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September 20, 2010

Mr. Chris Canfield, P.G.
Environmental Protection Specialist
State of Colorado Oil and Gas Conservation Commission
707 Wapiti Ct. Suite 204
Rifle, Colorado 81650

RE: Site Investigation and Remediation Workplan Report Form 27

Dear Mr. Canfield:

HRL Compliance Solutions, Inc. (HCSI) is submitting the Form 27 and applicable attachments on behalf of EnCana Oil and Gas (USA) Inc for closure of 65 blow down pits located in Garfield and Rio Blanco Counties. HCSI is an independent environmental consulting contractor that has been contracted by EnCana to manage the closure of the 65 pits identified within the Form 27 and is working in direct consultation with Mr. Lannie Massey, North Piceance Regulatory Coordinator with EnCana.

If you have any questions, please do not hesitate to contact our office at the above listed number.

Sincerely,

HRL Compliance Solutions, Inc.

Herman Lucero, REM
Principal Consultant

cc: Lannie Massey, EnCana Oil and Gas (USA) Inc
file

enclosure: COGCC Form 27 and attachments

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax:(303)894-2109



FOR OGCC USE ONLY

SITE INVESTIGATION AND REMEDIATION WORKPLAN

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

OGCC Employee:

Spill	Complaint
Inspection	NOAV

Tracking No:

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

Spill or Release Plug & Abandon Central Facility Closure Site/Facility Closure Other (describe): _____

OGCC Operator Number:	Contact Name and Telephone:
Name of Operator:	No:
Address:	Fax:
City: _____ State: _____ Zip: _____	County: _____
API Number: _____	Facility Number: _____
Facility Name: _____	Well Number: _____
Well Name: _____	Location: (QtrQtr, Sec, Twp, Rng, Meridian): _____ Latitude: _____ Longitude: _____

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): _____

Site Conditions: Is location within a sensitive area (according to Rule 901e)? Y N If yes, attach evaluation.

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): _____

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: _____

Potential receptors (water wells within 1/4 mi, surface waters, etc.): _____

Description of Impact (if previously provided, refer to that form or document):

Impacted Media (check):	Extent of Impact:	How Determined:
Soils	_____	_____
Vegetation	_____	_____
Groundwater	_____	_____
Surface Water	_____	_____

REMEDIATION WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document):

Describe how source is to be removed:

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.:

FORM
27
Rev 8/99

State of Colorado
Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801, Denver, Colorado 80203
(303)894-2100 Fax:(303)894-2109



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REMEDIATION WORKPLAN (Cont.)

Tracking Number: _____
Name of Operator: _____
OGCC Operator No: _____
Received Date: _____
Well Name & No: _____
Facility Name & No: _____

OGCC Employee:

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):

See Attachment A

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required.

See Attachment A

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.

Is further site investigation required? Y N If yes, describe: See Attachment A

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):

See Attachment A

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 7/26/2010	Date Site Investigation Completed: 8/13/2010	Date Remediation Plan Submitted: 9/20/2010
Remediation Start Date: TBD	Anticipated Completion Date: TBD	Actual Completion Date: TBD

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Lannie Massey Signed: Lannie Massey

Title: N. Piceance Field Regulatory Coordinator Date: 9-20-2010

OGCC Approved: In Prince for alt. fischer EPS Date: 12/8/2010

Attachment A

Describe initial action taken

All well site information from the COGCC database was reviewed in addition to EnCana Oil and Gas (USA) (EnCana), well files. Based on information from both the COGCC database and EnCana well files it was determined that 65 well sites are to be included for closure consideration under the direction of this COGCC Form 27 (see attached for list of locations).

Of these 65 well sites, 50 (77%) well sites were visited and visually inspected. Of the 50 locations visited, 21 of the pits have partially buried tanks in the pit, 19 of the pits did not have partially buried tanks, and 10 locations did not have pits associated with them. The 19 pits without partially buried tanks were field screened for hydrocarbons in the bottom of the pit using a Petroflag unit. Four of the 19 pits indicate hydrocarbon concentrations below COGCC Table 910-1 allowable standards and soil samples were submitted to an accredited analytical laboratory for confirmation.

EnCana proposes to close all 65 pits based on data from the 50 pits visited, of which 19 pits investigated. Pit locations were selected based on proximity to water source(s) and other sensitive area criteria.

Describe how source is to be removed

Pits with partially buried tanks:

- The well(s) will be temporarily shut in;
- The flow and or dump line will be rerouted to a frac tank;
- The partially buried tank will be removed;
- A new lined secondary containment will be constructed and the tank will be replaced within the new containment;
- The flow and or dump line will be rerouted to the new established tank battery; and
- The well will be put back on-line.

Pits without partially buried tanks:

- If applicable, liquids in the pit will be removed using a vacuum truck;
- The well(s) will be temporarily shut in;
- The flow and or dump line will be rerouted to a frac tank;

- A new lined secondary containment will be constructed and the tank will be replaced within the new containment;
- The flow and or dump line will be rerouted to the new established tank battery; and
- The well will be put back on-line.

Liquids in the pit will be removed using a vac-truck, and the bottom of the pits (19) will be field screened for petroleum hydrocarbons. Pits that exceed COGCC Table 910-1 TPH concentrations will be remediated in accordance with COGCC 900 series rules or BLM COA's. Pits that do not exceed COGCC Table 910-1 TPH concentrations will have a composite soil sample collected from the pit and submitted to an accredited analytical laboratory for confirmation.

Describe how remediation of existing impacts is to be accomplished

Pit bottoms will be field screened for hydrocarbon concentrations using a Petroflag unit.

Pit bottoms that indicate hydrocarbon concentrations do not exceed COGCC Table 910-1 Allowable Standards:

A composite soil sample consisting of 5 individual grab samples collected from the bottom of the pit will be submitted to an accredited analytical laboratory and analyzed for all of the COGCC Table 910-1 contaminants of concern. A background sample will be collected from the location and analyzed for inorganics and arsenic.

Upon confirmation that all contaminants of concern are below COGCC Table 910-1 allowable standards, the pit will be backfilled with clean soil.

Pit bottoms that indicate hydrocarbon concentrations exceed COGCC Table 910-1 Allowable Standards:

The impacted area will be remediated in accordance with COGCC Rules 906e, 909, and 910. Specifically, EnCana will remediate the impacted pits utilizing insitu bioremediation techniques as follows:

- The depth of impacts will be determined;
- Collect initial hydrocarbon concentrations utilizing field screen equipment;
- Treat the pit (hydrocarbon impacted area) with a 3% MicroBlaze® solution;
- Monitor and maintain appropriate moisture and nutrient levels within the impacted area and potentially apply a second treatment of 3% MicroBlaze® solution to the impacted area;

- Collect confirmation soil samples for the complete COGCC Table 910-1 soil suite from the treated area once field screen results indicate hydrocarbon concentrations below COGCC Table 910-1 allowable standards; and
- Provide a Notice of Completion report to the COGCC upon completion of remediation.

If groundwater has been impacted, describe proposed monitoring plan

Groundwater is not anticipated to be impacted or encountered at any of the 65 well sites, however, if groundwater is encountered during closure activities, work will be stopped, groundwater samples will be collected and analyzed for COGCC Table 910-1 groundwater contaminates of concern, and closure activities evaluated based on analytical results.

Describe reclamation plan

The 65 pits proposed for closure under this Form 27, are located on existing/producing well pads. Upon closure of the pits, 45 barrel tanks with secondary containment to 110% of the tank volume will be installed above ground. Pits that are closed will be reclaimed in accordance with COGCC 1000 series rules and regulations for well sites located on Fee land, and in accordance with BLM COA's for well sites located on federal land.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.

Confirmation soil samples will be collected upon treatment of impacted pits and will be provided with Notice of Completion-COGCC Form 4.

EnCana has performed initial field screen sampling on 19 pits. Of the 19 pits field screened, 4 pits were below COGCC Table 910-1 allowable standards. The 4 pits were sampled and submitted to an accredited analytical laboratory for confirmation. The results are attached.

EnCana has attached field screen data, as well as onsite drawings of sample points for all 19 pits that were accessible. Of the 19 pits field screened:

- 4 pits indicate hydrocarbon concentrations <500 ppm; 21%
- 9 pits indicate hydrocarbon concentrations >500 <1500 ppm; 47%
- 6 pits indicate hydrocarbon concentrations >1500 ppm; 32%

Final disposition of E&P waste

Hydrocarbon impacted soil will be treated on-site if allowed, or disposed off-site at an approved disposal facility if on-site treatment is not allowed.

Field Screen Data

No.	Sample ID	Sample Date	Calibration Date	Calibration Temp.	Weight	Time	Reading (ppm)	DF	RF
1	BP 3102	7/27/2010	7/27/2010	32.3 °C	10g	11:00am	>10,000	1	5
2	SDC 7315	7/27/2010	7/27/2010	32.3 °C	10g	1:30pm	1771	1	5
3	SDC 7334	7/28/2010	7/28/2010	23.8°C	10g	9:00am	548	1	5
4	SDC 7303	7/28/2010	7/28/2010	23.8°C	10g	10:15am	1102	1	5
5	FCB 7408	7/28/2010	7/28/2010	23.8°C	10g	11:40am	314	1	5
6	FED 9-14	7/30/2010	7/28/2010	23.8°C	10g	11:30am	2782	1	5
7	DPU 7706	8/3/2010	7/28/2010	23.8°C	10g	11:15am	2596	1	5
8	DPU 7710	8/3/2010	7/28/2010	23.8°C	10g	12:00pm	642	1	5
9	SDC 7316	8/4/2010	8/4/2010	26.5°C	10g	2:15pm	3267	1	5
10	RC 7001	8/4/2010	8/4/2010	26.5°C	10g	3:15pm	1002	1	5
11	T 7503	8/4/2010	8/4/2010	26.5°C	10g	10:15am	517	1	5
12	EC 7602	8/4/2010	8/4/2010	26.5°C	10g	11:30am	646	1	5
13	DF 35-1	8/4/2010	8/4/2010	26.5°C	10g	9:15am	242	1	5
14	CF A-20-3S-101W	8/4/2010	8/4/2010	26.5°C	10g	2:00pm	441	1	5
15	CF 22-2	8/5/2010	8/4/2010	26.5°C	10g	10:15am	503	1	5
16	GOV 1-3	8/5/2010	8/4/2010	26.5°C	10g	12:00pm	243	1	5
17	FC 7414	8/5/2010	8/4/2010	26.5°C	10g	2:15	1804	1	5
18	SDC 7302	8/9/2010	8/4/2010	26.5°C	10g	10:30am	760	1	5
19	DP 7712	8/9/2010	8/4/2010	26.5°C	10g	4:10pm	1144	1	5



15-Aug-2010

Herman Lucero
HRL Compliance Solutions
744 Horizon Ct. Suite 140
Grand Junction, CO 81506

Re: **Encana Pit Closure 10-418 8/6/10**

Work Order: **1008211**

Dear Herman,

ALS Laboratory Group received 4 samples on 09-Aug-2010 10:10 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 27.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Ann Preston".

Electronically approved by: Ann Preston

Ann Preston
Project Manager



Certificate No: IL100452

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185

D O V H U R X S # C V D / P R U S # S d u n # C i h k h D O V # D e r u w u j # J u c x s # D # d p s e h a E u r w k h u v # D p l h g # F r p s d q |

ALS Laboratory Group

Date: 15-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure 10-418 8/6/10
Work Order: 1008211

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1008211-01	Federal 22-2	Soil		8/6/2010 10:30	8/9/2010 10:10	<input type="checkbox"/>
1008211-02	Federal 22-2 Background	Soil		8/6/2010 10:30	8/9/2010 10:10	<input type="checkbox"/>
1008211-03	1-3 Gov	Soil		8/6/2010 12:00	8/9/2010 10:10	<input type="checkbox"/>
1008211-04	1-3 Gov Background	Soil		8/6/2010 12:00	8/9/2010 10:10	<input type="checkbox"/>

Client: HRL Compliance Solutions
Project: Encana Pit Closure 10-418 8/6/10
Work Order: 1008211

Case Narrative

Batch 28569 MSD recovery for Arsenic was just slightly below control limits. Both the MS recovery for Arsenic and the RPD between the MS and MSD met quality control criteria.

Batch 28598 LCS/LCSD recoveries for the Semi-volatiles' surrogate 2-Fluorobiphenyl were below control limits. The other 2 surrogates met quality control criteria. The Semi-Volatile MS/MSD data is not related to this project's samples.

ALS Laboratory Group

Date: 15-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure 10-418 8/6/10
WorkOrder: 1008211

QUALIFIERS, ACRONYMS, UNITS

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
µg/Kg-dry	Micrograms per Kilogram Dry Weight
mg/Kg-dry	Milligrams per Kilogram Dry Weight

ALS Laboratory Group

Date: 15-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure 10-418 8/6/10 **Work Order:** 1008211
Sample ID: Federal 22-2 **Lab ID:** 1008211-01
Collection Date: 8/6/2010 10:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M		Prep Date: 8/10/2010	Analyst: RM
ERO (C8-C36)	110	5.4	mg/Kg-dry	1	8/11/2010	
Surr: 4-Terphenyl-d14	92.6	30-125	%REC	1	8/11/2010	
GASOLINE RANGE ORGANICS BY GC-FID			SW8015			Analyst: RM
GRO (C5-C12)	ND	2,700	µg/Kg-dry	100	8/12/2010	
Surr: Toluene-d8	111	50-150	%REC	100	8/12/2010	
MERCURY BY CVAA			SW7471		Prep Date: 8/12/2010	Analyst: RB
Mercury	ND	0.019	mg/Kg-dry	1	8/12/2010 05:18 PM	
METALS BY ICP-MS			SW6020A		Prep Date: 8/10/2010	Analyst: CES
Arsenic	3.2	0.53	mg/Kg-dry	1	8/10/2010 03:08 PM	
Barium	360	5.3	mg/Kg-dry	10	8/10/2010 06:01 PM	
Cadmium	0.46	0.21	mg/Kg-dry	1	8/10/2010 03:08 PM	
Chromium	6.2	0.53	mg/Kg-dry	1	8/10/2010 03:08 PM	
Copper	11	0.53	mg/Kg-dry	1	8/10/2010 03:08 PM	
Lead	14	0.53	mg/Kg-dry	1	8/10/2010 03:08 PM	
Nickel	11	0.53	mg/Kg-dry	1	8/10/2010 03:08 PM	
Selenium	0.40	0.21	mg/Kg-dry	1	8/10/2010 03:08 PM	
Silver	0.074	0.021	mg/Kg-dry	1	8/10/2010 03:08 PM	
Zinc	57	1.1	mg/Kg-dry	1	8/10/2010 03:08 PM	
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS) - SIM			SW8270M		Prep Date: 8/10/2010	Analyst: HL
1-Methylnaphthalene	ND	11	µg/Kg-dry	1	8/12/2010 08:17 AM	
2-Methylnaphthalene	ND	11	µg/Kg-dry	1	8/12/2010 08:17 AM	
Acenaphthene	ND	5.4	µg/Kg-dry	1	8/12/2010 08:17 AM	
Acenaphthylene	ND	16	µg/Kg-dry	1	8/12/2010 08:17 AM	
Anthracene	ND	11	µg/Kg-dry	1	8/12/2010 08:17 AM	
Benzo(a)anthracene	ND	11	µg/Kg-dry	1	8/12/2010 08:17 AM	
Benzo(a)pyrene	ND	11	µg/Kg-dry	1	8/12/2010 08:17 AM	
Benzo(b)fluoranthene	ND	22	µg/Kg-dry	1	8/12/2010 08:17 AM	
Benzo(b-k)fluoranthene	ND	22	µg/Kg-dry	1	8/12/2010 08:17 AM	
Benzo(e)pyrene	ND	11	µg/Kg-dry	1	8/12/2010 08:17 AM	
Benzo(g,h,i)perylene	ND	11	µg/Kg-dry	1	8/12/2010 08:17 AM	
Benzo(k)fluoranthene	ND	22	µg/Kg-dry	1	8/12/2010 08:17 AM	
Chrysene	ND	5.4	µg/Kg-dry	1	8/12/2010 08:17 AM	
Dibenzo(a,h)anthracene	ND	11	µg/Kg-dry	1	8/12/2010 08:17 AM	
Fluoranthene	ND	16	µg/Kg-dry	1	8/12/2010 08:17 AM	
Fluorene	ND	11	µg/Kg-dry	1	8/12/2010 08:17 AM	
Indeno(1,2,3-cd)pyrene	ND	11	µg/Kg-dry	1	8/12/2010 08:17 AM	
Naphthalene	ND	16	µg/Kg-dry	1	8/12/2010 08:17 AM	

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Laboratory Group

Date: 15-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure 10-418 8/6/10
Sample ID: Federal 22-2
Collection Date: 8/6/2010 10:30 AM

Work Order: 1008211
Lab ID: 1008211-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Perylene	ND		11	µg/Kg-dry	1	8/12/2010 08:17 AM
Phenanthrene	ND		27	µg/Kg-dry	1	8/12/2010 08:17 AM
Phenol	ND		5.4	µg/Kg-dry	1	8/12/2010 08:17 AM
Pyrene	ND		16	µg/Kg-dry	1	8/12/2010 08:17 AM
Surr: 2-Fluorobiphenyl	25.0	S	45-105	%REC	1	8/12/2010 08:17 AM
Surr: 4-Terphenyl-d14	65.0		30-125	%REC	1	8/12/2010 08:17 AM
Surr: Nitrobenzene-d5	44.8		35-100	%REC	1	8/12/2010 08:17 AM
VOLATILE ORGANIC COMPOUNDS		SW8260		Analyst: CW		
Benzene	ND		19	µg/Kg-dry	100	8/12/2010 05:14 PM
Ethylbenzene	ND		13	µg/Kg-dry	100	8/12/2010 05:14 PM
m,p-Xylene	ND		17	µg/Kg-dry	100	8/12/2010 05:14 PM
o-Xylene	ND		13	µg/Kg-dry	100	8/12/2010 05:14 PM
Toluene	ND		13	µg/Kg-dry	100	8/12/2010 05:14 PM
Xylenes, Total	ND		30	µg/Kg-dry	100	8/12/2010 05:14 PM
MOISTURE		A2540 B		Analyst: JJG		
Moisture	8.2		0.010	% of sample	1	8/9/2010 10:23 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Laboratory Group**Date:** 15-Aug-10**Client:** HRL Compliance Solutions**Project:** Encana Pit Closure 10-418 8/6/10**Work Order:** 1008211**Sample ID:** Federal 22-2 Background**Lab ID:** 1008211-02**Collection Date:** 8/6/2010 10:30 AM**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS						
Arsenic	2.6		SW6020A 0.48	mg/Kg-dry	1	Prep Date: 8/10/2010 Analyst: CES 8/10/2010 03:26 PM
MOISTURE						
Moisture	6.4		A2540 B 0.010	% of sample	1	Analyst: JJG 8/10/2010 11:49 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Laboratory Group

Date: 15-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure 10-418 8/6/10
Sample ID: 1-3 Gov
Collection Date: 8/6/2010 12:00 PM

Work Order: 1008211
Lab ID: 1008211-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M			
ERO (C8-C36)	84		6.2	mg/Kg-dry	1	8/11/2010
Surr: 4-Terphenyl-d14	114		30-125	%REC	1	8/11/2010
GASOLINE RANGE ORGANICS BY GC-FID			SW8015			Analyst: RM
GRO (C5-C12)	ND		3,200	µg/Kg-dry	100	8/12/2010
Surr: Toluene-d8	94.9		50-150	%REC	100	8/12/2010
METALS BY ICP-MS			SW6020A		Prep Date: 8/10/2010	Analyst: CES
Arsenic	3.3		0.62	mg/Kg-dry	1	8/10/2010 03:31 PM
Barium	190		0.62	mg/Kg-dry	1	8/10/2010 03:31 PM
Cadmium	0.42		0.25	mg/Kg-dry	1	8/10/2010 03:31 PM
Chromium	9.6		0.62	mg/Kg-dry	1	8/10/2010 03:31 PM
Copper	21		0.62	mg/Kg-dry	1	8/10/2010 03:31 PM
Lead	17		0.62	mg/Kg-dry	1	8/10/2010 03:31 PM
Nickel	15		0.62	mg/Kg-dry	1	8/10/2010 03:31 PM
Selenium	0.44		0.25	mg/Kg-dry	1	8/10/2010 03:31 PM
Silver	0.13		0.025	mg/Kg-dry	1	8/10/2010 03:31 PM
Zinc	61		1.2	mg/Kg-dry	1	8/10/2010 03:31 PM
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS) - SIM			SW8270M		Prep Date: 8/10/2010	Analyst: HL
1-Methylnaphthalene	ND		13	µg/Kg-dry	1	8/12/2010 07:20 AM
2-Methylnaphthalene	ND		13	µg/Kg-dry	1	8/12/2010 07:20 AM
Acenaphthene	ND		6.3	µg/Kg-dry	1	8/12/2010 07:20 AM
Acenaphthylene	ND		19	µg/Kg-dry	1	8/12/2010 07:20 AM
Anthracene	ND		13	µg/Kg-dry	1	8/12/2010 07:20 AM
Benzo(a)anthracene	ND		13	µg/Kg-dry	1	8/12/2010 07:20 AM
Benzo(a)pyrene	ND		13	µg/Kg-dry	1	8/12/2010 07:20 AM
Benzo(b)fluoranthene	ND		25	µg/Kg-dry	1	8/12/2010 07:20 AM
Benzo(b-k)fluoranthene	ND		25	µg/Kg-dry	1	8/12/2010 07:20 AM
Benzo(e)pyrene	ND		13	µg/Kg-dry	1	8/12/2010 07:20 AM
Benzo(g,h,i)perylene	ND		13	µg/Kg-dry	1	8/12/2010 07:20 AM
Benzo(k)fluoranthene	ND		25	µg/Kg-dry	1	8/12/2010 07:20 AM
Chrysene	ND		6.3	µg/Kg-dry	1	8/12/2010 07:20 AM
Dibenzo(a,h)anthracene	ND		13	µg/Kg-dry	1	8/12/2010 07:20 AM
Fluoranthene	ND		19	µg/Kg-dry	1	8/12/2010 07:20 AM
Fluorene	ND		13	µg/Kg-dry	1	8/12/2010 07:20 AM
Indeno(1,2,3-cd)pyrene	ND		13	µg/Kg-dry	1	8/12/2010 07:20 AM
Naphthalene	ND		19	µg/Kg-dry	1	8/12/2010 07:20 AM
Perylene	ND		13	µg/Kg-dry	1	8/12/2010 07:20 AM
Phenanthrene	ND		31	µg/Kg-dry	1	8/12/2010 07:20 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Laboratory Group**Date:** 15-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure 10-418 8/6/10
Sample ID: 1-3 Gov
Collection Date: 8/6/2010 12:00 PM

Work Order: 1008211
Lab ID: 1008211-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Phenol	ND		6.3	µg/Kg-dry	1	8/12/2010 07:20 AM
Pyrene	ND		19	µg/Kg-dry	1	8/12/2010 07:20 AM
Surr: 2-Fluorobiphenyl	36.4	S	45-105	%REC	1	8/12/2010 07:20 AM
Surr: 4-Terphenyl-d14	121		30-125	%REC	1	8/12/2010 07:20 AM
Surr: Nitrobenzene-d5	60.6		35-100	%REC	1	8/12/2010 07:20 AM
VOLATILE ORGANIC COMPOUNDS		SW8260			Analyst: CW	
Benzene	ND		22	µg/Kg-dry	100	8/12/2010 05:41 PM
Ethylbenzene	ND		15	µg/Kg-dry	100	8/12/2010 05:41 PM
m,p-Xylene	ND		20	µg/Kg-dry	100	8/12/2010 05:41 PM
o-Xylene	ND		15	µg/Kg-dry	100	8/12/2010 05:41 PM
Toluene	ND		15	µg/Kg-dry	100	8/12/2010 05:41 PM
Xylenes, Total	ND		35	µg/Kg-dry	100	8/12/2010 05:41 PM
MOISTURE		A2540 B			Analyst: JJG	
Moisture	21		0.010	% of sample	1	8/9/2010 10:23 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Laboratory Group

Date: 15-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure 10-418 8/6/10 **Work Order:** 1008211
Sample ID: 1-3 Gov Background **Lab ID:** 1008211-04
Collection Date: 8/6/2010 12:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS						
Arsenic	2.8		SW6020A 0.48	mg/Kg-dry	1	Prep Date: 8/10/2010 Analyst: CES 8/10/2010 03:37 PM
MOISTURE						
Moisture	2.3		A2540 B 0.010	% of sample	1	Analyst: JJG 8/10/2010 11:49 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Laboratory Group

Date: 15-Aug-10

Client: HRL Compliance Solutions
Work Order: 1008211
Project: Encana Pit Closure 10-418 8/6/10

QC BATCH REPORT

Batch ID: 28597		Instrument ID GC8		Method: SW8015M								
MBLK	Sample ID: DBLKS1-28597-28597							Units: mg/Kg		Analysis Date: 8/11/2010		
Client ID:	Run ID: GC8_100811A				SeqNo: 1385978		Prep Date: 8/10/2010		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
ERO (C8-C36) Surr: 4-Terphenyl-d14	ND 2.409	5.0 0	2	0	120	30-125	0					
LCS	Sample ID: DLCSS1-28597-28597							Units: mg/Kg		Analysis Date: 8/11/2010		
Client ID:	Run ID: GC8_100811A				SeqNo: 1385980		Prep Date: 8/10/2010		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
ERO (C8-C36) Surr: 4-Terphenyl-d14	296.4 1.315	5.0 0	400 2	0 0	74.1 65.7	60-130 30-125	0 0					
LCSD	Sample ID: DLCSDS1-28597-28597							Units: mg/Kg		Analysis Date: 8/11/2010		
Client ID:	Run ID: GC8_100811A				SeqNo: 1385979		Prep Date: 8/10/2010		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
ERO (C8-C36) Surr: 4-Terphenyl-d14	273.6 1.372	5.0 0	400 2	0 0	68.4 68.6	60-130 30-125	296.4 1.315	7.99 4.22	30 30			
MS	Sample ID: 1008229-01A MS							Units: mg/Kg		Analysis Date: 8/11/2010		
Client ID:	Run ID: GC8_100811A				SeqNo: 1385975		Prep Date: 8/10/2010		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
ERO (C8-C36) Surr: 4-Terphenyl-d14	408 1.215	5.0 0	397 1.985	165.5 0	61.1 61.2	60-130 30-125	0 0					
MSD	Sample ID: 1008229-01A MSD							Units: mg/Kg		Analysis Date: 8/11/2010		
Client ID:	Run ID: GC8_100811A				SeqNo: 1385976		Prep Date: 8/10/2010		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
ERO (C8-C36) Surr: 4-Terphenyl-d14	430.3 1.395	5.0 0	397.3 1.987	165.5 0	66.6 70.2	60-130 30-125	408 1.215	5.32 13.8	30 30			

The following samples were analyzed in this batch:

1008211-01A 1008211-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008211
Project: Encana Pit Closure 10-418 8/6/10

QC BATCH REPORT

Batch ID: **R79955** Instrument ID **GC6** Method: **SW8015**

MBLK Sample ID: MB-R79955-R79955				Units: µg/L		Analysis Date: 8/12/2010				
Client ID:		Run ID: GC6_100812A		SeqNo: 1385467		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C5-C12)	ND	200								
<i>Surr: Toluene-d8</i>	22.69	0	20	0	113	70-130				
LCS Sample ID: LCS-R79955-R79955					Units: µg/L		Analysis Date: 8/12/2010			
Client ID:	Run ID: GC6_100812A		SeqNo: 1385468		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C5-C12)	22450	200	25000	0	89.8	70-130				
<i>Surr: Toluene-d8</i>	17.22	0	20	0	86.1	70-130				
LCSD Sample ID: LCSD-R79955-R79955					Units: µg/L		Analysis Date: 8/12/2010			
Client ID:	Run ID: GC6_100812A		SeqNo: 1385470		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C5-C12)	23350	200	25000	0	93.4	70-130	22450	3.95	30	
<i>Surr: Toluene-d8</i>	17.65	0	20	0	88.3	70-130	17.22	2.48	30	

The following samples were analyzed in this batch:

1008211-01B 1008211-03B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008211
Project: Encana Pit Closure 10-418 8/6/10

QC BATCH REPORT

Batch ID: **28640** Instrument ID **HG1** Method: **SW7471**

MBLK Sample ID: MBLK-28640-28640				Units: mg/Kg			Analysis Date: 8/12/2010 04:50 PM			
Client ID:		Run ID: HG1_100812B		SeqNo: 1386412		Prep Date: 8/12/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND		0.020							
LCS Sample ID: LCS-28640-28640				Units: mg/Kg			Analysis Date: 8/12/2010 05:49 PM			
Client ID:		Run ID: HG1_100812B		SeqNo: 1386464		Prep Date: 8/12/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1703	0.020	0.1665	0	102	80-120		0		
LCSD Sample ID: LCSD-28640-28640				Units: mg/Kg			Analysis Date: 8/12/2010 05:51 PM			
Client ID:		Run ID: HG1_100812B		SeqNo: 1386465		Prep Date: 8/12/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1698	0.020	0.1665	0	102	80-120	0.1703	0.294	20	
MS Sample ID: 1008211-01A MS				Units: mg/Kg			Analysis Date: 8/12/2010 05:20 PM			
Client ID: Federal 22-2		Run ID: HG1_100812B		SeqNo: 1386424		Prep Date: 8/12/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1793	0.018	0.1496	0.01572	109	75-125		0		
MSD Sample ID: 1008211-01A MSD				Units: mg/Kg			Analysis Date: 8/12/2010 05:22 PM			
Client ID: Federal 22-2		Run ID: HG1_100812B		SeqNo: 1386425		Prep Date: 8/12/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1764	0.018	0.1489	0.01572	108	75-125	0.1793	1.62	35	

The following samples were analyzed in this batch:

1008211-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008211
Project: Encana Pit Closure 10-418 8/6/10

QC BATCH REPORT

Batch ID: **28569** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK	Sample ID: MBLK-28569-28569			Units: mg/Kg		Analysis Date: 8/10/2010 12:26 PM				
Client ID:	Run ID: ICPMS1_100810A			SeqNo: 1383926		Prep Date: 8/10/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	0.01014	0.25								J
Cadmium	0.01872	0.10								J
Chromium	0.005225	0.25								J
Copper	ND	0.25								
Lead	ND	0.25								
Nickel	0.00622	0.25								J
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

LCS	Sample ID: LCS-28569-28569			Units: mg/Kg		Analysis Date: 8/10/2010 12:32 PM				
Client ID:	Run ID: ICPMS1_100810A			SeqNo: 1383927		Prep Date: 8/10/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	2.144	0.25	2.5	0	85.8	80-120	0	0		
Barium	2.436	0.25	2.5	0	97.5	80-120	0	0		
Cadmium	2.216	0.10	2.5	0	88.7	80-120	0	0		
Chromium	2.408	0.25	2.5	0	96.3	80-120	0	0		
Copper	2.456	0.25	2.5	0	98.3	80-120	0	0		
Lead	2.393	0.25	2.5	0	95.7	80-120	0	0		
Nickel	2.429	0.25	2.5	0	97.2	80-120	0	0		
Selenium	2.198	0.25	2.5	0	87.9	80-120	0	0		
Silver	2.374	0.25	2.5	0	95	80-120	0	0		
Zinc	2.128	0.50	2.5	0	85.1	80-120	0	0		

LCSD	Sample ID: LCSD-28569-28569			Units: mg/Kg		Analysis Date: 8/10/2010 12:38 PM				
Client ID:	Run ID: ICPMS1_100810A			SeqNo: 1383928		Prep Date: 8/10/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	2.146	0.25	2.5	0	85.9	80-120	2.144	0.117	20	
Barium	2.471	0.25	2.5	0	98.8	80-120	2.436	1.41	20	
Cadmium	2.245	0.10	2.5	0	89.8	80-120	2.216	1.28	20	
Chromium	2.435	0.25	2.5	0	97.4	80-120	2.408	1.09	20	
Copper	2.49	0.25	2.5	0	99.6	80-120	2.456	1.35	20	
Lead	2.421	0.25	2.5	0	96.8	80-120	2.393	1.16	20	
Nickel	2.488	0.25	2.5	0	99.5	80-120	2.429	2.4	20	
Selenium	2.193	0.25	2.5	0	87.7	80-120	2.198	0.228	20	
Silver	2.412	0.25	2.5	0	96.5	80-120	2.374	1.59	20	
Zinc	2.2	0.50	2.5	0	88	80-120	2.128	3.37	20	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008211
Project: Encana Pit Closure 10-418 8/6/10

QC BATCH REPORT

Batch ID: **28569** Instrument ID **ICPMS1** Method: **SW6020A**

MS	Sample ID: 1008170-01A MS				Units: mg/Kg		Analysis Date: 8/10/2010 01:53 PM			
Client ID:	Run ID: ICPMS1_100810A			SeqNo: 1383937		Prep Date: 8/10/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.585	0.48	4.785	0.6373	82.5	80-120		0		
Barium	11.8	0.48	4.785	6.816	104	80-120		0		
Cadmium	4.271	0.19	4.785	0.05327	88.1	80-120		0		
Chromium	6.234	0.48	4.785	1.75	93.7	80-120		0		
Copper	5.056	0.48	4.785	0.5268	94.6	80-120		0		
Lead	6.591	0.48	4.785	1.974	96.5	80-120		0		
Nickel	6.605	0.48	4.785	2.096	94.2	80-120		0		
Selenium	4.049	0.48	4.785	0.02034	84.2	80-120		0		
Silver	4.371	0.48	4.785	0.00261	91.3	80-120		0		
Zinc	10.55	0.96	4.785	6.623	82	80-120		0		

MSD	Sample ID: 1008170-01A MSD				Units: mg/Kg		Analysis Date: 8/10/2010 01:59 PM			
Client ID:	Run ID: ICPMS1_100810A			SeqNo: 1383938		Prep Date: 8/10/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.565	0.48	4.776	0.6373	82.3	80-120	4.585	0.421	25	
Barium	11.41	0.48	4.776	6.816	96.3	80-120	11.8	3.32	25	
Cadmium	4.149	0.19	4.776	0.05327	85.8	80-120	4.271	2.89	25	
Chromium	6.088	0.48	4.776	1.75	90.8	80-120	6.234	2.38	25	
Copper	4.92	0.48	4.776	0.5268	92	80-120	5.056	2.72	25	
Lead	6.311	0.48	4.776	1.974	90.8	80-120	6.591	4.34	25	
Nickel	6.521	0.48	4.776	2.096	92.7	80-120	6.605	1.27	25	
Selenium	4.039	0.48	4.776	0.02034	84.2	80-120	4.049	0.238	25	
Silver	4.196	0.48	4.776	0.00261	87.8	80-120	4.371	4.1	25	
Zinc	10.41	0.96	4.776	6.623	79.3	80-120	10.55	1.29	25	S

The following samples were analyzed in this batch:

1008211-01A	1008211-02A	1008211-03A
1008211-04A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008211
Project: Encana Pit Closure 10-418 8/6/10

QC BATCH REPORT

Batch ID: **28598** Instrument ID **SVMS4** Method: **SW8270M**

Analyte	Result	PQL	SPK Val	Units: µg/Kg		Analysis Date: 8/12/2010 11:30 AM			
				SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit
1-Methylnaphthalene	ND		10						
2-Methylnaphthalene	ND		10						
Acenaphthene	ND		5.0						
Acenaphthylene	ND		15						
Anthracene	ND		10						
Benzo(a)anthracene	ND		10						
Benzo(a)pyrene	ND		10						
Benzo(b)fluoranthene	ND		20						
Benzo(b-k)fluoranthene	ND		20						
Benzo(e)pyrene	ND		10						
Benzo(g,h,i)perylene	ND		10						
Benzo(k)fluoranthene	ND		20						
Chrysene	ND		5.0						
Dibenzo(a,h)anthracene	ND		10						
Fluoranthene	ND		15						
Fluorene	ND		10						
Indeno(1,2,3-cd)pyrene	ND		10						
Naphthalene	ND		15						
Perylene	ND		10						
Phenanthren	ND		25						
Phenol	ND		5.0						
Pyrene	ND		15						
<i>Surr: 2-Fluorobiphenyl</i>	117	0	166.7	0	70.2	45-105	0		
<i>Surr: 4-Terphenyl-d14</i>	112	0	166.7	0	67.2	30-125	0		
<i>Surr: Nitrobenzene-d5</i>	116.3	0	166.7	0	69.8	35-100	0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008211
Project: Encana Pit Closure 10-418 8/6/10

QC BATCH REPORT

Batch ID: **28598** Instrument ID **SVMS4** Method: **SW8270M**

LCS	Sample ID: SLCSS1-28598-28598			Units: µg/Kg			Analysis Date: 8/12/2010 05:25 AM			
Client ID:	Run ID: SVMS4_100811A			SeqNo: 1385857			Prep Date: 8/10/2010		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	52.67	10	66.67	0	79	50-110	0	0		
Acenaphthene	33.33	5.0	66.67	0	50	35-110	0	0		
Acenaphthylene	50.33	15	66.67	0	75.5	35-115	0	0		
Anthracene	59.33	10	66.67	0	89	45-125	0	0		
Benzo(a)anthracene	59	10	66.67	0	88.5	50-105	0	0		
Benzo(a)pyrene	73	10	66.67	0	110	40-135	0	0		
Benzo(b)fluoranthene	52	20	66.67	0	78	55-120	0	0		
Benzo(b-k)fluoranthene	102	20	133.3	0	76.5	55-120	0	0		
Benzo(g,h,i)perylene	58	10	66.67	0	87	55-115	0	0		
Benzo(k)fluoranthene	68	20	66.67	0	102	55-120	0	0		
Chrysene	65.33	5.0	66.67	0	98	55-120	0	0		
Dibenzo(a,h)anthracene	60	10	66.67	0	90	45-115	0	0		
Fluoranthene	64.33	15	66.67	0	96.5	40-135	0	0		
Fluorene	54.33	10	66.67	0	81.5	45-105	0	0		
Indeno(1,2,3-cd)pyrene	58.33	10	66.67	0	87.5	55-135	0	0		
Naphthalene	51	15	66.67	0	76.5	50-110	0	0		
Phenanthrene	57.33	25	66.67	0	86	55-125	0	0		
Phenol	58.67	5.0	66.67	0	88	40-110	0	0		
Pyrene	54.33	15	66.67	0	81.5	50-115	0	0		
Surr: 2-Fluorobiphenyl	67.33	0	166.7	0	40.4	45-105	0			S
Surr: 4-Terphenyl-d14	165.7	0	166.7	0	99.4	30-125	0			
Surr: Nitrobenzene-d5	123	0	166.7	0	73.8	35-100	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008211
Project: Encana Pit Closure 10-418 8/6/10

QC BATCH REPORT

Batch ID: **28598** Instrument ID **SVMS4** Method: **SW8270M**

LCSD	Sample ID: SLCSDS1-28598-28598			Units: µg/Kg			Analysis Date: 8/12/2010 06:04 AM			
	Client ID:	Run ID: SVMS4_100811A		SeqNo: 1385858		Prep Date: 8/10/2010	DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	50.67	10	66.67	0	76	50-110	52.67	3.87	40	
Acenaphthene	29.33	5.0	66.67	0	44	35-110	33.33	12.8	40	
Acenaphthylene	45.67	15	66.67	0	68.5	35-115	50.33	9.72	40	
Anthracene	54.67	10	66.67	0	82	45-125	59.33	8.19	40	
Benzo(a)anthracene	60.67	10	66.67	0	91	50-105	59	2.79	40	
Benzo(a)pyrene	72	10	66.67	0	108	40-135	73	1.38	40	
Benzo(b)fluoranthene	52	20	66.67	0	78	55-120	52	0	40	
Benzo(b-k)fluoranthene	122.3	20	133.3	0	91.8	55-120	102	18.1	40	
Benzo(g,h,i)perylene	58.33	10	66.67	0	87.5	55-115	58	0.573	40	
Benzo(k)fluoranthene	70.33	20	66.67	0	106	55-120	68	3.37	40	
Chrysene	67.67	5.0	66.67	0	102	55-120	65.33	3.51	40	
Dibenzo(a,h)anthracene	60	10	66.67	0	90	45-115	60	0	40	
Fluoranthene	61.33	15	66.67	0	92	40-135	64.33	4.77	40	
Fluorene	51	10	66.67	0	76.5	45-105	54.33	6.33	40	
Indeno(1,2,3-cd)pyrene	58.33	10	66.67	0	87.5	55-135	58.33	0	40	
Naphthalene	54.67	15	66.67	0	82	50-110	51	6.94	40	
Phenanthrene	53	25	66.67	0	79.5	55-125	57.33	7.85	40	
Phenol	62	5.0	66.67	0	93	40-110	58.67	5.52	40	
Pyrene	54.33	15	66.67	0	81.5	50-115	54.33	0	40	
<i>Surr: 2-Fluorobiphenyl</i>	58	0	166.7	0	34.8	45-105	67.33	14.9	40	S
<i>Surr: 4-Terphenyl-d14</i>	174.3	0	166.7	0	105	30-125	165.7	5.1	40	
<i>Surr: Nitrobenzene-d5</i>	115.3	0	166.7	0	69.2	35-100	123	6.43	40	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008211
Project: Encana Pit Closure 10-418 8/6/10

QC BATCH REPORT

Batch ID: **28598** Instrument ID **SVMS4** Method: **SW8270M**

MS	Sample ID: 1008229-01A MS			Units: µg/Kg		Analysis Date: 8/12/2010 09:33 AM				
Client ID:	Run ID: SVMS4_100811A			SeqNo: 1385862		Prep Date: 8/10/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	31.67	9.9	65.99	8.331	35.4	50-110	0	0		S
Acenaphthene	30.02	4.9	65.99	0	45.5	35-110	0	0		
Acenaphthylene	47.51	15	65.99	0	72	35-115	0	0		
Anthracene	65.33	9.9	65.99	0	99	45-125	0	0		
Benzo(a)anthracene	34.31	9.9	65.99	6.665	41.9	50-105	0	0		S
Benzo(a)pyrene	74.9	9.9	65.99	6.998	103	40-135	0	0		
Benzo(b)fluoranthene	72.26	20	65.99	2.333	106	55-120	0	0		
Benzo(b-k)fluoranthene	146.2	20	132	2.333	109	55-120	0	0		
Benzo(g,h,i)perylene	40.91	9.9	65.99	0	62	55-115	0	0		
Benzo(k)fluoranthene	73.91	20	65.99	0	112	55-120	0	0		
Chrysene	58.4	4.9	65.99	0	88.5	55-120	0	0		
Dibenzo(a,h)anthracene	42.89	9.9	65.99	0	65	45-115	0	0		
Fluoranthene	67.64	15	65.99	0.9997	101	40-135	0	0		
Fluorene	60.05	9.9	65.99	2.333	87.5	45-105	0	0		
Indeno(1,2,3-cd)pyrene	41.57	9.9	65.99	0	63	55-135	0	0		
Naphthalene	41.9	15	65.99	2.999	59	50-110	0	0		
Phenanthrene	63.68	25	65.99	2.999	92	55-125	0	0		
Phenol	49.82	4.9	65.99	1.666	73	40-110	0	0		
Pyrene	39.92	15	65.99	3.332	55.4	50-115	0	0		
<i>Surr: 2-Fluorobiphenyl</i>	57.41	0	165	0	34.8	45-105	0	0		S
<i>Surr: 4-Terphenyl-d14</i>	101.6	0	165	0	61.6	30-125	0	0		
<i>Surr: Nitrobenzene-d5</i>	92.05	0	165	0	55.8	35-100	0	0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008211
Project: Encana Pit Closure 10-418 8/6/10

QC BATCH REPORT

Batch ID: **28598** Instrument ID **SVMS4** Method: **SW8270M**

MSD	Sample ID: 1008229-01A MSD			Units: µg/Kg			Analysis Date: 8/12/2010 10:12 AM			
	Client ID:	Run ID: SVMS4_100811A		SeqNo: 1385863		Prep Date: 8/10/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	44.87	9.9	65.99	8.331	55.4	50-110	31.67	34.5	40	
Acenaphthene	87.44	4.9	65.99	0	133	35-110	30.02	97.8	40	SR
Acenaphthylene	62.36	15	65.99	0	94.5	35-115	47.51	27	40	
Anthracene	67.64	9.9	65.99	0	103	45-125	65.33	3.48	40	
Benzo(a)anthracene	35.31	9.9	65.99	6.665	43.4	50-105	34.31	2.85	40	S
Benzo(a)pyrene	77.54	9.9	65.99	6.998	107	40-135	74.9	3.47	40	
Benzo(b)fluoranthene	78.86	20	65.99	2.333	116	55-120	72.26	8.74	40	
Benzo(b-k)fluoranthene	160.7	20	132	2.333	120	55-120	146.2	9.47	40	
Benzo(g,h,i)perylene	43.88	9.9	65.99	0	66.5	55-115	40.91	7.01	40	
Benzo(k)fluoranthene	81.83	20	65.99	0	124	55-120	73.91	10.2	40	S
Chrysene	57.41	4.9	65.99	0	87	55-120	58.4	1.7	40	
Dibenzo(a,h)anthracene	46.85	9.9	65.99	0	71	45-115	42.89	8.83	40	
Fluoranthene	61.04	15	65.99	0.9997	91	40-135	67.64	10.2	40	
Fluorene	73.25	9.9	65.99	2.333	107	45-105	60.05	19.8	40	S
Indeno(1,2,3-cd)pyrene	43.55	9.9	65.99	0	66	55-135	41.57	4.66	40	
Naphthalene	50.15	15	65.99	2.999	71.5	50-110	41.9	17.9	40	
Phenanthere	63.68	25	65.99	2.999	92	55-125	63.68	0.0066	40	
Phenol	55.43	4.9	65.99	1.666	81.5	40-110	49.82	10.7	40	
Pyrene	48.17	15	65.99	3.332	68	50-115	39.92	18.7	40	
<i>Surr: 2-Fluorobiphenyl</i>	68.96	0	165	0	41.8	45-105	57.41	18.3	40	S
<i>Surr: 4-Terphenyl-d14</i>	109.9	0	165	0	66.6	30-125	101.6	7.81	40	
<i>Surr: Nitrobenzene-d5</i>	98.99	0	165	0	60	35-100	92.05	7.26	40	

The following samples were analyzed in this batch:

1008211-01A 1008211-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 10 of 14

Client: HRL Compliance Solutions
Work Order: 1008211
Project: Encana Pit Closure 10-418 8/6/10

QC BATCH REPORT

Batch ID: **R79964** Instrument ID **VMS6** Method: **SW8260**

MBLK	Sample ID: VBLKW1-100812-R79964			Units: µg/L		Analysis Date: 8/12/2010 11:30 AM		
Client ID:	Run ID: VMS6_100812A			SeqNo: 1386402	Prep Date:	DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Benzene	ND	1.0						
Ethylbenzene	ND	1.0						
m,p-Xylene	ND	2.0						
o-Xylene	ND	1.0						
Toluene	ND	1.0						
Xylenes, Total	ND	2.0						

LCS	Sample ID: VLCSW1-100812-R79964			Units: µg/L		Analysis Date: 8/12/2010 10:08 AM		
Client ID:	Run ID: VMS6_100812A			SeqNo: 1385726	Prep Date:	DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Benzene	19.34	1.0	20	0	96.7	80-120	0	
Ethylbenzene	20.57	1.0	20	0	103	75-125	0	
m,p-Xylene	41.34	2.0	40	0	103	75-130	0	
o-Xylene	21.11	1.0	20	0	106	80-120	0	
Toluene	19.83	1.0	20	0	99.2	75-120	0	
Xylenes, Total	62.45	2.0	60	0	104	75-130	0	

LCSD	Sample ID: VLCSDW1-100812-R79964			Units: µg/L		Analysis Date: 8/12/2010 10:36 AM		
Client ID:	Run ID: VMS6_100812A			SeqNo: 1385727	Prep Date:	DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Benzene	18.71	1.0	20	0	93.6	80-120	19.34	3.31 30
Ethylbenzene	19.68	1.0	20	0	98.4	75-125	20.57	4.42 30
m,p-Xylene	39.48	2.0	40	0	98.7	75-130	41.34	4.6 30
o-Xylene	20.37	1.0	20	0	102	80-120	21.11	3.57 30
Toluene	18.82	1.0	20	0	94.1	75-120	19.83	5.23 30
Xylenes, Total	59.85	2.0	60	0	99.8	75-130	62.45	4.25 30

MS	Sample ID: 1008277-01A MS			Units: µg/Kg		Analysis Date: 8/12/2010 07:55 PM		
Client ID:	Run ID: VMS6_100812A			SeqNo: 1386471	Prep Date:	DF: 100		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Benzene	1584	100	2000	0	79.2	75-125	0	
Ethylbenzene	1856	200	2000	17	92	75-125	0	
m,p-Xylene	3781	200	4000	51	93.2	80-125	0	
o-Xylene	1943	100	2000	24	96	75-125	0	
Toluene	1770	150	2000	0	88.5	70-125	0	
Xylenes, Total	5724	300	6000	75	94.2	75-125	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008211
Project: Encana Pit Closure 10-418 8/6/10

QC BATCH REPORT

Batch ID: **R79964** Instrument ID **VMS6** Method: **SW8260**

MSD	Sample ID: 1008277-01A MSD				Units: µg/Kg		Analysis Date: 8/12/2010 08:23 PM			
Client ID:	Run ID: VMS6_100812A				SeqNo: 1386472		Prep Date:		DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1736	100	2000	0	86.8	75-125	1584	9.16	30	
Ethylbenzene	1834	200	2000	17	90.8	75-125	1856	1.19	30	
m,p-Xylene	3712	200	4000	51	91.5	80-125	3781	1.84	30	
o-Xylene	1918	100	2000	24	94.7	75-125	1943	1.3	30	
Toluene	1749	150	2000	0	87.4	70-125	1770	1.19	30	
Xylenes, Total	5630	300	6000	75	92.6	75-125	5724	1.66	30	

The following samples were analyzed in this batch:

1008211-01B 1008211-03B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 12 of 14

Client: HRL Compliance Solutions
Work Order: 1008211
Project: Encana Pit Closure 10-418 8/6/10

QC BATCH REPORT

Batch ID: **R79888** Instrument ID **MOIST** Method: **A2540 B**

MBLK Sample ID: WBLKS1-100809-R79888				Units: % of sample			Analysis Date: 8/9/2010 10:23 AM			
Client ID:		Run ID: MOIST_100809B		SeqNo: 1383777		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture		ND	0.010							
DUP Sample ID: 1008173-10A DUP				Units: % of sample			Analysis Date: 8/9/2010 10:23 AM			
Client ID:		Run ID: MOIST_100809B		SeqNo: 1383786		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture		7.48	0.010	0	0	0-0	7.71	3.03	20	
DUP Sample ID: 1008184-01C DUP				Units: % of sample			Analysis Date: 8/9/2010 10:23 AM			
Client ID:		Run ID: MOIST_100809B		SeqNo: 1383792		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture		8.25	0.010	0	0	0-0	8.23	0.243	20	

The following samples were analyzed in this batch:

1008211-01A 1008211-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 13 of 14

Client: HRL Compliance Solutions
Work Order: 1008211
Project: Encana Pit Closure 10-418 8/6/10

QC BATCH REPORT

Batch ID: **R79925** Instrument ID **MOIST** Method: **A2540 B**

MBLK Sample ID: WBLKS1-100810-R79925				Units: % of sample			Analysis Date: 8/10/2010 11:49 AM			
Client ID:		Run ID: MOIST_100810A		SeqNo: 1384840		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture		ND	0.010							
DUP Sample ID: 1008229-01A DUP				Units: % of sample			Analysis Date: 8/10/2010 11:49 AM			
Client ID:		Run ID: MOIST_100810A		SeqNo: 1384845		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture		13.47	0.010	0	0	0-0	13.77	2.2	20	

The following samples were analyzed in this batch:

1008211-02A 1008211-04A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 14 of 14



ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

Form 202r8

WORKORDER #	1008211										
PAGE	1 of 1										
SAMPLER	Anne Opitz	DATE									
SITE ID		TURNAROUND									
EDD FORMAT											
PURCHASE ORDER											
COMPANY NAME	HRL Compliance Solutions Inc.	BILL TO COMPANY									
SEND REPORT TO	Herman Lucero	INVOICE ATTN TO									
ADDRESS	744 Horizon Ct #40	ADDRESS									
CITY / STATE / ZIP	Grand Junction CO 81506	CITY / STATE / ZIP									
PHONE	970-243-3271	PHONE									
FAX	970-243-3280	FAX									
E-MAIL	hlucero@hrlcomp.com	E-MAIL									
Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	BTEX	GRO	DRO	Chloride
1	Federal 22-2	S	8/6	10:30AM	2	4 ^{ea}		X	X	X	XX
2	Federal 22-2 BKrnd	S	8/6	10:30AM	1	1					X
3	I-3 Gov	S	8/6	12 pm	2			X	X	X	XX
4	I-3 Gov BKrnd	S	8/6	12pm	1	▼					X

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments: For metals run
COGCC 910-1 Surete
Report total Barium & Do Not
Run Boron

QC PACKAGE (check below):

- LEVEL II (Standard QC)
- LEVEL III (Std QC + forms)
- LEVEL IV (Std QC + forms + raw data)

SIGNATURE	PRINTED NAME	DATE	TIME
Anne Opitz	Anne Opitz	8/6/10	5pm
Kerry Werenga	Kerry Werenga	8/9/10	10:10

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

ALS Laboratory Group

Sample Receipt Checklist

Client Name: HRL

Date/Time Received: 09-Aug-10 10:10

Work Order: 1008211

Received by: KRW

Checklist completed by Keith Warenga
eSignature

09-Aug-10

Date

Reviewed by: Ann Preston
eSignature

09-Aug-10

Date

Matrices: Soil

Carrier name: FedEx

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Container/Temp Blank temperature in compliance? Yes No

Temperature(s)/Thermometer(s):

23.0 C

Cooler(s)/Kit(s):

Water - VOA vials have zero headspace? Yes No No VOA vials submitted

Water - pH acceptable upon receipt? Yes No N/A

pH adjusted? Yes No N/A

pH adjusted by:

-

Login Notes: Client approved running samples with non-compliance temperature upon receipt.

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:



13-Aug-2010

Herman Lucero
HRL Compliance Solutions
744 Horizon Ct. Suite 140
Grand Junction, CO 81506

Re: **Encana Pit Closure #10-418 8/5/10**

Work Order: **1008168**

Dear Herman,

ALS Laboratory Group received 4 samples on 06-Aug-2010 11:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 27.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Ann Preston".

Electronically approved by: Ann Preston

Ann Preston
Project Manager



Certificate No: IL100452

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185

D O V H U R X S # C V D / P R U S # S d u n # C i h k h D O V # D e r u w u j # J u c x s # D # d p s e h a E u r w k h u v # D p l h g # F r p s d q |

ALS Laboratory Group

Date: 13-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure #10-418 8/5/10
Work Order: 1008168

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1008168-01	A-20-3-101-S Federal	Soil		8/5/2010 14:15	8/6/2010 11:00	<input type="checkbox"/>
1008168-02	A-20-3-101-S Federal Background	Soil		8/5/2010 14:15	8/6/2010 11:00	<input type="checkbox"/>
1008168-03	35-1 Duncan Fed.	Soil		8/5/2010 09:45	8/6/2010 11:00	<input type="checkbox"/>
1008168-04	35-1 Duncan Fed. Background	Soil		8/5/2010 09:45	8/6/2010 11:00	<input type="checkbox"/>

ALS Laboratory Group

Date: 13-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure #10-418 8/5/10
Work Order: 1008168

Case Narrative

Batch 28569 MSD data for Zinc is not related to this project's samples.

Batch 28545 LCS recovery for Acenaphthene and LCSD recovery for Naphthalene were below control limits and are considered sporadic marginal exceedances allowed by the SOP. Sample A-20-3-101-S Federal MS recovery for Benzo(a)anthracene, and MS/MSD recoveries for the surrogate 2-Fluorobiphenyl were below control limits due to matrix interference.

ALS Laboratory Group

Date: 13-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure #10-418 8/5/10
WorkOrder: 1008168

QUALIFIERS, ACRONYMS, UNITS

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
µg/Kg-dry	Micrograms per Kilogram Dry Weight
mg/Kg-dry	Milligrams per Kilogram Dry Weight

ALS Laboratory Group

Date: 13-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure #10-418 8/5/10
Sample ID: A-20-3-101-S Federal
Collection Date: 8/5/2010 02:15 PM

Work Order: 1008168
Lab ID: 1008168-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M			
ERO (C8-C36)	290		5.9	mg/Kg-dry	1	Analyst: RM 8/11/2010
Surr: 4-Terphenyl-d14	73.5		30-125	%REC	1	8/11/2010
GASOLINE RANGE ORGANICS BY GC-FID			SW8015			Analyst: RM
GRO (C5-C12)	ND		3,000	µg/Kg-dry	100	8/12/2010
Surr: Toluene-d8	106		50-150	%REC	100	8/12/2010
MERCURY BY CVAA			SW7471		Prep Date: 8/9/2010	Analyst: RB
Mercury	ND		0.023	mg/Kg-dry	1	8/9/2010 06:31 PM
METALS BY ICP-MS			SW6020A		Prep Date: 8/10/2010	Analyst: CES
Arsenic	3.8		0.53	mg/Kg-dry	1	8/10/2010 12:55 PM
Barium	500		5.3	mg/Kg-dry	10	8/10/2010 03:14 PM
Cadmium	0.40		0.21	mg/Kg-dry	1	8/10/2010 12:55 PM
Chromium	4.7		0.53	mg/Kg-dry	1	8/10/2010 12:55 PM
Copper	10		0.53	mg/Kg-dry	1	8/10/2010 12:55 PM
Lead	14		0.53	mg/Kg-dry	1	8/10/2010 12:55 PM
Nickel	8.5		0.53	mg/Kg-dry	1	8/10/2010 12:55 PM
Selenium	ND		0.53	mg/Kg-dry	1	8/10/2010 12:55 PM
Silver	ND		0.53	mg/Kg-dry	1	8/10/2010 12:55 PM
Zinc	51		1.1	mg/Kg-dry	1	8/10/2010 12:55 PM
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS) - SIM			SW8270M		Prep Date: 8/8/2010	Analyst: HL
1-Methylnaphthalene	ND		12	µg/Kg-dry	1	8/10/2010 10:22 AM
2-Methylnaphthalene	ND		12	µg/Kg-dry	1	8/10/2010 10:22 AM
Acenaphthene	ND		5.9	µg/Kg-dry	1	8/10/2010 10:22 AM
Acenaphthylene	ND		18	µg/Kg-dry	1	8/10/2010 10:22 AM
Anthracene	ND		12	µg/Kg-dry	1	8/10/2010 10:22 AM
Benzo(a)anthracene	ND		12	µg/Kg-dry	1	8/10/2010 10:22 AM
Benzo(a)pyrene	ND		12	µg/Kg-dry	1	8/10/2010 10:22 AM
Benzo(b)fluoranthene	ND		23	µg/Kg-dry	1	8/10/2010 10:22 AM
Benzo(b-k)fluoranthene	ND		23	µg/Kg-dry	1	8/10/2010 10:22 AM
Benzo(e)pyrene	ND		12	µg/Kg-dry	1	8/10/2010 10:22 AM
Benzo(g,h,i)perylene	ND		12	µg/Kg-dry	1	8/10/2010 10:22 AM
Benzo(k)fluoranthene	ND		23	µg/Kg-dry	1	8/10/2010 10:22 AM
Chrysene	ND		5.9	µg/Kg-dry	1	8/10/2010 10:22 AM
Dibenzo(a,h)anthracene	ND		12	µg/Kg-dry	1	8/10/2010 10:22 AM
Fluoranthene	ND		18	µg/Kg-dry	1	8/10/2010 10:22 AM
Fluorene	ND		12	µg/Kg-dry	1	8/10/2010 10:22 AM
Indeno(1,2,3-cd)pyrene	ND		12	µg/Kg-dry	1	8/10/2010 10:22 AM
Naphthalene	ND		18	µg/Kg-dry	1	8/10/2010 10:22 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Laboratory Group

Date: 13-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure #10-418 8/5/10 **Work Order:** 1008168
Sample ID: A-20-3-101-S Federal **Lab ID:** 1008168-01
Collection Date: 8/5/2010 02:15 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Perylene	ND		12	µg/Kg-dry	1	8/10/2010 10:22 AM
Phenanthrene	ND		29	µg/Kg-dry	1	8/10/2010 10:22 AM
Phenol	ND		5.9	µg/Kg-dry	1	8/10/2010 10:22 AM
Pyrene	ND		18	µg/Kg-dry	1	8/10/2010 10:22 AM
<i>Surr: 2-Fluorobiphenyl</i>	27.4	S	45-105	%REC	1	8/10/2010 10:22 AM
<i>Surr: 4-Terphenyl-d14</i>	65.6		30-125	%REC	1	8/10/2010 10:22 AM
<i>Surr: Nitrobenzene-d5</i>	51.2		35-100	%REC	1	8/10/2010 10:22 AM
VOLATILE ORGANIC COMPOUNDS						Analyst: CW
Benzene	ND		20	µg/Kg-dry	100	8/10/2010 08:02 AM
Ethylbenzene	ND		14	µg/Kg-dry	100	8/10/2010 08:02 AM
m,p-Xylene	130		19	µg/Kg-dry	100	8/10/2010 08:02 AM
o-Xylene	24		15	µg/Kg-dry	100	8/10/2010 08:02 AM
Toluene	ND		14	µg/Kg-dry	100	8/10/2010 08:02 AM
Xylenes, Total	160		33	µg/Kg-dry	100	8/10/2010 08:02 AM
MOISTURE						Analyst: JJG
Moisture	16		0.010	% of sample	1	8/9/2010 04:18 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Laboratory Group

Date: 13-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure #10-418 8/5/10
Sample ID: A-20-3-101-S Federal Background
Collection Date: 8/5/2010 02:15 PM

Work Order: 1008168
Lab ID: 1008168-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS						
Arsenic	6.0		SW6020A 0.59	mg/Kg-dry	1	Prep Date: 8/10/2010 Analyst: CES 8/10/2010 01:00 PM
MOISTURE						
Moisture	16		A2540 B 0.010	% of sample	1	Analyst: KV 8/6/2010 04:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Laboratory Group

Date: 13-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure #10-418 8/5/10
Sample ID: 35-1 Duncan Fed.
Collection Date: 8/5/2010 09:45 AM

Work Order: 1008168
Lab ID: 1008168-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M			
ERO (C8-C36)	50		6.0	mg/Kg-dry	1	Analyst: RM
Surr: 4-Terphenyl-d14	104		30-125	%REC	1	8/11/2010
GASOLINE RANGE ORGANICS BY GC-FID			SW8015			Analyst: RM
GRO (C5-C12)	ND		3,000	µg/Kg-dry	100	8/12/2010
Surr: Toluene-d8	98.5		50-150	%REC	100	8/12/2010
MERCURY BY CVAA			SW7471		Prep Date: 8/9/2010	Analyst: RB
Mercury	ND		0.021	mg/Kg-dry	1	8/9/2010 06:33 PM
METALS BY ICP-MS			SW6020A		Prep Date: 8/10/2010	Analyst: CES
Arsenic	3.6		0.56	mg/Kg-dry	1	8/10/2010 01:06 PM
Barium	220		5.6	mg/Kg-dry	10	8/10/2010 03:20 PM
Cadmium	0.41		0.23	mg/Kg-dry	1	8/10/2010 01:06 PM
Chromium	9.7		0.56	mg/Kg-dry	1	8/10/2010 01:06 PM
Copper	15		0.56	mg/Kg-dry	1	8/10/2010 01:06 PM
Lead	14		0.56	mg/Kg-dry	1	8/10/2010 01:06 PM
Nickel	12		0.56	mg/Kg-dry	1	8/10/2010 01:06 PM
Selenium	ND		0.56	mg/Kg-dry	1	8/10/2010 01:06 PM
Silver	ND		0.56	mg/Kg-dry	1	8/10/2010 01:06 PM
Zinc	52		1.1	mg/Kg-dry	1	8/10/2010 01:06 PM
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS) - SIM			SW8270M		Prep Date: 8/8/2010	Analyst: HL
1-Methylnaphthalene	ND		12	µg/Kg-dry	1	8/10/2010 11:01 AM
2-Methylnaphthalene	ND		12	µg/Kg-dry	1	8/10/2010 11:01 AM
Acenaphthene	ND		6.1	µg/Kg-dry	1	8/10/2010 11:01 AM
Acenaphthylene	ND		18	µg/Kg-dry	1	8/10/2010 11:01 AM
Anthracene	ND		12	µg/Kg-dry	1	8/10/2010 11:01 AM
Benzo(a)anthracene	ND		12	µg/Kg-dry	1	8/10/2010 11:01 AM
Benzo(a)pyrene	ND		12	µg/Kg-dry	1	8/10/2010 11:01 AM
Benzo(b)fluoranthene	ND		24	µg/Kg-dry	1	8/10/2010 11:01 AM
Benzo(b-k)fluoranthene	ND		24	µg/Kg-dry	1	8/10/2010 11:01 AM
Benzo(e)pyrene	ND		12	µg/Kg-dry	1	8/10/2010 11:01 AM
Benzo(g,h,i)perylene	ND		12	µg/Kg-dry	1	8/10/2010 11:01 AM
Benzo(k)fluoranthene	ND		24	µg/Kg-dry	1	8/10/2010 11:01 AM
Chrysene	ND		6.1	µg/Kg-dry	1	8/10/2010 11:01 AM
Dibenzo(a,h)anthracene	ND		12	µg/Kg-dry	1	8/10/2010 11:01 AM
Fluoranthene	ND		18	µg/Kg-dry	1	8/10/2010 11:01 AM
Fluorene	ND		12	µg/Kg-dry	1	8/10/2010 11:01 AM
Indeno(1,2,3-cd)pyrene	ND		12	µg/Kg-dry	1	8/10/2010 11:01 AM
Naphthalene	ND		18	µg/Kg-dry	1	8/10/2010 11:01 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Laboratory Group

Date: 13-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure #10-418 8/5/10
Sample ID: 35-1 Duncan Fed.
Collection Date: 8/5/2010 09:45 AM

Work Order: 1008168
Lab ID: 1008168-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Perylene	ND		12	µg/Kg-dry	1	8/10/2010 11:01 AM
Phenanthrene	ND		30	µg/Kg-dry	1	8/10/2010 11:01 AM
Phenol	ND		6.1	µg/Kg-dry	1	8/10/2010 11:01 AM
Pyrene	ND		18	µg/Kg-dry	1	8/10/2010 11:01 AM
Surr: 2-Fluorobiphenyl	19.0	S	45-105	%REC	1	8/10/2010 11:01 AM
Surr: 4-Terphenyl-d14	108		30-125	%REC	1	8/10/2010 11:01 AM
Surr: Nitrobenzene-d5	45.6		35-100	%REC	1	8/10/2010 11:01 AM
VOLATILE ORGANIC COMPOUNDS		SW8260		Analyst: CW		
Benzene	ND		21	µg/Kg-dry	100	8/10/2010 07:34 AM
Ethylbenzene	ND		15	µg/Kg-dry	100	8/10/2010 07:34 AM
m,p-Xylene	ND		19	µg/Kg-dry	100	8/10/2010 07:34 AM
o-Xylene	ND		15	µg/Kg-dry	100	8/10/2010 07:34 AM
Toluene	ND		14	µg/Kg-dry	100	8/10/2010 07:34 AM
Xylenes, Total	ND		34	µg/Kg-dry	100	8/10/2010 07:34 AM
MOISTURE		A2540 B		Analyst: JJG		
Moisture	18		0.010	% of sample	1	8/9/2010 04:18 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Laboratory Group

Date: 13-Aug-10

Client: HRL Compliance Solutions
Project: Encana Pit Closure #10-418 8/5/10
Sample ID: 35-1 Duncan Fed. Background
Collection Date: 8/5/2010 09:45 AM

Work Order: 1008168
Lab ID: 1008168-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS						
Arsenic	4.6		SW6020A 0.67	mg/Kg-dry	1	Prep Date: 8/10/2010 Analyst: CES 8/10/2010 01:12 PM
MOISTURE						
Moisture	27		A2540 B 0.010	% of sample	1	Analyst: KV 8/6/2010 04:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Laboratory Group

Date: 13-Aug-10

Client: HRL Compliance Solutions
Work Order: 1008168
Project: Encana Pit Closure #10-418 8/5/10

QC BATCH REPORT

Batch ID: 28544		Instrument ID GC8		Method: SW8015M								
MBLK	Sample ID: DBLKS1-28544-28544							Units: mg/Kg		Analysis Date: 8/11/2010		
Client ID:	Run ID: GC8_100811A				SeqNo: 1385476		Prep Date: 8/8/2010		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
ERO (C8-C36) Surr: 4-Terphenyl-d14	ND 2.463	5.0 0	2	0	123	30-125	0					
LCS	Sample ID: DLCSS1-28544-28544							Units: mg/Kg		Analysis Date: 8/11/2010		
Client ID:	Run ID: GC8_100811A				SeqNo: 1385478		Prep Date: 8/8/2010		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
ERO (C8-C36) Surr: 4-Terphenyl-d14	353.2 1.732	5.0 0	400 2	0 0	88.3 86.6	60-130 30-125	0 0					
LCSD	Sample ID: DLCSDS1-28544-28544							Units: mg/Kg		Analysis Date: 8/11/2010		
Client ID:	Run ID: GC8_100811A				SeqNo: 1385477		Prep Date: 8/8/2010		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
ERO (C8-C36) Surr: 4-Terphenyl-d14	372.2 1.784	5.0 0	400 2	0 0	93 89.2	60-130 30-125	353.2 1.732	5.23 2.94	30 30			
MS	Sample ID: 1008168-01A MS							Units: mg/Kg		Analysis Date: 8/11/2010		
Client ID: A-20-3-101-S Federal	Run ID: GC8_100811A				SeqNo: 1385473		Prep Date: 8/8/2010		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
ERO (C8-C36) Surr: 4-Terphenyl-d14	519.4 1.547	5.0 0	398.6 1.993	239.9 0	70.1 77.6	60-130 30-125	0 0					
MSD	Sample ID: 1008168-01A MSD							Units: mg/Kg		Analysis Date: 8/11/2010		
Client ID: A-20-3-101-S Federal	Run ID: GC8_100811A				SeqNo: 1385474		Prep Date: 8/8/2010		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
ERO (C8-C36) Surr: 4-Terphenyl-d14	507.9 1.516	4.9 0	395.5 1.978	239.9 0	67.8 76.6	60-130 30-125	519.4 1.547	2.24 2.07	30 30			

The following samples were analyzed in this batch:

1008168-01A 1008168-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 1 of 14

Client: HRL Compliance Solutions
Work Order: 1008168
Project: Encana Pit Closure #10-418 8/5/10

QC BATCH REPORT

Batch ID: **R79955** Instrument ID **GC6** Method: **SW8015**

MBLK Sample ID: MB-R79955-R79955				Units: µg/L		Analysis Date: 8/12/2010				
Client ID:		Run ID: GC6_100812A		SeqNo: 1385467		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C5-C12)	ND	200								
<i>Surr: Toluene-d8</i>	22.69	0	20	0	113	70-130				
LCS Sample ID: LCS-R79955-R79955					Units: µg/L		Analysis Date: 8/12/2010			
Client ID:	Run ID: GC6_100812A		SeqNo: 1385468		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C5-C12)	22450	200	25000	0	89.8	70-130				
<i>Surr: Toluene-d8</i>	17.22	0	20	0	86.1	70-130				
LCSD Sample ID: LCSD-R79955-R79955					Units: µg/L		Analysis Date: 8/12/2010			
Client ID:	Run ID: GC6_100812A		SeqNo: 1385470		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C5-C12)	23350	200	25000	0	93.4	70-130	22450	3.95	30	
<i>Surr: Toluene-d8</i>	17.65	0	20	0	88.3	70-130	17.22	2.48	30	

The following samples were analyzed in this batch:

1008168-01A 1008168-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008168
Project: Encana Pit Closure #10-418 8/5/10

QC BATCH REPORT

Batch ID: **28563** Instrument ID **HG1** Method: **SW7471**

Sample ID: MBLK-28563-28563				Units: mg/Kg		Analysis Date: 8/9/2010 05:44 PM				
Client ID:		Run ID: HG1_100809C		SeqNo: 1383610		Prep Date: 8/9/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.020								
Sample ID: LCS-28563-28563				Units: mg/Kg		Analysis Date: 8/9/2010 05:46 PM				
Client ID:		Run ID: HG1_100809C		SeqNo: 1383611		Prep Date: 8/9/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1968	0.020	0.1665	0	118	80-120	0			
Sample ID: LCSD-28563-28563				Units: mg/Kg		Analysis Date: 8/9/2010 05:48 PM				
Client ID:		Run ID: HG1_100809C		SeqNo: 1383612		Prep Date: 8/9/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1983	0.020	0.1665	0	119	80-120	0.1968	0.759	20	
Sample ID: 1008162-09AMS				Units: mg/Kg		Analysis Date: 8/9/2010 06:10 PM				
Client ID:		Run ID: HG1_100809C		SeqNo: 1383624		Prep Date: 8/9/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1919	0.020	0.164	0.00298	115	75-125	0			
Sample ID: 1008162-09AMSD				Units: mg/Kg		Analysis Date: 8/9/2010 06:12 PM				
Client ID:		Run ID: HG1_100809C		SeqNo: 1383625		Prep Date: 8/9/2010		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1917	0.020	0.1638	0.00298	115	75-125	0.1919	0.0785	35	

The following samples were analyzed in this batch:

1008168-01B 1008168-03B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008168
Project: Encana Pit Closure #10-418 8/5/10

QC BATCH REPORT

Batch ID: **28545** Instrument ID **SVMS4** Method: **SW8270M**

MBLK	Sample ID: SBLKS1-28545-28545				Units: µg/Kg		Analysis Date: 8/10/2010 09:44 AM			
Client ID:		Run ID: SVMS4_100809A			SeqNo: 1383948	Prep Date: 8/8/2010	DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	ND	10								
2-Methylnaphthalene	ND	10								
Acenaphthene	ND	5.0								
Acenaphthylene	ND	15								
Anthracene	ND	10								
Benzo(a)anthracene	ND	10								
Benzo(a)pyrene	ND	10								
Benzo(b)fluoranthene	ND	20								
Benzo(b-k)fluoranthene	ND	20								
Benzo(e)pyrene	ND	10								
Benzo(g,h,i)perylene	ND	10								
Benzo(k)fluoranthene	ND	20								
Chrysene	ND	5.0								
Dibenzo(a,h)anthracene	ND	10								
Fluoranthene	ND	15								
Fluorene	ND	10								
Indeno(1,2,3-cd)pyrene	ND	10								
Naphthalene	ND	15								
Perylene	ND	10								
Phenanthrene	ND	25								
Phenol	ND	5.0								
Pyrene	ND	15								
<i>Surr: 2-Fluorobiphenyl</i>	85.33	0	166.7	0	51.2	45-105	0			
<i>Surr: 4-Terphenyl-d14</i>	141.3	0	166.7	0	84.8	30-125	0			
<i>Surr: Nitrobenzene-d5</i>	67.67	0	166.7	0	40.6	35-100	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008168
Project: Encana Pit Closure #10-418 8/5/10

QC BATCH REPORT

Batch ID: **28545** Instrument ID **SVMS4** Method: **SW8270M**

LCS	Sample ID: SLCSS1-28545-28545			Units: µg/Kg			Analysis Date: 8/10/2010 07:11 AM			
Client ID:	Run ID: SVMS4_100809A			SeqNo: 1383944			Prep Date: 8/8/2010		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	60	10	66.67	0	90	50-110	0	0		
Acenaphthene	ND	5.0	66.67	0	0	35-110	0	0		S
Acenaphthylene	64.67	15	66.67	0	97	35-115	0	0		
Anthracene	60.67	10	66.67	0	91	45-125	0	0		
Benzo(a)anthracene	57.67	10	66.67	0	86.5	50-105	0	0		
Benzo(a)pyrene	59	10	66.67	0	88.5	40-135	0	0		
Benzo(b)fluoranthene	54.33	20	66.67	0	81.5	55-120	0	0		
Benzo(b-k)fluoranthene	119.3	20	133.3	0	89.5	55-120	0	0		
Benzo(g,h,i)perylene	54	10	66.67	0	81	55-115	0	0		
Benzo(k)fluoranthene	65	20	66.67	0	97.5	55-120	0	0		
Chrysene	51	5.0	66.67	0	76.5	55-120	0	0		
Dibenzo(a,h)anthracene	63	10	66.67	0	94.5	45-115	0	0		
Fluoranthene	72	15	66.67	0	108	40-135	0	0		
Fluorene	58.67	10	66.67	0	88	45-105	0	0		
Indeno(1,2,3-cd)pyrene	59	10	66.67	0	88.5	55-135	0	0		
Naphthalene	38.33	15	66.67	0	57.5	50-110	0	0		
Phenanthrene	58	25	66.67	0	87	55-125	0	0		
Phenol	49.67	5.0	66.67	0	74.5	40-110	0	0		
Pyrene	68.67	15	66.67	0	103	50-115	0	0		
<i>Surr: 2-Fluorobiphenyl</i>	133.3	0	166.7	0	80	45-105	0	0		
<i>Surr: 4-Terphenyl-d14</i>	164.3	0	166.7	0	98.6	30-125	0	0		
<i>Surr: Nitrobenzene-d5</i>	102.7	0	166.7	0	61.6	35-100	0	0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008168
Project: Encana Pit Closure #10-418 8/5/10

QC BATCH REPORT

Batch ID: **28545** Instrument ID **SVMS4** Method: **SW8270M**

LCSD	Sample ID: SLCSDS1-28545-28545				Units: µg/Kg			Analysis Date: 8/10/2010 07:49 AM			
Client ID:	Run ID: SVMS4_100809A				SeqNo: 1383945		Prep Date: 8/8/2010	DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
2-Methylnaphthalene	38.67	10	66.67	0	58	50-110	60	43.2	40	R	
Acenaphthene	24	5.0	66.67	0	36	35-110	0	200	40	R	
Acenaphthylene	38.67	15	66.67	0	58	35-115	64.67	50.3	40	R	
Anthracene	52.67	10	66.67	0	79	45-125	60.67	14.1	40		
Benzo(a)anthracene	60.33	10	66.67	0	90.5	50-105	57.67	4.52	40		
Benzo(a)pyrene	60.33	10	66.67	0	90.5	40-135	59	2.23	40		
Benzo(b)fluoranthene	52	20	66.67	0	78	55-120	54.33	4.39	40		
Benzo(b-k)fluoranthene	124	20	133.3	0	93	55-120	119.3	3.84	40		
Benzo(g,h,i)perylene	55	10	66.67	0	82.5	55-115	54	1.83	40		
Benzo(k)fluoranthene	72	20	66.67	0	108	55-120	65	10.2	40		
Chrysene	62.67	5.0	66.67	0	94	55-120	51	20.5	40		
Dibenzo(a,h)anthracene	65	10	66.67	0	97.5	45-115	63	3.12	40		
Fluoranthene	69	15	66.67	0	104	40-135	72	4.26	40		
Fluorene	43	10	66.67	0	64.5	45-105	58.67	30.8	40		
Indeno(1,2,3-cd)pyrene	62	10	66.67	0	93	55-135	59	4.96	40		
Naphthalene	32.67	15	66.67	0	49	50-110	38.33	16	40	S	
Phenanthrene	49.67	25	66.67	0	74.5	55-125	58	15.5	40		
Phenol	45.33	5.0	66.67	0	68	40-110	49.67	9.12	40		
Pyrene	67.67	15	66.67	0	102	50-115	68.67	1.47	40		
<i>Surr: 2-Fluorobiphenyl</i>	40	0	166.7	0	24	45-105	133.3	108	40	SR	
<i>Surr: 4-Terphenyl-d14</i>	172.7	0	166.7	0	104	30-125	164.3	4.95	40		
<i>Surr: Nitrobenzene-d5</i>	86	0	166.7	0	51.6	35-100	102.7	17.7	40		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008168
Project: Encana Pit Closure #10-418 8/5/10

QC BATCH REPORT

Batch ID: **28545** Instrument ID **SVMS4** Method: **SW8270M**

MS	Sample ID: 1008168-01A MS			Units: µg/Kg			Analysis Date: 8/10/2010 08:27 AM			
Client ID: A-20-3-101-S Federal	Run ID: SVMS4_100809A			SeqNo: 1383946			Prep Date: 8/8/2010		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	41.35	9.8	65.63	2.3	59.5	50-110		0		
Acenaphthene	34.46	4.9	65.63	0	52.5	35-110		0		
Acenaphthylene	50.54	15	65.63	0	77	35-115		0		
Anthracene	58.74	9.8	65.63	0	89.5	45-125		0		
Benzo(a)anthracene	28.88	9.8	65.63	0	44	50-105		0		S
Benzo(a)pyrene	59.4	9.8	65.63	0	90.5	40-135		0		
Benzo(b)fluoranthene	60.38	20	65.63	0	92	55-120		0		
Benzo(b-k)fluoranthene	118.1	20	131.3	0	90	55-120		0		
Benzo(g,h,i)perylene	53.49	9.8	65.63	0	81.5	55-115		0		
Benzo(k)fluoranthene	57.76	20	65.63	0	88	55-120		0		
Chrysene	64.98	4.9	65.63	0	99	55-120		0		
Fluoranthene	66.94	15	65.63	0	102	40-135		0		
Fluorene	52.83	9.8	65.63	0	80.5	45-105		0		
Indeno(1,2,3-cd)pyrene	61.04	9.8	65.63	0	93	55-135		0		
Naphthalene	39.71	15	65.63	1.972	57.5	50-110		0		
Phenanthrene	55.46	25	65.63	2.3	81	55-125		0		
Phenol	49.55	4.9	65.63	0.6572	74.5	40-110		0		
Pyrene	33.47	15	65.63	0	51	50-115		0		
<i>Surr: 2-Fluorobiphenyl</i>	41.68	0	164.1	0	25.4	45-105		0		S
<i>Surr: 4-Terphenyl-d14</i>	79.09	0	164.1	0	48.2	30-125		0		
<i>Surr: Nitrobenzene-d5</i>	103.7	0	164.1	0	63.2	35-100		0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 9 of 14

Client: HRL Compliance Solutions
Work Order: 1008168
Project: Encana Pit Closure #10-418 8/5/10

QC BATCH REPORT

Batch ID: **28545** Instrument ID **SVMS4** Method: **SW8270M**

MSD	Sample ID: 1008168-01A MSD				Units: µg/Kg			Analysis Date: 8/10/2010 09:06 AM		
Client ID: A-20-3-101-S Federal		Run ID: SVMS4_100809A			SeqNo: 1383947		Prep Date: 8/8/2010		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylnaphthalene	35.92	10	66.52	2.3	50.5	50-110	41.35	14	40	
Acenaphthene	36.59	5.0	66.52	0	55	35-110	34.46	6	40	
Acenaphthylene	52.89	15	66.52	0	79.5	35-115	50.54	4.54	40	
Anthracene	60.87	10	66.52	0	91.5	45-125	58.74	3.56	40	
Benzo(a)anthracene	54.55	10	66.52	0	82	50-105	28.88	61.5	40	R
Benzo(a)pyrene	61.87	10	66.52	0	93	40-135	59.4	4.07	40	
Benzo(b)fluoranthene	75.5	20	66.52	0	114	55-120	60.38	22.3	40	
Benzo(b-k)fluoranthene	120.7	20	133	0	90.8	55-120	118.1	2.18	40	
Benzo(g,h,i)perylene	48.23	10	66.52	0	72.5	55-115	53.49	10.3	40	
Benzo(k)fluoranthene	45.24	20	66.52	0	68	55-120	57.76	24.3	40	
Chrysene	51.55	5.0	66.52	0	77.5	55-120	64.98	23	40	
Fluoranthene	61.2	15	66.52	0	92	40-135	66.94	8.96	40	
Fluorene	53.55	10	66.52	0	80.5	45-105	52.83	1.35	40	
Indeno(1,2,3-cd)pyrene	57.21	10	66.52	0	86	55-135	61.04	6.48	40	
Naphthalene	41.24	15	66.52	1.972	59	50-110	39.71	3.8	40	
Phenanthrene	56.54	25	66.52	2.3	81.5	55-125	55.46	1.94	40	
Phenol	44.9	5.0	66.52	0.6572	66.5	40-110	49.55	9.84	40	
Pyrene	48.56	15	66.52	0	73	50-115	33.47	36.8	40	
<i>Surr: 2-Fluorobiphenyl</i>	48.23	0	166.3	0	29	45-105	41.68	14.6	40	S
<i>Surr: 4-Terphenyl-d14</i>	131	0	166.3	0	78.8	30-125	79.09	49.5	40	R
<i>Surr: Nitrobenzene-d5</i>	83.49	0	166.3	0	50.2	35-100	103.7	21.6	40	

The following samples were analyzed in this batch:

1008168-01A 1008168-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 10 of 14

Client: HRL Compliance Solutions
Work Order: 1008168
Project: Encana Pit Closure #10-418 8/5/10

QC BATCH REPORT

Batch ID: **R79875** Instrument ID **VMS6** Method: **SW8260**

MSD	Sample ID: 1008167-03A MSD			Units: µg/L			Analysis Date: 8/10/2010 12:04 PM			
Client ID:	Run ID: VMS6_100810A			SeqNo: 1383876			Prep Date:		DF: 20	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	886.6	20	400	501.8	96.2	80-120	907.2	2.3	30	
Ethylbenzene	371	20	400	10	90.2	75-125	380.8	2.61	30	
m,p-Xylene	994.6	40	800	245.2	93.7	75-130	1019	2.44	30	
o-Xylene	402.6	20	400	25.2	94.4	80-120	411.4	2.16	30	
Toluene	374.8	20	400	23.2	87.9	75-120	378	0.85	30	
Xylenes, Total	1397	40	1200	270.4	93.9	75-130	1431	2.36	30	

The following samples were analyzed in this batch:

1008168-01A 1008168-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 12 of 14

Client: HRL Compliance Solutions
Work Order: 1008168
Project: Encana Pit Closure #10-418 8/5/10

QC BATCH REPORT

Batch ID: **R79855** Instrument ID **MOIST** Method: **A2540 B**

MBLK Sample ID: WBLKS1-100806-R79855				Units: % of sample			Analysis Date: 8/6/2010 04:00 PM			
Client ID:		Run ID: MOIST_100806C		SeqNo: 1382945		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND		0.010							
DUP Sample ID: 1008162-21A DUP1					Units: % of sample			Analysis Date: 8/6/2010 04:00 PM		
Client ID:	Run ID: MOIST_100806C		SeqNo: 1382924		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	13.15	0.010	0		0	0	0-0	13.62	3.56	20
DUP Sample ID: 1008162-21A DUP2					Units: % of sample			Analysis Date: 8/6/2010 04:00 PM		
Client ID:	Run ID: MOIST_100806C		SeqNo: 1382925		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	13.57	0.010	0		0	0	0-0	13.62	0.421	20
DUP Sample ID: 1008171-05B DUP					Units: % of sample			Analysis Date: 8/6/2010 04:00 PM		
Client ID:	Run ID: MOIST_100806C		SeqNo: 1382941		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	13.35	0.010	0		0	0	0-0	13.88	3.9	20

The following samples were analyzed in this batch:

1008168-01B 1008168-02A 1008168-03B
1008168-04A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 13 of 14

Client: HRL Compliance Solutions
Work Order: 1008168
Project: Encana Pit Closure #10-418 8/5/10

QC BATCH REPORT

Batch ID: **R79889** Instrument ID **MOIST** Method: **A2540 B**

MBLK Sample ID: WBLKS1-100809-R79889				Units: % of sample			Analysis Date: 8/9/2010 04:18 PM			
Client ID:		Run ID: MOIST_100809C		SeqNo: 1383798		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture		ND	0.010							
DUP Sample ID: 1008210-02A DUP				Units: % of sample			Analysis Date: 8/9/2010 04:18 PM			
Client ID:		Run ID: MOIST_100809C		SeqNo: 1383802		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture		11.78	0.010	0	0	0-0	11.53	2.15	20	

The following samples were analyzed in this batch:

1008168-01A 1008168-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 14 of 14

ALS Laboratory Group

Sample Receipt Checklist

Client Name: HRL

Date/Time Received: 06-Aug-10 11:00

Work Order: 1008168

Received by: KRW

Checklist completed by Keith Warenka
eSignature

06-Aug-10

Date

Reviewed by: Ann Preston
eSignature

07-Aug-10

Date

Matrices: Soil

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Temperature(s)/Thermometer(s):

3.2 C

Cooler(s)/Kit(s):

Water - VOA vials have zero headspace?

Yes No No VOA vials submitted

Water - pH acceptable upon receipt?

Yes No N/A

pH adjusted?

Yes No N/A

pH adjusted by:

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

fedex.com 1800.GoFedEx 1800.463.3539

0-233-8425

Express

1 From Date: 8/5/10 Sender's FedEx Account Number: 32 0331

Sender's Name: Ann Phone:

Company: HPL Compliant Solutions, Inc.

Address: 4448 Horizon Ct Dept/Floor/Suite/Room: 140

City: Grand Junction State: CO ZIP: 81506-6070

2 Your Internal Billing Reference

3 To Recipient's Name: Sample Receiving Phone: 619 399-6070

Company: ALS Group

Address: 3352 128th Ave Dept/Floor/Suite/Room: 101

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address: Fishtank State: MI ZIP: 49412-129

Use this line for the HOLD location address or for continuation of your shipping address.



9601 San Leandro St., Oakland, CA 94601
ENVIRONMENTAL SAMPLE SUPPLY

CUSTODY

Form ID No.

FedEx Retrieval Copy

4a Express Package Service

01 FedEx Priority Overnight
Next business morning. FedEx shipments will be delivered on Monday unless SATURDAY Delivery is selected.

05

FedEx Standard Overnight
Not business afternoon. Saturday Delivery NOT available.

06

FedEx First Overnight
Earliest next business morning delivery to select locations.

03 FedEx 2Day
Second business day. Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20

FedEx Express Saver
Third business day. Saturday Delivery NOT available.

4b Express Freight Service

70 FedEx 1Day Freight
Next business day. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

70

FedEx 1Day Freight Booking No.

80 FedEx 2Day Freight
Second business day. Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

80

FedEx 3Day Freight
Third business day. Saturday Delivery NOT available.

05 FedEx Packaging
Declared value limit \$500.

05

FedEx Box
Includes FedEx Small Pak and FedEx Large Pak.

03

FedEx

04

FedEx Other
Tube 01

6 Special Handling and Delivery Signature Options

03 SATURDAY DELIVERY

No Signature Required
Package may be left without obtaining a signature for delivery.

Direct Signature
Someone at recipient's address may sign for delivery. Fee applies.

34 Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

Does this shipment contain dangerous goods?

On box must be checked.

No 04 Yes
As per attached Shipper's Declaration. not required

06 Dry Ice
Dry Ice, 9, UN 1845 kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

Cargo Aircraft Only

7 Payment Bill to:

1 Sender Acct. No. Section 2 Recipient Acct. No. Section 3 Third Party 4 Credit Card 5 Cash/Check

Enter FedEx Acct. No. or Credit Card No. below.

Total Packages Total Weight

Credit Card Auth.

lbs.

Our liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details.

Rev. Date 2/10 • Part #158280 • ©1994-2010 FedEx • PRINTED IN U.S.A. SRV

606

Sample Location Field Map

Location: 3102 Brushy Point

Date: 7/27/10

Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.

Pit Wall

5

2

Pit Base

1

4

3

Notes:

Black net covering pit.

Removed to collect samples and
replaced when finished

ReTo Flag - > 500 ppm

Sample Location Field Map

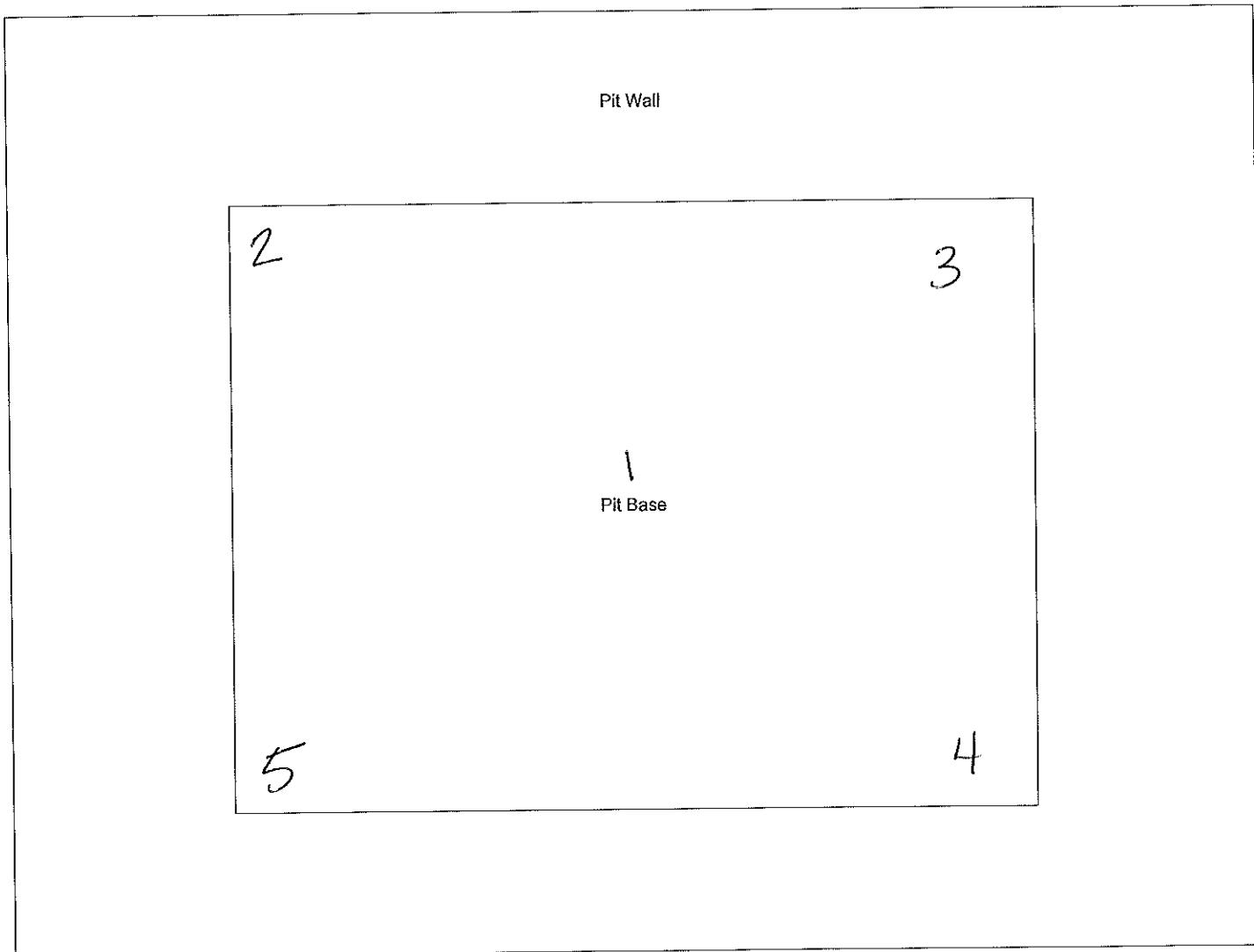
Location: 7315 South Douglas Creek

Date: 7/27/10

Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.



Notes: Strong H2S odor when removing soil

Retro Paly - 1771 ppm

Sample Location Field Map

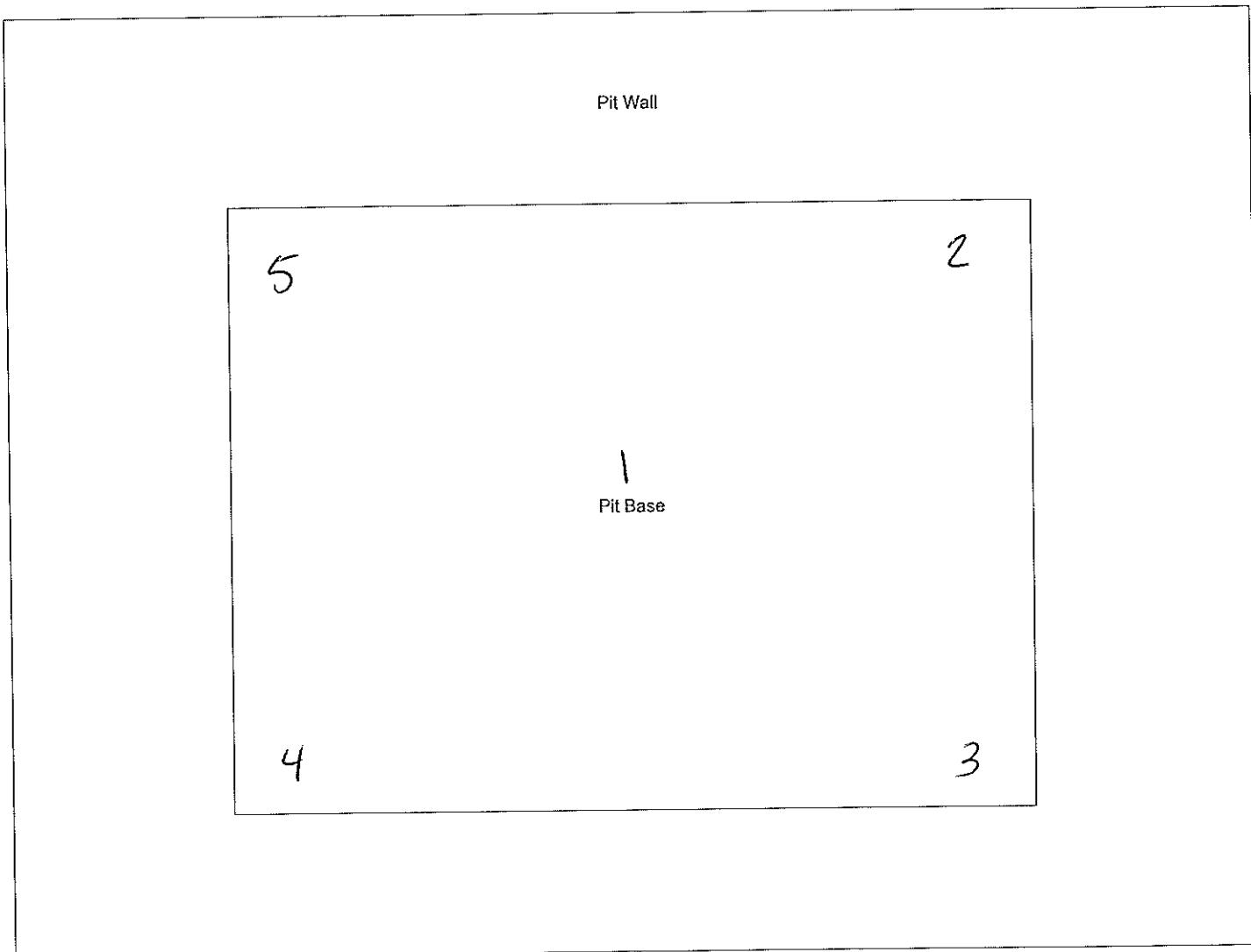
Location: 7334 South Douglas Creek

Date: 7/20/10

Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.



Notes:

Containment tank beside pit, no liquid or
odor, ~3.5 ft deep

Retro Paly - 548 ppm

Sample Location Field Map

Location: 7408 Foundation Creek B

Date: 7/28/10

Sampler Name(s): Anne Spitze



Indicate the lowest point of the pit and sample locations on pit map.

Pit Wall

5

2

Pit Base

1

4

3

Notes:

Pit appears to have been filled. Retro Flag collected but omitted, may not be used

Retro Flag - 314 ppm

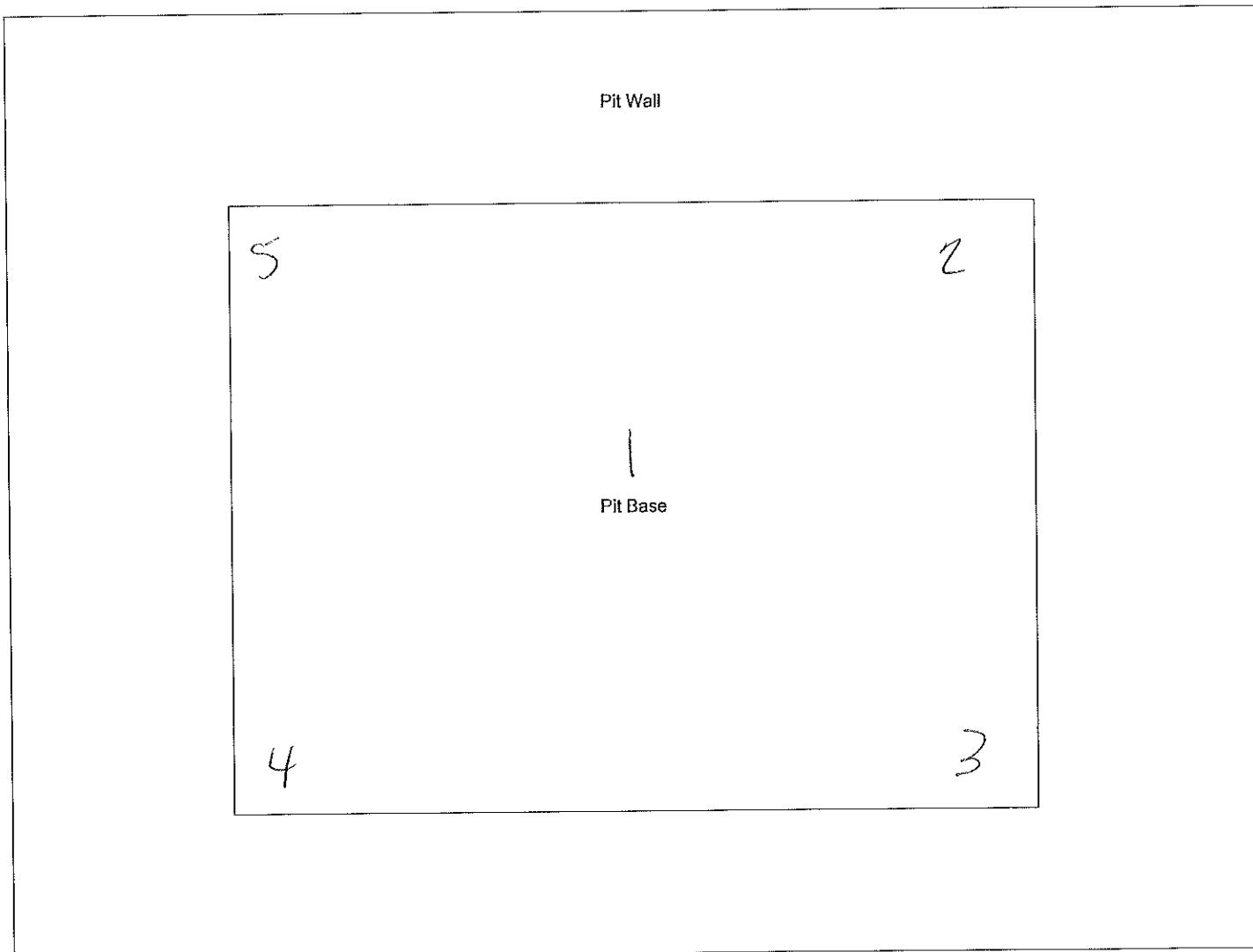
Sample Location Field Map

Location: 7303 South Douglas Creek
Date: 7/28/10

Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.



Notes:

Small Amount of liquid in pit,
Strong H₂S odor in Soil

Retro Flag - 1102 ppm

Sample Location Field Map

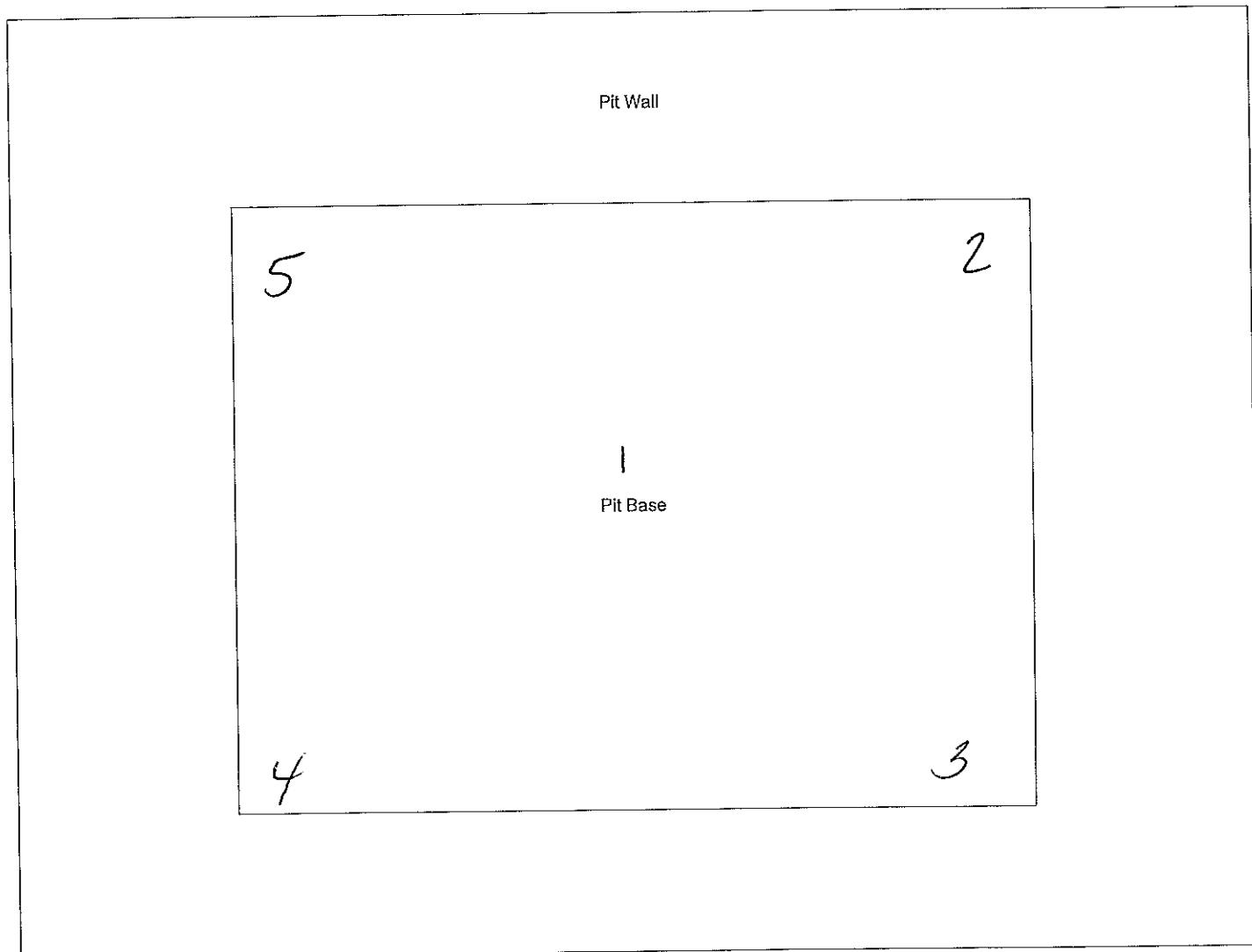
Location: 7405 Foundation Creek B

Date: 7/30/10

Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.



Notes: liquid in pit, strong H2S odor.

Second pit with stock tank & pipe
leading to well head, on location

petroPlay - 784 ppm

Sample Location Field Map

Location: 9-14 FED

Date: 7/30/10

Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.

Pit Wall

5

2

1

Pit Base

4

3

Notes:

liquid in pit, strong HC odor, dark disoloration in soil

Retro Flag - 2782 ppm

Sample Location Field Map

Location: 7706 Douglas Pass Unit

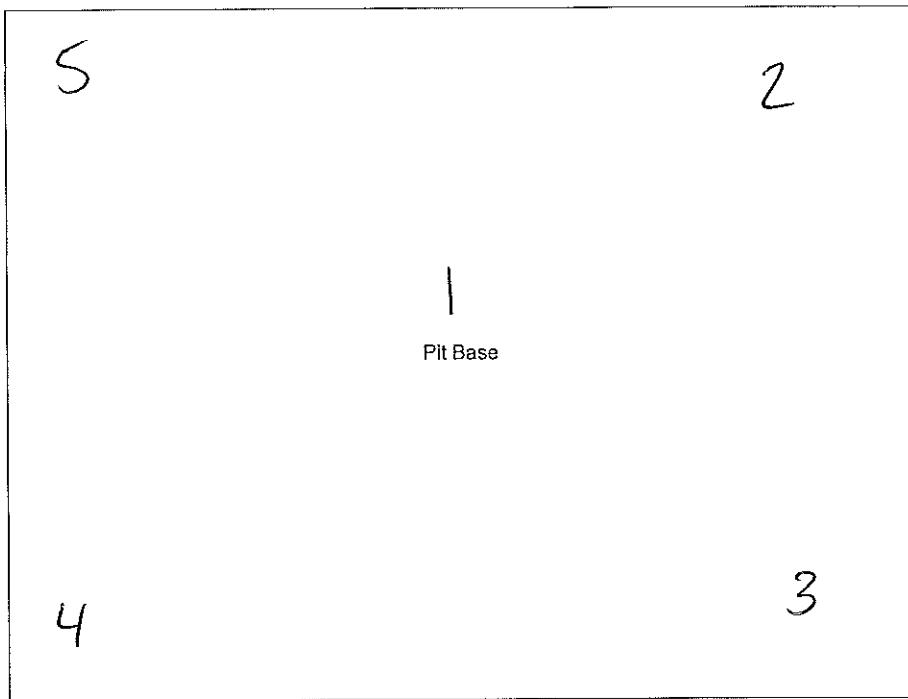
Date: 8/3/10

Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.

Pit Wall



Notes: large Pit, light HC odor

Retro Flag - 25%le ppm

Sample Location Field Map

Location: 7710 Douglas Pass Unit

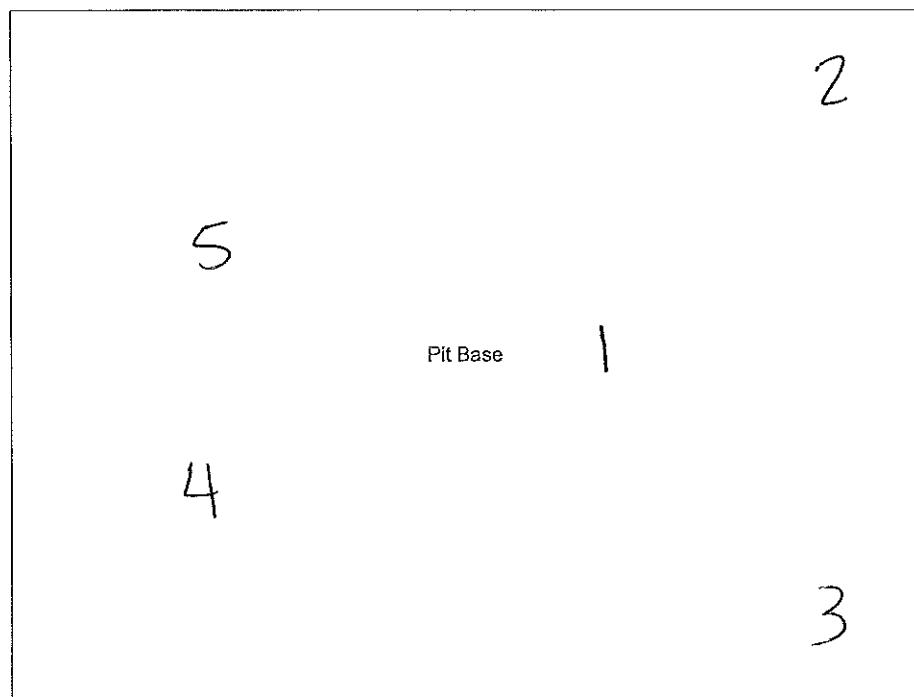
Date: 8/3/10

Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.

Pit Wall



Notes:

pit contained two low points and was higher in the middle, so samples were taken from lower areas

Retro Flag - 642 ppm

Sample Location Field Map

Location: 7316 South Douglas Creek

Date: 8/4/10

Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.

Pit Wall

5

2

1

Pit Base

4

3

Notes: liquid in pit, ~ 1.5 ft, strong HC odor.

Bird net covered pit, need to be removed. Could not replace

Retro Flag - 3267 DPM

Sample Location Field Map

Location: 7001 Rock Canyon

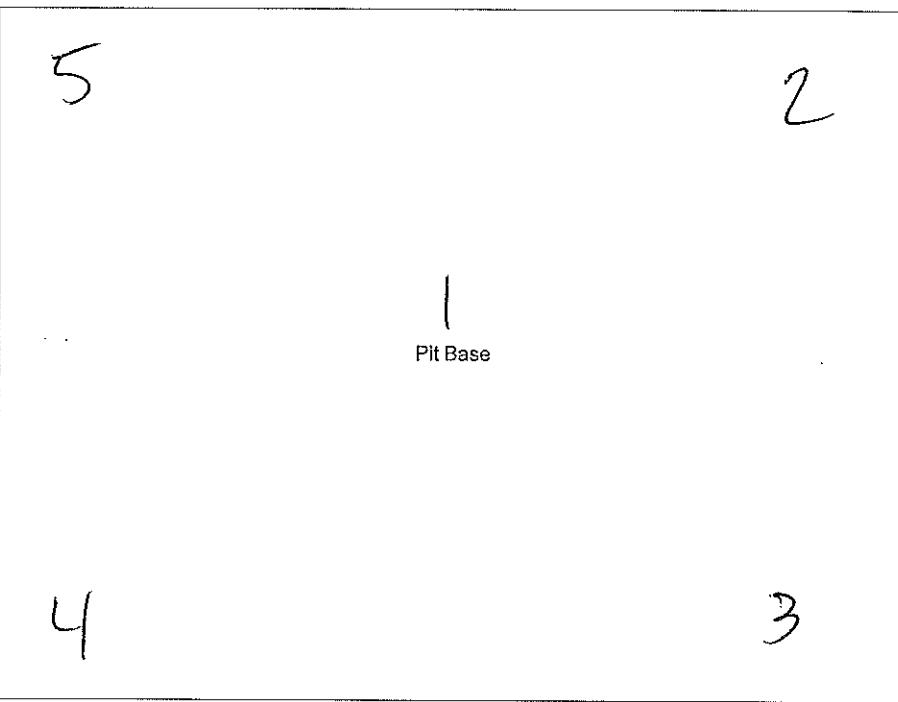
Date: 8/4/10

Sampler Name(s): Anne Opite



Indicate the lowest point of the pit and sample locations on pit map.

Pit Wall



Notes: Strong HC odor, pit covered by net that was removed. Unable to secure the net when finished.

Retro Flay - 1002 ppm

Sample Location Field Map

Location: 7503 Thunder

Date: 8/4/10

Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.

Pit Wall

5

2

Pit Base

1

4

3

Notes:

Pit contained small amount
of moisture, strong HC odor

Retro Flag - 517

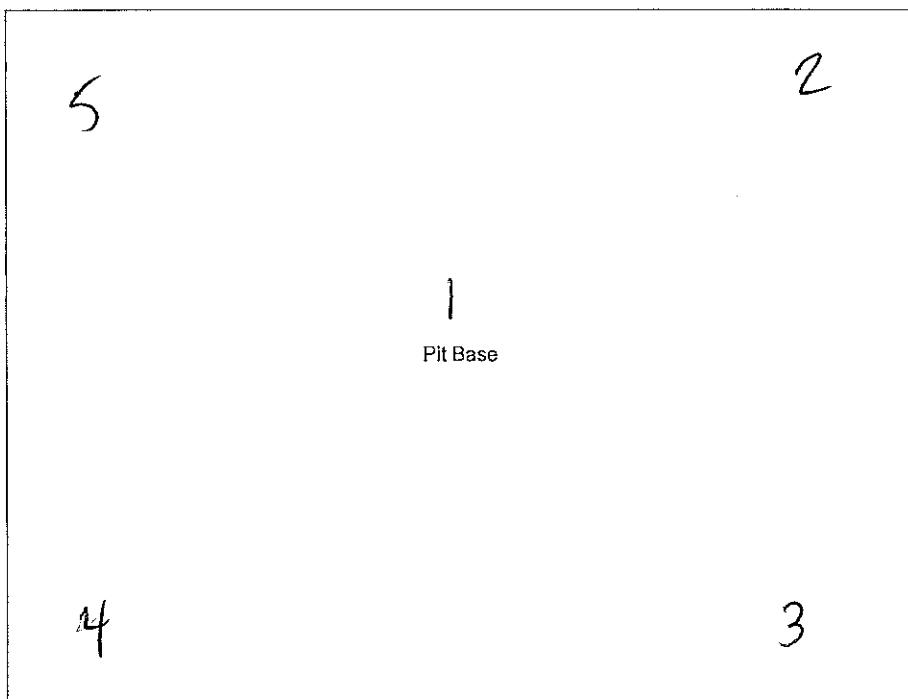
Sample Location Field Map

Location: 7602 Evacuation Creek Com B
Date: 8/4/10
Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.

Pit Wall



Notes: light HC odor in pit, no liquid

Retro Flag - 6416

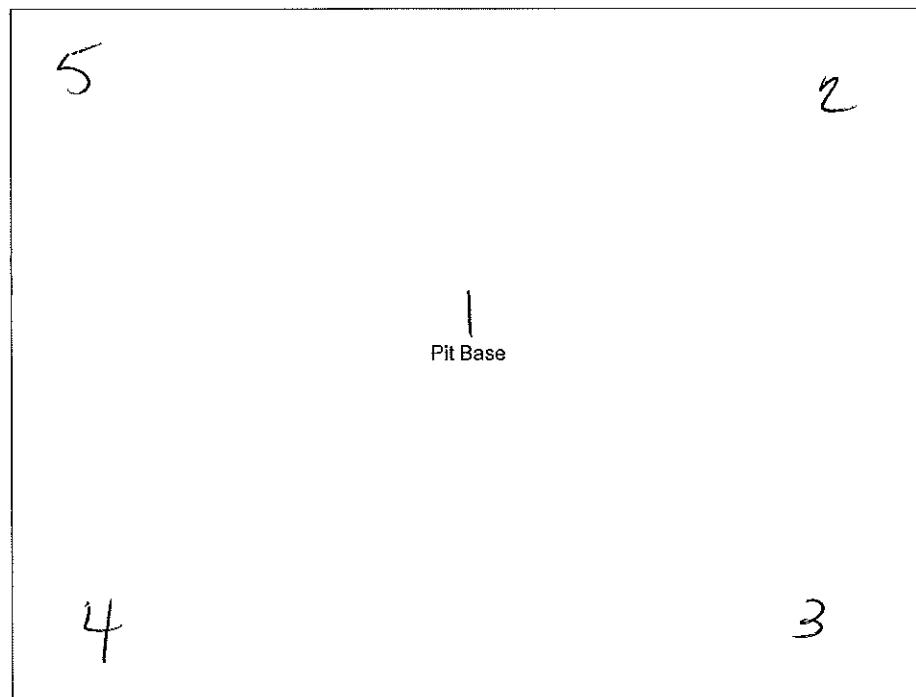
Sample Location Field Map

Location: Duncan Fed. 35-1
Date: 8/5/10
Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.

Pit Wall



Notes: liquid in pit, light HC odor

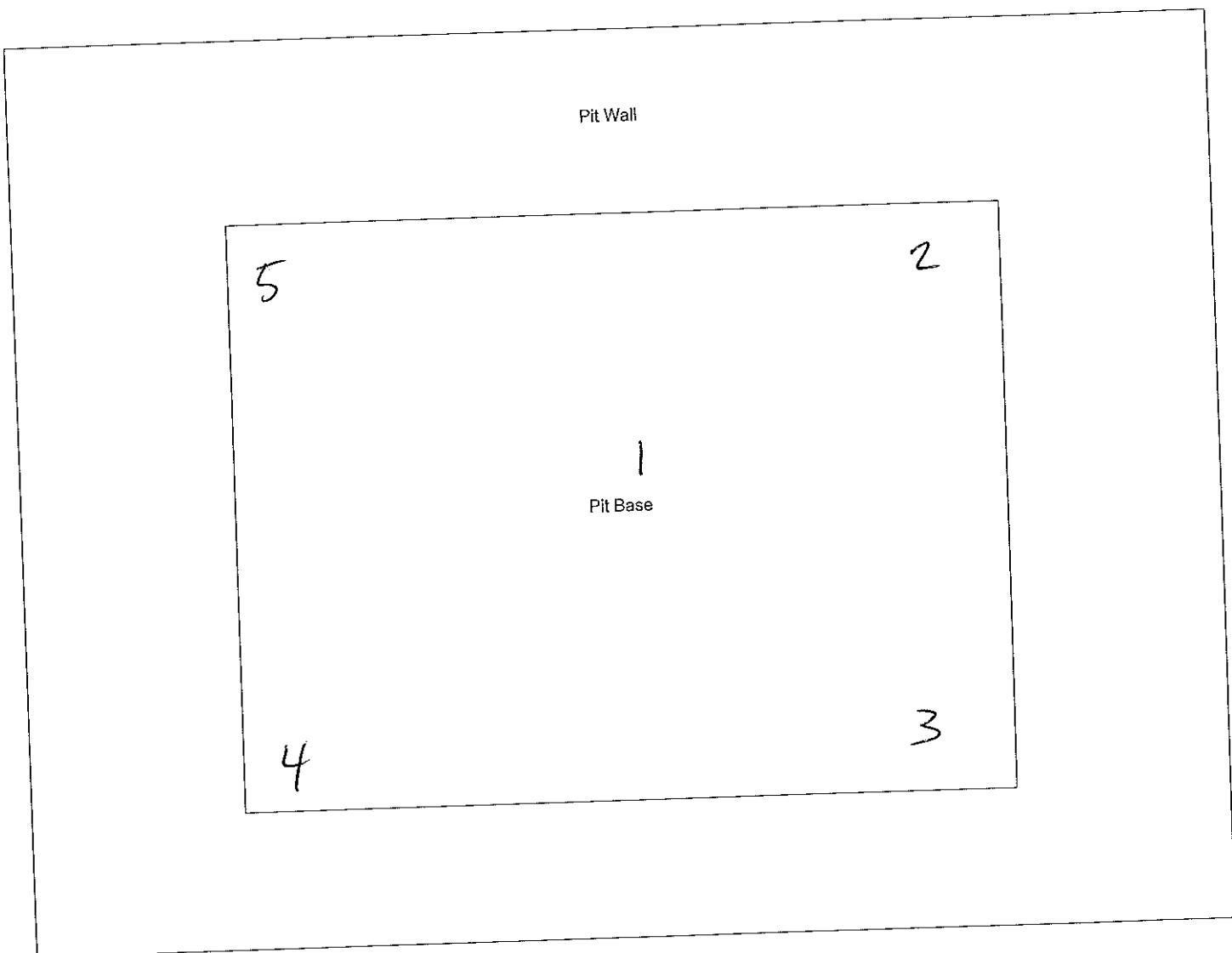
Retro Flag - 242 ppm

Sample Location Field Map

Location: Cathedral Federal A-20-35-101W
Date: 8/5/10
Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.



Notes: pit covered by bird net, removed to collect samples. New growth present in veg., no liquid

Retro Flag - 441 ppm

Sample Location Field Map

Location: Cathedral Federal 22-2
Date: 8/6/10
Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.

Pit Wall

5

2

1

Pit Base

4

3

Notes: Pit is large in size, 10ft deep, 10x15 ft.
No Odor or liquid

Retro Flag- 503 ppm

Sample Location Field Map

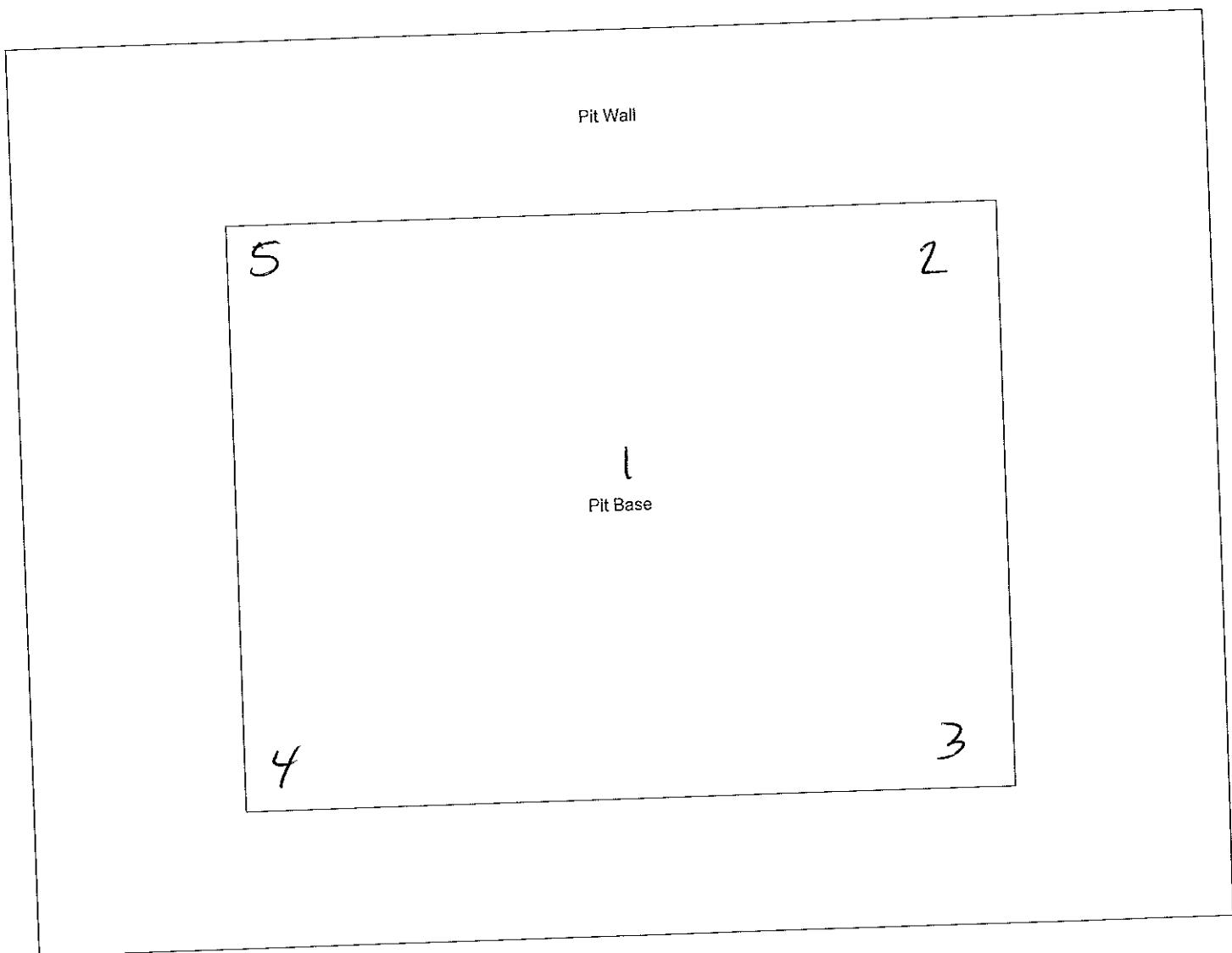
Location: GOV 1-3

Date: 8/6/10

Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.



Notes: No liquid, Slight odor

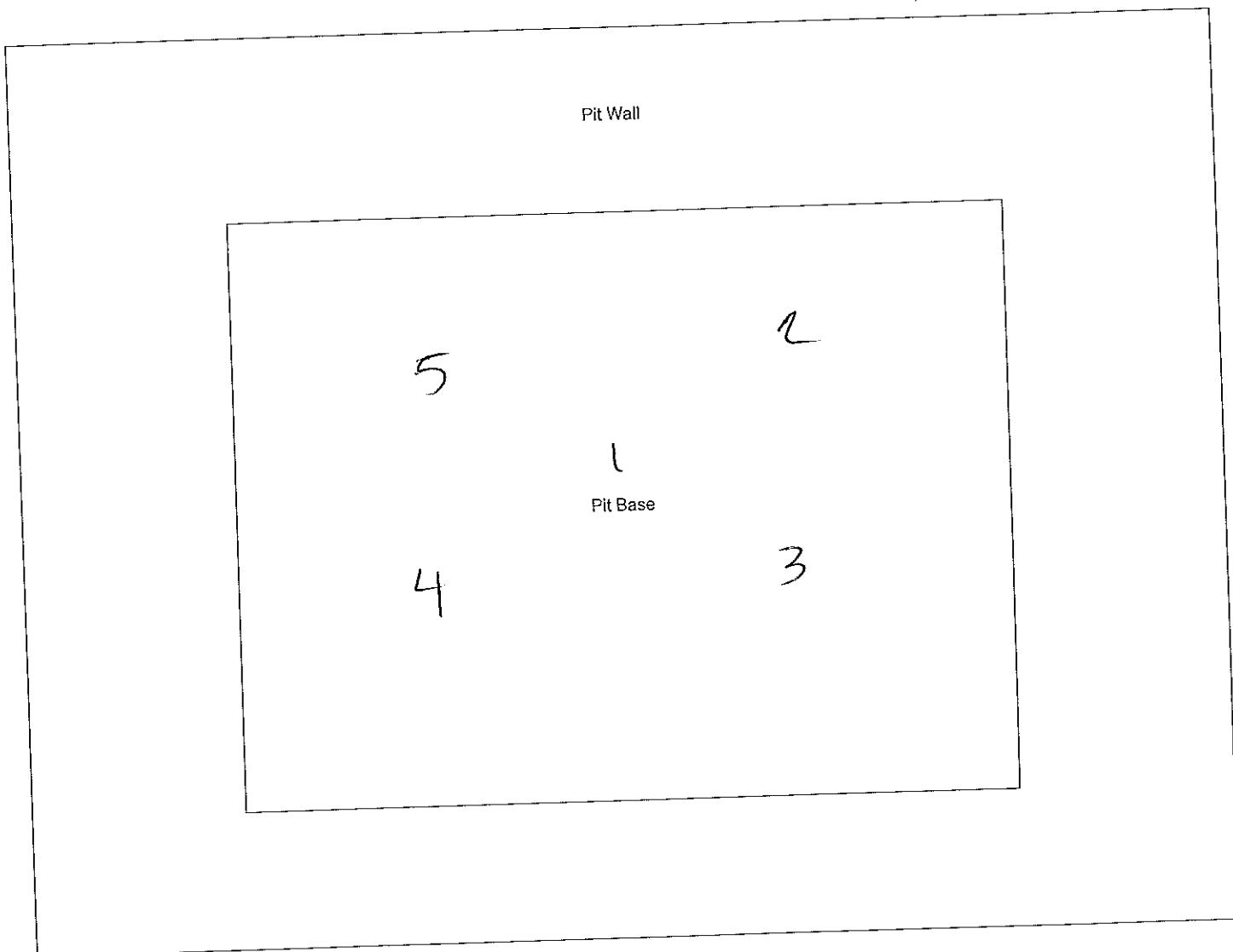
Retro Flag - 243 ppm

Sample Location Field Map

Location: 7414 Foundation Creek
Date: 8/6/10
Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.



Notes: Bird net covering pit, was removed for Sampling. Odor (strong HC) & liquid in pit

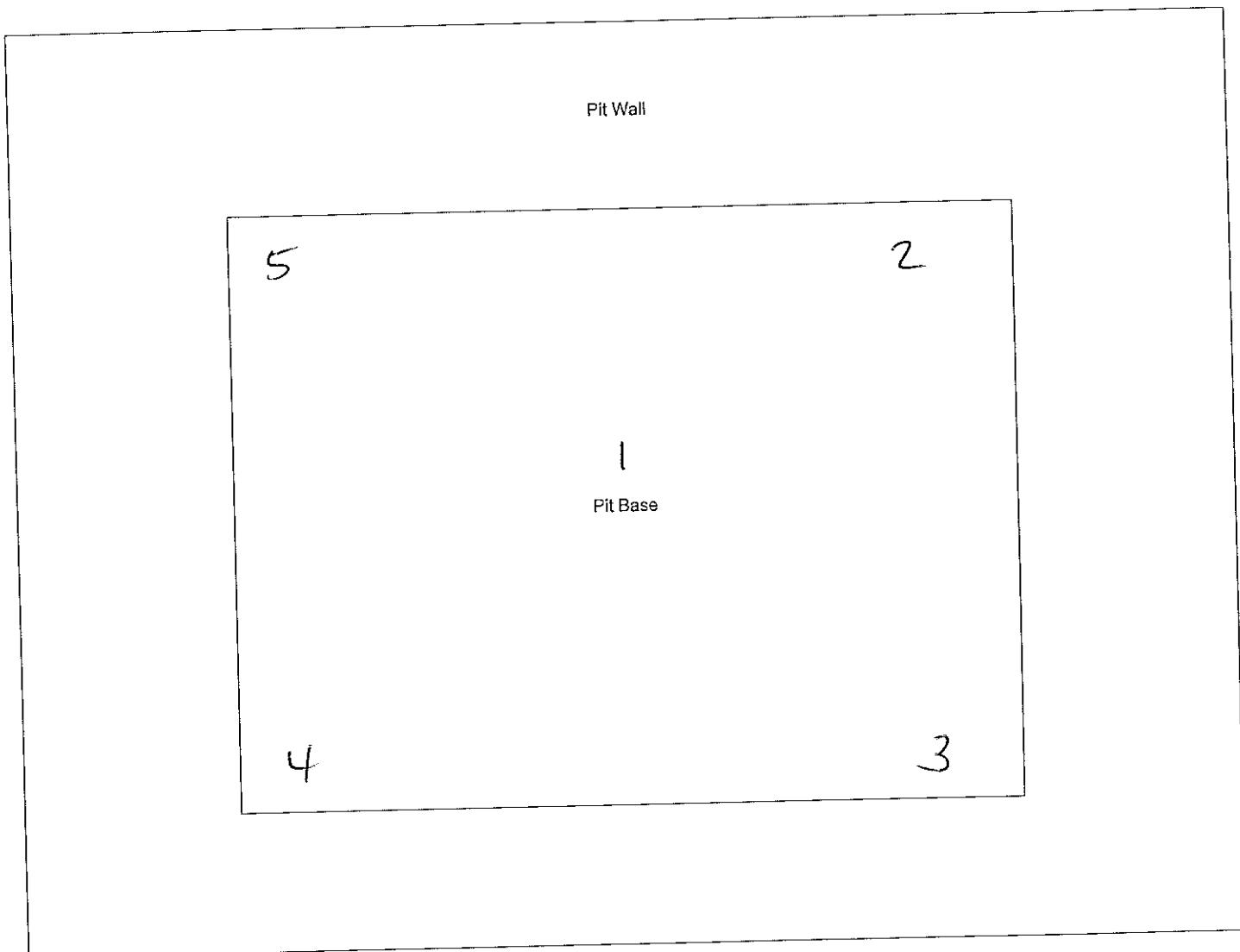
Retro Flag - 1904 ppm

Sample Location Field Map

Location: SDE 7302 South Douglas Creek
Date: 8/9/10
Sampler Name(s): Anne Opitz



Indicate the lowest point of the pit and sample locations on pit map.



Notes: liquid in pit, extremely strong HC odor, soil grey in color.
location Did not have a sign

Retro Flag - 760 ppm

Sample Location Field Map

Location: 7712 Douglas Pass Unit

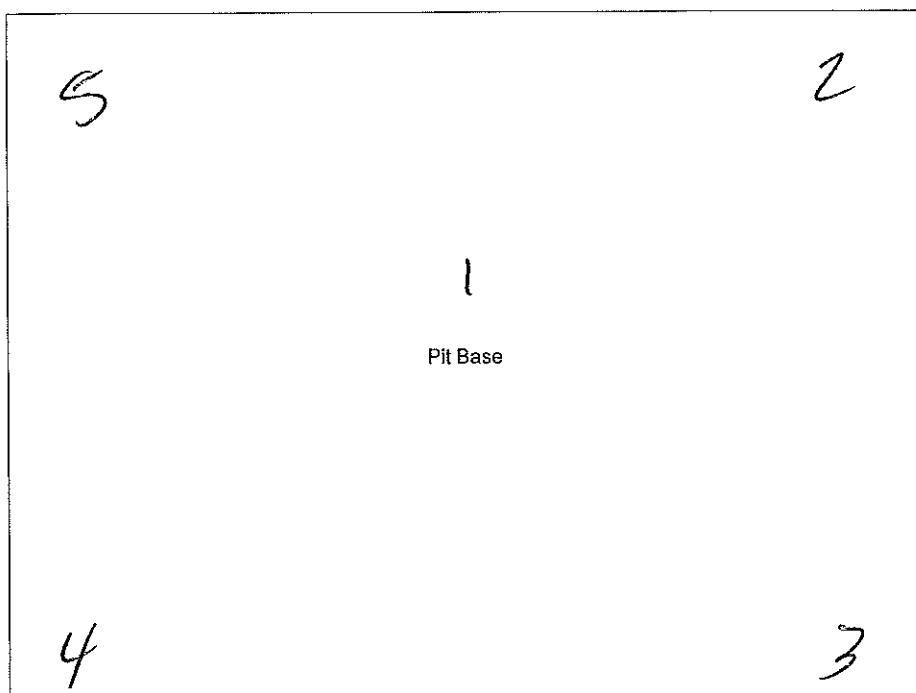
Date: 8/9/10

Sampler Name(s): Anne Opite



Indicate the lowest point of the pit and sample locations on pit map.

Pit Wall



Notes:

Pit contained liquid and
Slight odor of H₂S, liquid green/brown
in color

Retro Flag - 1144 ppm