<10	35	26	1.0	
11-29088	9.0	14.1	7.0	<1.0	<10	27	25	<1.0	
11-29090	13.7	25.0	9.8	<1.0	<10	36	56	<1.0	
11-29092	4.3	7.6	5.0	<1.0	<10	20	<20	<1.0	*
11-29094	4.1	7.9	5.1	<1.0	<10	18	<20	<1.0	
11-29096	3.4	5.4	<5.0	<1.0	<10	<15	<20	<1.0	
11-29097	4.1	5.7	<5.0	<1.0	<10	<15	<20	<1.0	
11-29098	4.3	7.3	<5.0	<1.0	<10	15	<20	2.7	
Blank	<3.0	<5.0	<5.0	<1.0	<10	<15	<20	<1.0	
Blank	<3.0	<5.0	<5.0	<1.0	<10	<15	<20	<1.0	
MESS-3	30.1	38.9	12.2	<1.0	19	141	38	18.9	
SS-2	193.7	59.1	15.7	1.9	114	477	44	88.4	
11-29079	8.1	8.8	8.9	<1.0	<10	35	<20	1.1	
11-29079	8.4	7.7	8.7	<1.0	<10	31	<20	1.0	
11-29092	3.9	7.1	<5.0	<1.0	<10	19	<20	<1.0	
11-29092	4.7	8.1	5.2	<1.0	<10	20	<20	<1.0	

Prepared by: _____

Cam-5 S2.xls
Page 1 of 1

Authorization: _____

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ASG Login No: 22022
Site: Cam-5
Client No: 11-216
Samples Received: 25-Aug-11
Date of analysis: 16-Sep-11
Method No: ASG 014
Date Reported: 16-Sep-11
Sheet: 1 of 1

RESULTS OF MERCURY IN SOIL ANALYSIS

Sample ID	Mercury µg/g
29040*	< 0.1
29042	< 0.1
29044	< 0.1
29046	< 0.1
29048	< 0.1
29050	< 0.1
29052	< 0.1
29054	< 0.1
29056	< 0.1
29058	< 0.1
29059	< 0.1
29060	< 0.1
29062	< 0.1
29064	< 0.1
29066	< 0.1
29068	< 0.1
29070	< 0.1
29072	< 0.1
29074	< 0.1
29076	< 0.1
29078	< 0.1
29079	0.2
29080	< 0.1
29082	< 0.1
29084	< 0.1
29086	< 0.1
29088	< 0.1
29090	< 0.1
29092	< 0.1
29094	< 0.1
29096	< 0.1
29097	< 0.1
29098	< 0.1

LABORATORY QA/QC

Sample ID	Mercury µg/g
Duplicate ; 29040*	< 0.1 ; < 0.1
Blank	< 0.1
Control Target	0.44
Control Sample	0.38

* Averaged result of duplicates

The results reported here relate only to the items tested.

Prepared By: _____
Curtis McDonald;
Analyst

Authorization: _____
Julie McDonald;
Laboratory Manager
Test Report I.D: Hgs22022r1.xls

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ASG Login No: 22022

Site: Cam-5

Client No: 11-216

Samples Received: 25-Aug-11

Date of analysis: 8-Sep-11

Method No: ASG 005C

Date Reported: 15-Sep-11

Sheet No: 1 of 1

RESULTS OF PCB ANALYSIS

Sample Type **	Sample I.D.	Unit	Aroclor 1254	Aroclor 1260
S	29040	µg/g	< 0.05	< 0.05
S	29042	µg/g	< 0.05	< 0.05
S	29044	µg/g	< 0.05	< 0.05
S	29046	µg/g	< 0.05	< 0.05
S	29048	µg/g	< 0.05	< 0.05
S	29050	µg/g	< 0.05	< 0.05
S	29052	µg/g	< 0.05	< 0.05
S	29054	µg/g	< 0.05	< 0.05
S	29056	µg/g	< 0.05	< 0.05

* Averaged result of duplicate

** O = Oil, S = Soil, C = Concrete, PC = Paint Chips, SW = Swabs, W = Water, P = Plants

LABORATORY QA/QC

Blank	µg/g	< 0.05	< 0.05
Control Sample	µg/g	6.5	< 0.05
Control Sample Target	µg/g	5.0	< 0.05

All results corrected for the recovery of the surrogate decachlorobiphenyl

The results reported here relate only to the items tested.

Prepared By: _____
Stephanie Trickey, Analyst

Authorization: _____
Julie McDonald, Lab Manager
PCBs22022r1-1.xls

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ASG Login No: 22022

Site: Cam-5

Client No: 11-216

Samples Received: 25-Aug-11

Date of analysis: 9-Sep-11

Method No: ASG 005C

Date Reported: 15-Sep-11

Sheet No: 1 of 1

RESULTS OF PCB ANALYSIS

Sample Type **	Sample I.D.	Unit	Aroclor 1254	Aroclor 1260
S	29058*	µg/g	< 0.05	< 0.05
S	29059	µg/g	< 0.05	< 0.05
S	29060	µg/g	< 0.05	< 0.05
S	29062	µg/g	< 0.05	< 0.05
S	29064	µg/g	< 0.05	< 0.05
S	29066	µg/g	< 0.05	< 0.05
S	29068	µg/g	< 0.05	< 0.05
S	29070	µg/g	< 0.05	< 0.05
S	29072	µg/g	< 0.05	< 0.05
S	29074	µg/g	< 0.05	< 0.05
S	29076	µg/g	< 0.05	< 0.05
S	29078	µg/g	< 0.05	< 0.05
S	29079	µg/g	< 0.05	< 0.05
S	29080	µg/g	< 0.05	< 0.05
S	29082	µg/g	< 0.05	< 0.05
S	29084	µg/g	< 0.05	< 0.05
S	29086	µg/g	< 0.05	< 0.05
S	29088	µg/g	< 0.05	< 0.05
S	29090	µg/g	< 0.05	< 0.05
S	29092	µg/g	< 0.05	< 0.05
S	29094	µg/g	< 0.05	< 0.05
S	29096	µg/g	< 0.05	< 0.05
S	29097	µg/g	< 0.05	< 0.05
S	29098	µg/g	< 0.05	< 0.05

* Averaged result of duplicate

** O = Oil, S = Soil, C = Concrete, PC = Paint Chips, SW = Swabs, W = Water, P = Plants

LABORATORY QA/QC

S	29058 ; Duplicate	µg/g	< 0.05 ; < 0.05	< 0.05 ; < 0.05
	Blank	µg/g	< 0.05	< 0.05
	Control Sample	µg/g	3.7	< 0.05
	Control Sample Target	µg/g	5.0	< 0.05

All results corrected for the recovery of the surrogate decachlorobiphenyl

The results reported here relate only to the items tested.

Prepared By: _____
Stephanie Trickey, Analyst

Authorization: _____
Julie McDonald, Lab Manager
PCBs22022r2-1.xls

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ASG Login No: 22022

Site: Cam-5

Client Login No: 11-216

Date Sampled: 14-Aug-11

Samples Received: 25-Aug-11

Date of analysis: 26-Aug-11

Method No: ASG 053 ~

Date Reported: 14-Sep-11

Sheet: 1 of 1

RESULTS OF PHC IN SOIL ANALYSIS - F1 FRACTION[^]

Sample I.D.	Unit	F1 Fraction (ppm)
29040	mg/kg	< 10
29042	mg/kg	< 10
29044	mg/kg	< 10
29046	mg/kg	< 10
29048	mg/kg	< 10
29050	mg/kg	< 10
29052	mg/kg	< 10
29054	mg/kg	31
29056	mg/kg	17
29058	mg/kg	< 10
29059	mg/kg	< 10
29060	mg/kg	< 10
29062	mg/kg	< 10
29064	mg/kg	< 10

LABORATORY QA/QC SECTION

Blank	mg/kg	< 10
Gasoline Control Sample	mg/kg	31
Gasoline Control Target	mg/kg	29

[^] BTEX contribution to F1 fraction not subtracted from reported values

* Averaged result of duplicates

~ This method complies with the reference method for the CWS PHC and is validated for use in the laboratory.
 Linearity of calibration standards is within 15%.
 Extraction and analysis holding times for samples were met.

The results reported here relate only to the items tested

Prepared by: _____
 Chad Hind, Analyst

Authorization: _____
 Julie McDonald, Laboratory Manager

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ASG Login No: 22022
 Site: Cam-5
 Client Login No: 11-216
 Samples Received: 25-Aug-11
 Date of analysis: 7-Sep-11
 Date Sampled: 14-Aug-11
 Method No: ASG 053~
 Date Reported: 16-Sep-11
 Sheet: 1 of 1

RESULTS OF PHC IN SOIL ANALYSIS[^]

Sample I.D.	Unit	F2 Fraction (ppm)	F3 Fraction (ppm)	F4 Fraction (ppm)	F4G (ppm)
29040	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29042	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29044	mg/kg	< 4.0	10	< 8.0	N/A
29046	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29048	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29050	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29052	mg/kg	< 4.0	18	21	N/A
29054	mg/kg	< 4.0	16	17	N/A
29056	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29058	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29059	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29060	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29062	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29064	mg/kg	7.1	63	25	N/A
29066	mg/kg	< 4.0	25	15	N/A
29068	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29070	mg/kg	< 4.0	20	< 8.0	N/A
29072	mg/kg	< 4.0	< 9.0	< 8.0	N/A

LABORATORY QA/QC FOR F2-F4 FRACTIONS

Sample I.D.	Unit	F2 Fraction (ppm)	F3 Fraction (ppm)	F4 Fraction (ppm)	F4G (ppm)
Blank	mg/kg	< 4.0	< 9.0	< 8.0	N/A

Diesel Spike	mg/kg	41
Diesel Spike Target	mg/kg	50
Control Standard	mg/kg	2600
Control Standard Target	mg/kg	2500

[^]PAH contributions to F2-F4 not subtracted from reported values.
 ~The method used complies with the Reference Method for the CWS PHC.

Gravimetric heavy hydrocarbons cannot be added to the C6-C50 hydrocarbons.
 The chromatogram descended to baseline by the C50 retention time.
 Average response factors for C10, C16, C34 were within 10% of each other.
 C50 response factor was within 70% of the C10, C16, C34 average response factor.
 Linearity of calibration standards was within 15%.
 Extraction and analysis holding times for samples were met.

The results reported here relate only to the items tested.

Prepared By: _____
 Kate Campbell, Analyst

Authorization: _____
 Julie McDonald, Laboratory Manager
 Test Report I.D: PHCs22022r1(F2-F4).xls

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ASG Login No: 22022

Site: Cam-5

Client Login No: 11-216

Date Sampled: 14-Aug-11

Samples Received: 25-Aug-11

Date of analysis: 26-Aug-11

Method No: ASG 053 ~

Date Reported: 16-Sep-11

Sheet: 1 of 1

RESULTS OF PHC IN SOIL ANALYSIS - F1 FRACTION^

Sample I.D.	Unit	F1 Fraction (ppm)
29066*	mg/kg	< 10
29068	mg/kg	< 10
29070	mg/kg	< 10
29072	mg/kg	< 10
29074	mg/kg	< 10
29076	mg/kg	< 10
29078	mg/kg	< 10
29079	mg/kg	< 10
29080	mg/kg	< 10
29082	mg/kg	< 10
29084	mg/kg	< 10
29086	mg/kg	< 10
29088	mg/kg	< 10
29090	mg/kg	< 10
29092	mg/kg	< 10
29094	mg/kg	< 10
29096	mg/kg	< 10
29097	mg/kg	< 10
29098	mg/kg	< 10

LABORATORY QA/QC SECTION

Blank	mg/kg	< 10
Duplicate ; 29066*	mg/kg	< 10 ; < 10
Gasoline Control Sample	mg/kg	31
Gasoline Control Target	mg/kg	29

^ BTEX contribution to F1 fraction not subtracted from reported values

* Averaged result of duplicates

~ This method complies with the reference method for the CWS PHC and is validated for use in the laboratory.

Linearity of calibration standards is within 15%.

Extraction and analysis holding times for samples were met.

The results reported here relate only to the items tested

Prepared by: _____
Chad Hind, Analyst

Authorization: _____
Julie McDonald, Laboratory Manager

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ASG Login No: 22022

Site: Cam-5

Client Login No: 11-216

Samples Received: 25-Aug-11

Date of analysis: 7-Sep-11

Date Sampled: 14-Aug-11

Method No: ASG 053~

Date Reported: 16-Sep-11

Sheet: 1 of 1

RESULTS OF PHC IN SOIL ANALYSIS^

Sample I.D.	Unit	F2 Fraction (ppm)	F3 Fraction (ppm)	F4 Fraction (ppm)	F4G (ppm)
29074	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29076	mg/kg	11	51	26	N/A
29078	mg/kg	5.8	67	43	N/A
29079	mg/kg	5.7	35	27	N/A
29080	mg/kg	< 4.0	< 9.0	11	N/A
29082	mg/kg	< 4.0	10	< 8.0	N/A
29084	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29086	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29088	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29090	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29092*	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29094	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29096	mg/kg	4.0	< 9.0	< 8.0	N/A
29097	mg/kg	< 4.0	< 9.0	< 8.0	N/A
29098	mg/kg	< 4.0	< 9.0	< 8.0	N/A

LABORATORY QA/QC FOR F2-F4 FRACTIONS

Sample I.D.	Unit	F2 Fraction (ppm)	F3 Fraction (ppm)	F4 Fraction (ppm)	F4G (ppm)
Duplicate ; 29092*	mg/kg	< 4.0 ; 4.0	< 9.0 ; < 9.0	< 8.0 ; < 8.0	N/A
Blank	mg/kg	< 4.0	< 9.0	< 8.0	N/A

Diesel Spike	mg/kg	39
Diesel Spike Target	mg/kg	50
Control Standard	mg/kg	2500
Control Standard Target	mg/kg	2500

^PAH contributions to F2-F4 not subtracted from reported values.

~The method used complies with the Reference Method for the CWS PHC.

*Averaged result of duplicate

Gravimetric heavy hydrocarbons cannot be added to the C6-C50 hydrocarbons.

The chromatogram descended to baseline by the C50 retention time.

Average response factors for C10, C16, C34 were within 10% of each other.

C50 response factor was within 70% of the C10, C16, C34 average response factor.

Linearity of calibration standards was within 15%.

Extraction and analysis holding times for samples were met.

The results reported here relate only to the items tested.

Prepared By: _____
 Kate Campbell, Analyst

Authorization: _____
 Julie McDonald, Laboratory Manager
 Test Report I.D: PHCs22022r2(F2-F4).xls

ASU #	13848		Report ID:	Cam-5 W1					
Client:	ESG		Date Submitted:	25-Aug-11					
			Date tested:	25-Aug-11					
Site:	Cam-5		Date:	26-Aug-11					
	11-217		Matrix:	water					
Report of Analysis									
Results relate only to the items tested									
Total Metals	Results in mg/L								
SAMPLE	Cu	Ni	Co	Cd	Pb	Zn	Cr	As	
11-29110	0.007	0.011	<0.003	<0.001	<0.010	<0.010	0.019	<0.003	
11-29111	<0.005	<0.005	<0.003	<0.001	<0.010	<0.010	0.017	<0.003	
11-29112	<0.005	0.027	<0.003	<0.001	<0.010	0.090	0.065	<0.003	
11-29113	0.101	0.088	0.006	<0.001	<0.010	0.078	0.175	<0.003	
11-29114	<0.005	<0.005	<0.003	<0.001	<0.010	<0.010	0.006	<0.003	*
Blank	<0.005	<0.005	<0.003	<0.001	<0.010	<0.010	<0.005	<0.003	
Control	1.57	1.62	1.60	0.79	8.08	3.02	0.82	0.75	
Control Target	1.60	1.60	1.60	0.80	8.00	3.00	0.80	0.80	
11-29114	<0.005	<0.005	<0.003	<0.001	<0.010	<0.010	0.006	<0.003	
11-29114	<0.005	<0.005	<0.003	<0.001	<0.010	<0.010	<0.005	<0.003	

**ANALYTICAL SCIENCES GROUP AND SLOWPOKE-2 FACILITY AT RMC
GROUP DES SCIENCES ANALYTIQUES ET FACILITÉ SLOWPOKE-2 AU CMR**

Dept. of Chem. and Chem. Eng. - Dépt. de chimie et de génie chimique
Royal Military College of Canada - Collège militaire royal du Canada
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(613) 541-6000 ext 6567
Fax: (613) 541-6596

ASG Login No: 22019
Site: Cam-5
Client No: 11-217
Samples Received: 25-Aug-11
Date of analysis: 26-Aug-11
Method No: ASG 021
Date Reported: 26-Aug-11
Sheet: 1 of 1

RESULTS OF MERCURY ANALYSIS

Sample ID	Mercury^ mg/L
29110*	< 0.0004
29111	< 0.0004
29112	< 0.0004
29113	< 0.0004
29114	< 0.0004

* Averaged result of duplicates

^ Acid digestion performed.

Reported at 0.0004 mg/L detection limit.

LABORATORY QA/QC

Sample ID	Mercury^ mg/L
Duplicate ; 29110*	< 0.0004; < 0.0004
Blank	< 0.0004
Control Target	0.0040
Control Sample	0.0042

The results reported here relate only to the items tested.

Prepared By: _____
Yi Wang;
Analyst

Authorization: _____
Julie McDonald;
Laboratory Manager
Test Report I.D: Hgw22019r1.xls

**ANALYTICAL SCIENCES GROUP AND SLOWPOKE-2 FACILITY AT RMC
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ASG Login No: 22019

Site: Cam-5

Client No: 11-217

Samples Received: 25-Aug-11

Date of analysis: 25-Aug-11

Method No: ASG 015

Date Reported: 31-Aug-11

Sheet No: 1 of 1

RESULTS OF PCB IN WATER ANALYSIS

Sample Type **	Sample I.D.	Unit	Aroclor 1254	Aroclor 1260
W	29110	mg/L	< 0.003	< 0.003
W	29111	mg/L	< 0.003	< 0.003
W	29112	mg/L	< 0.003	< 0.003
W	29113	mg/L	< 0.003	< 0.003
W	29114	mg/L	< 0.003	< 0.003

Report Values in PPM

LABORATORY QA/QC

	Blank	mg/L	< 0.003	< 0.003
	Control Sample	mg/L	< 0.003	0.015
	Control Sample Target	mg/L	< 0.003	0.015

** S = Soil , C = Concrete , PC = Paint Chip , SW = Swab , P = Plant , W = Water , L = Leachate

All results corrected for the recovery of the surrogate decachlorobiphenyl

The results reported here relate only to the items tested.

Prepared By: _____
Chad Hind, Analyst

Authorization: _____
Julie McDonald, Laboratory Manager
PCBregw22019r1.xls

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ASG Login No: 22019
Site: Cam-5
Client Login No: 11-217
Date Sampled: 14-Aug-11
Samples Received: 25-Aug-11
Date of analysis: 30-Aug-11
Method No: ASG 055 ~
Date Reported: 06-Sep-11
Sheet: 1 of 1

RESULTS OF PHC IN WATER ANALYSIS - F1 FRACTION[^]

Sample I.D.	Unit	F1 Fraction (ppm)
29110*	mg/L	< 0.05
29111	mg/L	< 0.05
29112	mg/L	< 0.05
29113	mg/L	< 0.05
29114	mg/L	< 0.05

LABORATORY QA/QC SECTION

Duplicate ; 29110*	mg/L	< 0.05 ; < 0.05
Blank	mg/L	< 0.05
Gasoline Control Sample	mg/L	0.15
Gasoline Control Target	mg/L	0.16

[^] BTEX contribution to F1 fraction not subtracted from reported values

* Averaged result of duplicates

Average response factors for hexane and decane were within 30% of the toluene response factor.

Linearity of calibration standards is within 15%.

The results reported here relate only to the items tested

Prepared by: _____
Chad Hind ; Analyst

Authorization: _____
Julie McDonald, Laboratory Manager

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ASG Login No: 22019

Site: Cam-5

Client Login No: 11-217

Samples Received: 25-Aug-11

Date of analysis: 8-Sep-11

Date Sampled: 14-Aug-11

Method No: ASG 053~

Date Reported: 13-Sep-11

Sheet: 1 of 1

RESULTS OF PHC IN WATER ANALYSIS^

Sample I.D.	Unit	F2 Fraction (ppm)	F3 Fraction (ppm)	F4 Fraction (ppm)	F4G (ppm)
29110	mg/L	< 0.5	< 1.0	< 1.0	N/A
29111	mg/L	< 0.5	< 1.0	< 1.0	N/A
29112	mg/L	< 0.5	< 1.0	< 1.0	N/A
29113	mg/L	< 0.5	< 1.0	< 1.0	N/A
29114	mg/L	< 0.5	< 1.0	< 1.0	N/A

LABORATORY QA/QC FOR F2-F4 FRACTIONS

Sample I.D.	Unit	F2 Fraction (ppm)	F3 Fraction (ppm)	F4 Fraction (ppm)	F4G (ppm)
Blank	mg/L	< 0.5	< 1.0	< 1.0	N/A

Diesel Spike	mg/L	8.5
Diesel Spike Target	mg/L	10
Control Standard	mg/L	2400
Control Standard Target	mg/L	2500

^PAH contributions to F2-F4 not subtracted from reported values.

~The method used complies with the Reference Method for the CWS PHC.

*Averaged result of duplicate

Gravimetric heavy hydrocarbons cannot be added to the C6-C50 hydrocarbons.

The chromatogram descended to baseline by the C50 retention time.

Average response factors for C10, C16, C34 were within 10% of each other.

C50 response factor was within 70% of the C10, C16, C34 average response factor.

Linearity of calibration standards was within 15%.

Extraction and analysis holding times for samples were met.

The results reported here relate only to the items tested.

Prepared By: _____
 Kate Campbell, Analyst

Authorization: _____
 Julie McDonald, Laboratory Manager
 Test Report I.D: PHCw22019r1(F2-F4).xls