FORM
27
Rev 6/99

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

OGCC Employee:
☐ Spill ☐ Complaint
☐ Inspection ☐ NOAV
Tracking No:

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.

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

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

OGCC Operator Number: 96850
Name of Operator: Williams Production RMT Company
Address: 1058 Country Road 215
City: Parachute State: CO Zip: 81635

Contact Name and Telephone:
Karolina Blaney
No: 970-683-2295
Fax: 970-285-9573

API Number: 05-045-06903
County: Garfield
Facility Name: Clough RMV 8-16 Completion Fluids Facility
Facility Number: N/A
Well Name: Clough RMV 8-16
Well Number: N/A
Location: (QtrQtr, Sec, Twp, Rng, Meridian): NENW, Sec 16, T6S, R94W, 6th PM Latitude: 39.532036 Longitude: -107.897358

TECHNICAL CONDITIONS

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

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.): Rangeland, Non-irrigated

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Nihill Channery, Soil comples/series No.47

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Surface water ~100 ft to the east, water wells ~3607, ground water depth ~50 ft

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

Impacted Media (check):	Extent of Impact:	How Determined:
☑ Soils	See Attached Notice of Competion Report	field screening, visual observations, and lab analytical confirmation sampling
☐ Vegetation		
☐ Groundwater		
☐ Surface Water		

REMEDIATION WORKPLAN

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

See attached Noticed of Completion Report for Remediation # 5062

Describe how source is to be removed:

See attached Noticed of Completion Report for Remediation # 5062

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.:

See attached Noticed of Completion Report for Remediation # 5062

Submit Page 2 with Page 1

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Page 2

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

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

REMEDIATION WORKPLAN (Cont.)

OGCC Employee:

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

See attached Noticed of Completion Report for Remediation # 5062

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 attached Noticed of Completion Report for Remediation # 5062

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 attached Noticed of Completion Report for Remediation # 5062

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

See attached Noticed of Completion Report for Remediation # 5062

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: June 18, 2010	Date Site Investigation Completed: June 18, 2010	Date Remediation Plan Submitted: November 20, 2009
Remediation Start Date: August 30, 2010	Anticipated Completion Date: October 1, 2010	Actual Completion Date: October 18, 2010

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

Print Name: Karolina Blaney Signed: Karolina Blaney

Title: Environmental Specialist Date: 2/10/2011

OGCC Approved: _____ Title: For Chris Canfield Date: 02/11/2011

EPS NW Region

WILLIAMS PRODUCTION RMT COMPANY

NORTH RULISON FIELD

NOTICE OF COMPLETION REPORT FOR REMEDIATION #5062

February 2011

Prepared For:

1058 County Road 215
P.O. Box 370
Parachute, Colorado 81635

Prepared By:

744 Horizon Court, Suite 140
Grand Junction, CO 81506
Phone: 970-243-3271
Fax: 970-243-3280

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Form 27 Attachment

Introduction

The purpose of this Notice of Completion report – for the closure of the Clough RMV 8-16 completions pit (hereinafter also referred to as RMV 8-16) – is to provide detailed information and findings analysis for the previously submitted and approved Colorado Oil and Gas Conservation Commission (COGCC) Site Investigation and Remediation Workplan, Form 27. This report will provide the documentation necessary to demonstrate a comprehensive and diligent investigation of the pit and adjacent environment which was obtained as described and in accordance with all appropriate county, state and federal rules and regulations.

The subject Form 27 was delivered via electronic email on January 1, 2010. Preliminary approval to proceed with closure of the subject pit was issued by the COGCC and obtained by Williams Production RMT Company (Williams) on June 18, 2010; at which time the aforementioned remediation number was issued. Closure activities began on August 30, 2010 and were concluded on December 12, 2010. Information included in this report includes, but is not limited to: field screening results; laboratory analytical; subliner soil remediation; liner recycling; pit sludge disposal; and complete backfilling of the completion pit.

Evacuation of Pit Contents

Remaining pit fluids were removed using hydro-vac trucks and hauling the water/sludge to a filter press location. The sludge was then pressed through a filter, removing the free liquids and leaving behind a powder/sand material to be properly characterized and disposed of.

Any residual liquid present on the liner was allowed to dry prior to removal of the liner and subsequent management of the solid waste material. Warm summer temperatures allowed residual fluids on the liner to dry.

Filter press powder/sand present on the removed liner was scaled from the liner and placed in a secondary containment cell. There materials were then profiled for disposal to ECDC Environmental LC, in East Carbon, Utah.

Background Sampling

Three (3) samples were collected from the up-gradient undisturbed hillside surrounding the pad. All background samples were analyzed for arsenic as well as additional analysis at one location which included inorganic parameters of COGCC Table 910-1(i.e. SAR, EC, pH). Refer to Table 3 and Appendix 3 for background sampling results.

Pit Liner Investigation and Integrity Assessment

The pit liner system – containing two layers of poly synthetic material/liner and one layer of felt – contained minimal tearing along the pit walls and along the bottm of the pit. It was discovered that 5 holes, roughly 1 inch in diameter were present in the southeast corner, above the high water marks.

Although no holes or tears were noticed along the pit bottom, the integrity of the pit containment system could not be confirmed until the lining material was removed and the subliner soils were investigated (See "subliner soil investigation" section below).

Pit Liner Removal

Removal of the pit liners consisted of a crew cutting the liner along the crest of the pit at an elevation adjacent to the surface of the well pad. A trackhoe bucket was utilized to grab sections of the liner for extraction and place them in a lined earthen bermed containment cell for subsequent management. Sections of liner that contained residual or trace amounts of sludge were pulled onto the pad and allowed to dry. Any residuals were managed appropriately with their characterization and were properly disposed of with the filter press powder/sand as aforementioned. Liners were placed in a lined bermed containment pending recycling.

Subliner Soil Investigation and Activities

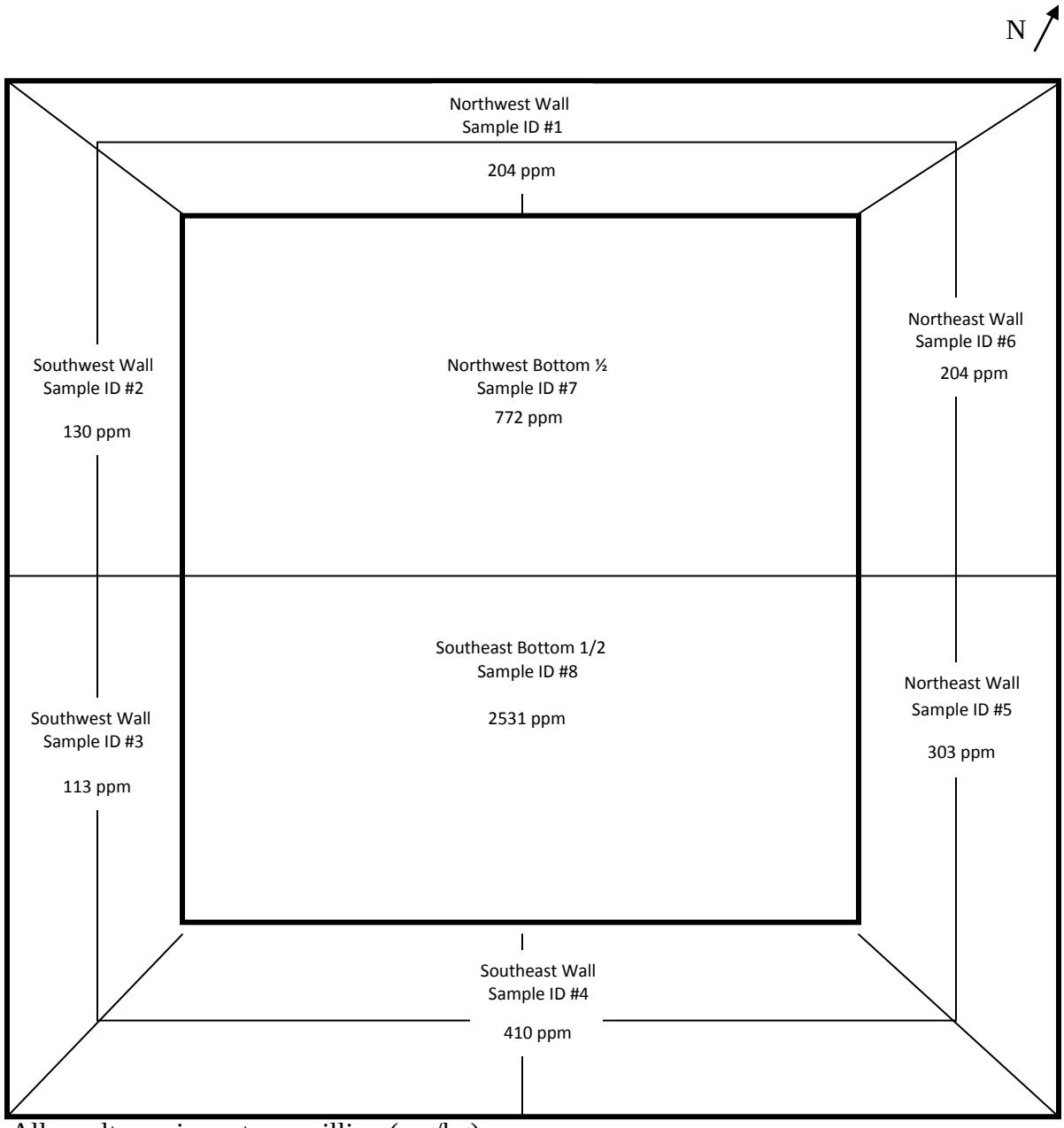
Subliner soils, examined below the pit lining, were inspected visually and field screened using a Petroflag Hydrocarbon Unit (PetroFlag©) to identify areas which may exceed standards set forth in Table 910-1 of the COGCC 900-Series Rule for hydrocarbons within the soil. Soils on the pit floor were slightly stained and contained a mild hydrocarbon odor, indicating that there may have been a minor leak from the pit liner.

No visual staining or signs of hydrocarbon impacts were observed on the pit walls during inspection. Field screening results indicated that no impacts are present above 500 ppm and thereby warranted no excavation.

Figure 1 outlines the pit bottom sample locations and field screening results associated with the pit bottom and walls. Figure 2 is a GIS map of the pit outlining sample locations within the pit as well as background sample locations from the nearby uphill undisturbed soil.

Figure 1

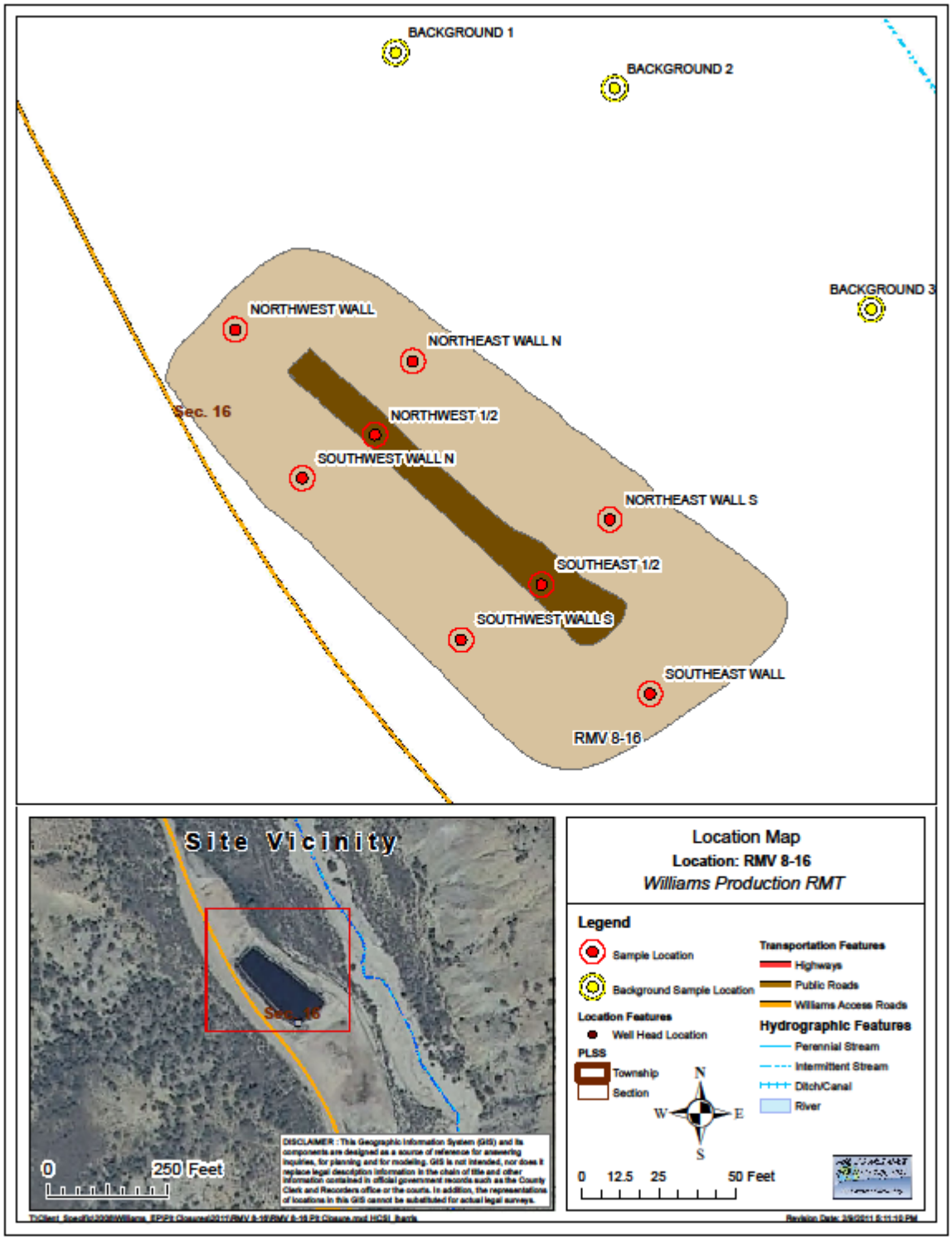
PetroFlag Field Screening Results and Pit Sampling ID Layout



All results are in part per million (mg/kg)

Figure 2

GIS Map of Sampling Locations



Hydrocarbon concentrations from laboratory confirmation analyses of the pit walls are provided in Table 1; additional details may be acquired by reviewing the raw analytical data presented in Appendix 1. Analytical data presented in Table 2 indicates that the south half pit bottom exceeds hydrocarbon concentration in the TEPH range and required bioremediation treatment.

- Confirmation samples, in accordance with Rule 905.b.(4), were collected from each of the side walls at a position that was centered vertically and horizontally on the wall face for confirmation of compliance with all appropriate sections of COGCC Rule 910 and specifically Table 910-1; as well as verification of field screening analysis. Grab samples were collected from the base of the pit to demonstrate compliance in accordance with Rule 905.b.(1).
- A Trimble Geo XT 2008 was used to collect GPS locations of each field screen location as well as confirmation sample locations from the pit walls and pit footprint.

Remediation Activities

Soil containing dark stains and a hydrocarbon odor located on the pit bottom were field screened utilizing a Petroflag© Hydrocarbon Unit (Petroflag©) and revealed cursory that hydrocarbon concentrations which exceeded 500 ppm and required remediation.

It was determined that since the hydrocarbon impacts were within the first 18 inches of the pit bottom, in-situ bioremediation would be utilized to treat the hydrocarbon impacts.

Sample Analysis

See attached Table 1 (additional detail provided in Appendix 1) for summary of pit wall raw analytical results, Table 2 (additional detail provided in Appendix 2) provides raw analytical results for the pit bottom, and Table 3 for background samples collected from nearby uphill undisturbed soil (additional detail provided in Appendix 2).

Management of Stockpiled Material

The pit liner was segregated according to material and placed in a bermed containment. Plastic lining material was placed in the south end of the containment and felt liners were placed on the north end. High Plains Services compressed and collected the liners, banding them to pallets for transportation to be recycled.

Pit sludge remaining in the bottom of the pit were removed and placed in a filter press, removing all free liquid. Remaining sand/powder was placed in a lined bermed containment cell and profiled for disposal to ECDC environmental.

Backfill Material

Additional backfill material was utilized during reclamation of the well pad by utilizing the stockpiled soil from the initial excavation of the pit are surrounding native soil.

- The soil was placed in lifts and was not compacted beyond the point of making an impenetrable layer but sufficient to suppose subsequent operations and prevent subsidence.
- The pit was reclaimed in accordance with the COGCC 1000 Series Rule in addition to all SUA/COA's per the land owner.

Exceptions to COGCC Table 910-1

The only exceedances with COGCC Table 910-1 are within the confines of constituents listed for inorganics and metals (i.e. arsenic). The materials were placed and managed in accordance with the COGCC 1000 Series Rules as per landowner SUA/COA's. Refer to Appendix 4 for the Sundry Notice for consideration of background arsenic concentrations in the immediate area of the subject facility.

Analytical Data Management

See Appendix 1 for pre excavated pit wall raw analytical data, Appendix 2 for post treated pit bottom soil, and Appendix 3 contains analytical results from background sampling.

Figures

Figure 3

Reclamation of the pit after being backfilled and re-contoured

Tables

Table 1: Pre Excavation Pit Wall Analytical Results

PRE-EXCAVATION PIT BOTTOM	SAMPLE LOCATIONS					
	Wall #1	Wall #2	Wall #3	Wall #4	Wall 5	Wall 6
TEPH (DRO)	38.2	15.8	35.3	29.8	290	33.3
TVPH (GRO)	ND	1.70	3.16	4.00	8.86	4.72
BENZENE	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND
XYLENE TOTAL	ND	ND	.0162	ND	ND	ND
ACENAPHTHENE	ND	ND	ND	ND	ND	ND
ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND
ANTHRACENE	ND	ND	ND	ND	ND	ND
BENZO(A)ANTRHACENE	ND	ND	ND	ND	ND	ND
BENZO(A)PYRENE	ND	ND	ND	ND	ND	ND
BENZO(B)FLUORANTHENE	ND	ND	ND	ND	ND	ND
BENZO(G,H,I)PERYLENE	ND	ND	ND	ND	ND	ND
BENZO(K)FLUORANTHENE	ND	ND	ND	ND	ND	ND
CHRYSENE	ND	ND	ND	ND	ND	ND
DIBENZO(A,H)ANTHRANCENE	ND	ND	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND	ND	ND
FLUORENE	ND	ND	ND	ND	ND	ND
INDENO(1,2,3-CD)PYRENE	ND	ND	ND	ND	ND	ND
1-METHYLNAPHTHALENE	ND	.0038	.0057	0.0046	.0038	0.0052
2-METHYLNAPHTHALENE	.002	.0068	0.013	0.0116	.0100	0.0125
NAPHTHALENE	.003	.0078	0.0098	.0153	.0070	0..0094
PHENANTHRENE	ND	.0016	0.0094	0.0054	.0036	0.0064
PYRENE	ND	ND	0.0148	ND	ND	ND
ARSENIC	8.8	10.2	10.2	8.3	7.8	11.8
BARIUM	1330	2380	749	673	4220	1080
CADMIUM	0.75	0.77	0.52	0.51	0.94	0.63
CHROMIUM	14.7	14.3	13.0	12.8	13.9	13.8
CHROMIUM (III)	14.4	13.7	12.1	12.1	13.8	12.9
CHROMIUM (IV)	0.29	0.61	0.91	0.68	0.15	0.88
COPPER	12.5	16.0	11.1	10.8	12.9	12.4
LEAD	13.4	14.5	11.8	11.2	13.0	12.4
MERCURY	0.032	0.030	0.035	0.034	0.029	0.037
NICKEL	19.8	20.1	16.2	15.7	17.9	18.7
SELENIUM	0.53	0.50	0.68	0.57	0.64	0.86
SILVER	0.068	0.071	0.077	0.069	0.070	0.073
ZINC	79.5	69.5	57.2	64.9	62.8	73.1
SODUIM ABSORBTION RATIO (unitless)	21.4	15.5	24.7	28.2	20.0	35.6
ELECTRICAL CONDUCTIVITY (mmhos/cm)	1330	989	4490	4140	2840	3720
Ph (unitless)	9.39	8.77	8.07	7.41	8.71	8.41
CALCIUM	91.5	287	754	725	367	991
MAGNESIUM	15.7	89.3	57.1	123	106	222
SODIUM	843	1170	2620	3120	1690	4770

Exceedances are highlighted in yellow.
Note: all results are in, mg/kg = milligram per kilogram, unless noted otherwise

Table 2: Post Treatment of Pit Bottom

Post Treatment of Pit Bottoms	Pit Bottom - North Half (#7) 11/1/2010	Pit Bottom - South Half (#8) 11/1/2010	Pit Bottom - South Half (#8) 11/18/2010
TEPH (DRO)	340	580	18
TVPH (GRO)	0.84	0.70	
BENZENE	ND	0.0032	
TOLUENE	0.0022	0.0093	
ETHYLBENZENE	0.001	0.0022	
XYLENE TOTAL	0.079	0.18	
ACENAPHTHENE	0.08	0.018	
ACENAPHTHYLENE	ND	ND	
ANTHRACENE	0.013	0.0045	
BENZO(A)ANTRHACENE	ND	ND	
BENZO(A)PYRENE	ND	ND	
BENZO(B)FLUORANTHENE	ND	ND	
BENZO(G,H,I)PERYLENE	ND	ND	
BENZO(K)FLUORANTHENE	ND	ND	
CHRYSENE	ND	ND	
DIBENZO(A,H)ANTHRANCENE	ND	ND	
FLUORANTHENE	ND	ND	
FLUORENE	0.05	0.024	
INDENO(1,2,3-CD)PYRENE	ND	ND	
NAPHTHALENE	0.058	0.057	
PHENANTHRENE	0.028	0.038	
PYRENE	0.0045	0.0036	
ARSENIC	5.99	5.88	
BARIUM	1090	2970	
CADMIUM	0.496	0.485	
CHROMIUM	6.85	6.39	
CHROMIUM (III)	6.85	5.56	
CHROMIUM (IV)	ND	0.835	
COPPER	8.45	8.38	
LEAD	7.96	7.94	
MERCURY	0.0172	0.0214	
NICKEL	11.2	10.7	
SELENIUM	0.956	0.959	
SILVER	0.0628	0.0539	
ZINC	37.5	38.5	
SODUIM ABSORBTION RATIO (unitless)	12.48	6.6	
ELECTRO CONDUCTIVITY (mmhos/cm)	6.46	5.5	
pH (unitless)	8	7.9	
CALCIUM	18.71	21.3	
MAGNESIUM	3.82	4.26	
SODIUM	41.9	23.6	

All results are in, mg/kg = milligram per kilogram, unless noted otherwise

Table 3: Background Analytical Results

	Arsenic	Sodium Absorption Ratio	Electro Conductivity	pH
BKGD 1	7.0			
BKGD 2	4.1			
BKGD 3	5.2	18.6	0.53	9.2

Note: All results are in mg/kg = milligram per kilogram, unless noted otherwise

Appendix 1: Pre Excavation Pit Walls

Gulf Coast ACCUTEST LABORATORIES

10/14/10

Technical Report for

HRL Compliance Solutions, Inc.

HRL Compliance Solutions

RMV 8-16 Pit Closure

Accutest Job Number: T60353

Sampling Date: 09/17/10

Report to:

HRL Compliance Solutions, Inc.

mmumby@hrlcomp.com

ATTN: Mark Mumby

Total number of pages in report: **105**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Paul K Canevaro

Paul Canevaro
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-09C-TX) AR (88-0756) FL (E87628) KS (E-10366) LA (85695/04004) OK (9103)

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Sections:

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Accutest Laboratories

Sample Summary

HRL Compliance Solutions, Inc.

Job No: T60353

HRL Compliance Solutions
Project No: RMV 8-16 Pit Closure

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
T60353-1	09/17/10	12:20		09/22/10	SO	Soil	WALL 1
T60353-1A	09/17/10	12:20		09/22/10	SO	Soil	WALL 1
T60353-2	09/17/10	12:20		09/22/10	SO	Soil	WALL 2
T60353-2A	09/17/10	12:20		09/22/10	SO	Soil	WALL 2
T60353-3	09/17/10	12:30		09/22/10	SO	Soil	WALL 3
T60353-3A	09/17/10	12:30		09/22/10	SO	Soil	WALL 3
T60353-4	09/17/10	12:40		09/22/10	SO	Soil	WALL 4
T60353-4A	09/17/10	12:40		09/22/10	SO	Soil	WALL 4
T60353-5	09/17/10	12:50		09/22/10	SO	Soil	WALL 5
T60353-5A	09/17/10	12:50		09/22/10	SO	Soil	WALL 5
T60353-6	09/17/10	13:00		09/22/10	SO	Soil	WALL 6
T60353-6A	09/17/10	13:00		09/22/10	SO	Soil	WALL 6

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 1		
Lab Sample ID:	T60353-1	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8260B	**Percent Solids:**	91.4
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0042555.D	1	09/24/10	FI	n/a	n/a	VY2626
Run #2							

	Initial Weight	Final Volume
Run #1	5.07 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.3	0.75	ug/kg	
108-88-3	Toluene	ND	4.3	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	4.3	0.97	ug/kg	
1330-20-7	Xylene (total)	ND	13	2.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-121%
2037-26-5	Toluene-D8	99%		76-132%
460-00-4	4-Bromofluorobenzene	112%		73-165%
17060-07-0	1,2-Dichloroethane-D4	87%		57-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 1		
Lab Sample ID:	T60353-1	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	91.4
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J155412.D	1	09/24/10	SC	09/23/10	OP16164	EJ941
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	7.3	1.2	ug/kg	
208-96-8	Acenaphthylene	ND	7.3	2.6	ug/kg	
120-12-7	Anthracene	ND	7.3	1.4	ug/kg	
56-55-3	Benzo(a)anthracene	ND	7.3	1.2	ug/kg	
50-32-8	Benzo(a)pyrene	ND	7.3	3.9	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	7.3	3.9	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	7.3	7.3	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	7.3	4.7	ug/kg	
218-01-9	Chrysene	ND	7.3	1.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	7.3	7.0	ug/kg	
206-44-0	Fluoranthene	ND	7.3	1.6	ug/kg	
86-73-7	Fluorene	ND	7.3	2.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	7.3	5.5	ug/kg	
90-12-0	1-Methylnaphthalene	ND	7.3	1.3	ug/kg	
91-57-6	2-Methylnaphthalene	2.0	7.3	1.3	ug/kg	J
91-20-3	Naphthalene	3.0	7.3	1.1	ug/kg	J
85-01-8	Phenanthrene	ND	7.3	1.0	ug/kg	
129-00-0	Pyrene	ND	7.3	2.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		10-127%
321-60-8	2-Fluorobiphenyl	85%		11-133%
1718-51-0	Terphenyl-d14	111%		15-187%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 1		
Lab Sample ID:	T60353-1	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8015	**Percent Solids:**	91.4
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB0002302.D	1	09/23/10	AT	n/a	n/a	GBB128
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.24 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.7	0.34	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		46-127%
98-08-8	aaa-Trifluorotoluene	101%		44-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 1
Lab Sample ID: T60353-1
Matrix: SO - Soil
Method: SW846 8015 M SW846 3550B
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 91.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ7100.D	1	09/23/10	EM	09/23/10	OP16163	GJF64
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	38.2	3.6	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		33-115%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 1
Lab Sample ID: T60353-1
Matrix: SO - Soil
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 91.4

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	8.8	0.55	0.12	mg/kg	5	09/28/10	09/28/10	ANJ	SW846 6020A [3]	SW846 3050B [6]
Barium	1330	12	0.080	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Cadmium	0.75	0.29	0.016	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Chromium	14.7	0.59	0.027	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Copper	12.5	1.5	0.065	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Lead	13.4	0.59	0.059	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Mercury	0.032	0.018	0.0070	mg/kg	1	09/23/10	09/23/10	CN	SW846 7471A [1]	SW846 7471A [4]
Nickel	19.8	2.3	0.067	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Selenium	0.53 B	0.59	0.17	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Silver	0.068 U	0.59	0.068	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Zinc	79.5	1.2	0.098	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA5119
(2) Instrument QC Batch: MA5135
(3) Instrument QC Batch: N:MA25096
(4) Prep QC Batch: MP12936
(5) Prep QC Batch: MP12990
(6) Prep QC Batch: N:MP54902

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 1		
Lab Sample ID:	T60353-1	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
		Percent Solids:	91.4
Project:	HRL Compliance Solutions		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.29 B	2.2	mg/kg	1	10/02/10 08:00	KD	SW846 3060/7196A
Chromium, Trivalent [a]	14.4	2.7	mg/kg	1	10/02/10 08:00	KD	SW846 6010/7196A M
Solids, Percent	91.4		%	1	09/24/10	LA	SM 2540 G
Specific Conductivity	1330	1.0	umhos/cm	1	09/24/10 09:30	MC	EPA 120.1
pH	9.39		su	1	09/28/10 13:18	LA	SW846 9045C

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 1
Lab Sample ID: T60353-1A
Matrix: SO - Soil
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 91.4

SAR Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	91.5	25	0.12	mg/l	5	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]
Magnesium	15.7 B	25	0.040	mg/l	5	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]
Sodium	843	25	0.52	mg/l	5	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]

(1) Instrument QC Batch: MA5144
(2) Prep QC Batch: MP13012

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 1		
Lab Sample ID:	T60353-1A	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
		Percent Solids:	91.4
Project:	HRL Compliance Solutions		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	21.4		ratio	1	10/04/10 13:25	TW	LADNR29B

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 2		
Lab Sample ID:	T60353-2	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8260B	**Percent Solids:**	89.5
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0028581.D	1	09/27/10	FI	n/a	n/a	VM1166
Run #2							

	Initial Weight	Final Volume
Run #1	5.37 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.2	0.73	ug/kg	
108-88-3	Toluene	ND	4.2	0.99	ug/kg	
100-41-4	Ethylbenzene	ND	4.2	0.94	ug/kg	
1330-20-7	Xylene (total)	ND	12	2.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-121%
2037-26-5	Toluene-D8	91%		76-132%
460-00-4	4-Bromofluorobenzene	103%		73-165%
17060-07-0	1,2-Dichloroethane-D4	81%		57-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 2		
Lab Sample ID:	T60353-2	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	89.5
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J155435.D	1	09/24/10	SC	09/23/10	OP16164	EJ942
Run #2	J155452.D	20	09/27/10	SC	09/23/10	OP16164	EJ943

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2	30.3 g	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	7.4	1.2	ug/kg	
208-96-8	Acenaphthylene	ND	7.4	2.6	ug/kg	
120-12-7	Anthracene	ND	7.4	1.4	ug/kg	
56-55-3	Benzo(a)anthracene	ND	7.4	1.2	ug/kg	
50-32-8	Benzo(a)pyrene	ND	7.4	3.9	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	7.4	3.9	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	7.4	7.4	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	7.4	4.8	ug/kg	
218-01-9	Chrysene	ND	7.4	1.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	7.4	7.1	ug/kg	
206-44-0	Fluoranthene	ND	7.4	1.6	ug/kg	
86-73-7	Fluorene	ND	7.4	2.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	7.4	5.5	ug/kg	
90-12-0	1-Methylnaphthalene	3.8	7.4	1.4	ug/kg	J
91-57-6	2-Methylnaphthalene	6.8	7.4	1.3	ug/kg	J
91-20-3	Naphthalene	7.8	7.4	1.1	ug/kg	
85-01-8	Phenanthrene	1.6	7.4	1.0	ug/kg	J
129-00-0	Pyrene	ND	7.4	2.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	58%	62%	10-127%
321-60-8	2-Fluorobiphenyl	74%	96%	11-133%
1718-51-0	Terphenyl-d14	183%	96%	15-187%

(a) Internal standards are not within the advisory limits. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 2		
Lab Sample ID:	T60353-2	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8015	**Percent Solids:**	89.5
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB0002303.D	1	09/23/10	AT	n/a	n/a	GBB128
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.62 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.70	5.6	0.33	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		46-127%
98-08-8	aaa-Trifluorotoluene	102%		44-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 2
Lab Sample ID: T60353-2
Matrix: SO - Soil
Method: SW846 8015 M SW846 3550B
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 89.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IF201422.D	1	09/24/10	EM	09/23/10	OP16163	GIB1099
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	15.8	3.7	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		33-115%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 2
Lab Sample ID: T60353-2
Matrix: SO - Soil
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 89.5

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	10.2	0.58	0.13	mg/kg	5	09/28/10	09/28/10	ANJ	SW846 6020A [3]	SW846 3050B [6]
Barium	2380	12	0.084	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Cadmium	0.77	0.31	0.017	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Chromium	14.3	0.61	0.028	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Copper	16.0	1.5	0.068	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Lead	14.5	0.61	0.061	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Mercury	0.030	0.018	0.0074	mg/kg	1	09/23/10	09/23/10	CN	SW846 7471A [1]	SW846 7471A [4]
Nickel	20.1	2.4	0.070	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Selenium	0.50 B	0.61	0.17	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Silver	0.071 U	0.61	0.071	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Zinc	69.5	1.2	0.10	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA5119
(2) Instrument QC Batch: MA5135
(3) Instrument QC Batch: N:MA25096
(4) Prep QC Batch: MP12936
(5) Prep QC Batch: MP12990
(6) Prep QC Batch: N:MP54902

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 2
Lab Sample ID: T60353-2
Matrix: SO - Soil
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 89.5

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.61 B	2.2	mg/kg	1	10/02/10 08:00	KD	SW846 3060/7196A
Chromium, Trivalent [a]	13.7	2.8	mg/kg	1	10/02/10 08:00	KD	SW846 6010/7196A M
Solids, Percent	89.5		%	1	09/24/10	LA	SM 2540 G
Specific Conductivity	989	1.0	umhos/cm	1	09/24/10 09:30	MC	EPA 120.1
pH	8.77		su	1	09/28/10 13:18	LA	SW846 9045C

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 2
Lab Sample ID: T60353-2A
Matrix: SO - Soil
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 89.5

SAR Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	287	25	0.12	mg/l	5	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]
Magnesium	89.3	25	0.040	mg/l	5	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]
Sodium	1170	25	0.52	mg/l	5	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]

(1) Instrument QC Batch: MA5144
(2) Prep QC Batch: MP13012

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 2		
Lab Sample ID:	T60353-2A	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
		Percent Solids:	89.5
Project:	HRL Compliance Solutions		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	15.5		ratio	1	10/04/10 13:30	TW	LADNR29B

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 3		
Lab Sample ID:	T60353-3	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8260B	**Percent Solids:**	88.6
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0028582.D	1	09/27/10	FI	n/a	n/a	VM1166
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.5	0.79	ug/kg	
108-88-3	Toluene	ND	4.5	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	4.5	1.0	ug/kg	
1330-20-7	Xylene (total)	16.2	14	2.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		70-121%
2037-26-5	Toluene-D8	87%		76-132%
460-00-4	4-Bromofluorobenzene	100%		73-165%
17060-07-0	1,2-Dichloroethane-D4	77%		57-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 3		
Lab Sample ID:	T60353-3	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	88.6
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J155436.D	1	09/24/10	SC	09/23/10	OP16164	EJ942
Run #2	J155453.D	20	09/27/10	SC	09/23/10	OP16164	EJ943

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2	30.0 g	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	7.5	1.3	ug/kg	
208-96-8	Acenaphthylene	ND	7.5	2.6	ug/kg	
120-12-7	Anthracene	ND	7.5	1.4	ug/kg	
56-55-3	Benzo(a)anthracene	ND	7.5	1.2	ug/kg	
50-32-8	Benzo(a)pyrene	ND	7.5	4.0	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	7.5	4.0	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	7.5	7.5	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	7.5	4.9	ug/kg	
218-01-9	Chrysene	ND	7.5	1.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	7.5	7.3	ug/kg	
206-44-0	Fluoranthene	ND	7.5	1.6	ug/kg	
86-73-7	Fluorene	ND	7.5	2.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	7.5	5.6	ug/kg	
90-12-0	1-Methylnaphthalene	5.7	7.5	1.4	ug/kg	J
91-57-6	2-Methylnaphthalene	13.3	7.5	1.3	ug/kg	
91-20-3	Naphthalene	9.8	7.5	1.2	ug/kg	
85-01-8	Phenanthrene	9.4	7.5	1.1	ug/kg	
129-00-0	Pyrene	14.8	7.5	2.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	54%	62%	10-127%
321-60-8	2-Fluorobiphenyl	64%	87%	11-133%
1718-51-0	Terphenyl-d14	220% [b]	99%	15-187%

(a) Internal standards are not within the advisory limits. Confirmed by reanalysis.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 3		
Lab Sample ID:	T60353-3	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8015	**Percent Solids:**	88.6
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB0002304.D	1	09/23/10	AT	n/a	n/a	GBB128
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.30 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	3.16	6.0	0.36	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		46-127%
98-08-8	aaa-Trifluorotoluene	101%		44-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 3
Lab Sample ID: T60353-3
Matrix: SO - Soil
Method: SW846 8015 M SW846 3550B
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 88.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ7102.D	1	09/23/10	EM	09/23/10	OP16163	GJF64
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	35.3	3.7	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		33-115%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 3
Lab Sample ID: T60353-3
Matrix: SO - Soil
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 88.6

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	10.2	0.56	0.13	mg/kg	5	09/28/10	09/28/10	ANJ	SW846 6020A [3]	SW846 3050B [6]
Barium	749	13	0.091	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Cadmium	0.52	0.33	0.019	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Chromium	13.0	0.67	0.031	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Copper	11.1	1.7	0.074	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Lead	11.8	0.67	0.067	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Mercury	0.035	0.018	0.0071	mg/kg	1	09/23/10	09/23/10	CN	SW846 7471A [1]	SW846 7471A [4]
Nickel	16.2	2.7	0.076	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Selenium	0.68	0.67	0.19	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Silver	0.077 U	0.67	0.077	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Zinc	57.2	1.3	0.11	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA5119
(2) Instrument QC Batch: MA5135
(3) Instrument QC Batch: N:MA25096
(4) Prep QC Batch: MP12936
(5) Prep QC Batch: MP12990
(6) Prep QC Batch: N:MP54902

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 3		
Lab Sample ID:	T60353-3	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
		Percent Solids:	88.6
Project:	HRL Compliance Solutions		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.91 B	2.2	mg/kg	1	10/02/10 08:00	KD	SW846 3060/7196A
Chromium, Trivalent [a]	12.1	2.9	mg/kg	1	10/02/10 08:00	KD	SW846 6010/7196A M
Solids, Percent	88.6		%	1	09/24/10	LA	SM 2540 G
Specific Conductivity	4490	1.0	umhos/cm	1	09/24/10 09:30	MC	EPA 120.1
pH	8.07		su	1	09/28/10 13:18	LA	SW846 9045C

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 3
Lab Sample ID: T60353-3A
Matrix: SO - Soil
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 88.6

SAR Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	754	25	0.12	mg/l	5	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]
Magnesium	57.1	25	0.040	mg/l	5	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]
Sodium [a]	2620	50	1.0	mg/l	10	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]

(1) Instrument QC Batch: MA5144
(2) Prep QC Batch: MP13012

(a) Elevated reporting limit due to sample over calibration range.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 3		
Lab Sample ID:	T60353-3A	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
		Percent Solids:	88.6
Project:	HRL Compliance Solutions		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	24.7		ratio	1	10/04/10 14:11	TW	LADNR29B

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 4		
Lab Sample ID:	T60353-4	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8260B	**Percent Solids:**	98.3
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0028583.D	1	09/27/10	FI	n/a	n/a	VM1166
Run #2							

	Initial Weight	Final Volume
Run #1	5.10 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.0	0.70	ug/kg	
108-88-3	Toluene	ND	4.0	0.95	ug/kg	
100-41-4	Ethylbenzene	ND	4.0	0.90	ug/kg	
1330-20-7	Xylene (total)	ND	12	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-121%
2037-26-5	Toluene-D8	91%		76-132%
460-00-4	4-Bromofluorobenzene	98%		73-165%
17060-07-0	1,2-Dichloroethane-D4	86%		57-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 4		
Lab Sample ID:	T60353-4	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	98.3
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J155437.D	1	09/24/10	SC	09/23/10	OP16164	EJ942
Run #2	J155454.D	20	09/27/10	SC	09/23/10	OP16164	EJ943

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2	30.1 g	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	6.8	1.1	ug/kg	
208-96-8	Acenaphthylene	ND	6.8	2.4	ug/kg	
120-12-7	Anthracene	ND	6.8	1.3	ug/kg	
56-55-3	Benzo(a)anthracene	ND	6.8	1.1	ug/kg	
50-32-8	Benzo(a)pyrene	ND	6.8	3.6	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	6.8	3.6	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	6.8	6.8	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	6.8	4.4	ug/kg	
218-01-9	Chrysene	ND	6.8	1.7	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	6.8	6.5	ug/kg	
206-44-0	Fluoranthene	ND	6.8	1.5	ug/kg	
86-73-7	Fluorene	ND	6.8	2.4	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	6.8	5.1	ug/kg	
90-12-0	1-Methylnaphthalene	4.6	6.8	1.3	ug/kg	J
91-57-6	2-Methylnaphthalene	11.6	6.8	1.2	ug/kg	
91-20-3	Naphthalene	15.3	6.8	1.0	ug/kg	
85-01-8	Phenanthrene	5.4	6.8	0.95	ug/kg	J
129-00-0	Pyrene	ND	6.8	2.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	23%	65%	10-127%
321-60-8	2-Fluorobiphenyl	63%	86%	11-133%
1718-51-0	Terphenyl-d14	255% [b]	98%	15-187%

(a) Internal standards are not within the advisory limits. Confirmed by reanalysis.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 4		
Lab Sample ID:	T60353-4	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8015	**Percent Solids:**	98.3
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0001550.D	1	09/27/10	AT	n/a	n/a	GHH78
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.06 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4.00	5.1	0.31	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		46-127%
98-08-8	aaa-Trifluorotoluene	94%		44-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 4		
Lab Sample ID:	T60353-4	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	98.3
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IF201423.D	1	09/24/10	EM	09/23/10	OP16163	GIF1099
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	29.8	3.3	2.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	61%		33-115%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 4
Lab Sample ID: T60353-4
Matrix: SO - Soil
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 98.3

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	8.3	0.50	0.11	mg/kg	5	09/28/10	09/28/10	ANJ	SW846 6020A [3]	SW846 3050B [6]
Barium	673	12	0.082	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Cadmium	0.51	0.30	0.017	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Chromium	12.8	0.59	0.027	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Copper	10.8	1.5	0.066	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Lead	11.2	0.59	0.059	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Mercury	0.034	0.017	0.0067	mg/kg	1	09/23/10	09/23/10	CN	SW846 7471A [1]	SW846 7471A [4]
Nickel	15.7	2.4	0.068	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Selenium	0.57 B	0.59	0.17	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Silver	0.069 U	0.59	0.069	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Zinc	64.9	1.2	0.099	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA5119
(2) Instrument QC Batch: MA5135
(3) Instrument QC Batch: N:MA25096
(4) Prep QC Batch: MP12936
(5) Prep QC Batch: MP12990
(6) Prep QC Batch: N:MP54902

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 4
Lab Sample ID: T60353-4
Matrix: SO - Soil
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 98.3

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.68 B	2.0	mg/kg	1	10/02/10 08:00	KD	SW846 3060/7196A
Chromium, Trivalent [a]	12.1	2.6	mg/kg	1	10/02/10 08:00	KD	SW846 6010/7196A M
Solids, Percent	98.3		%	1	09/24/10	LA	SM 2540 G
Specific Conductivity	4140	1.0	umhos/cm	1	09/24/10 10:00	MC	EPA 120.1
pH	7.41		su	1	09/28/10 13:18	LA	SW846 9045C

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 4
Lab Sample ID: T60353-4A
Matrix: SO - Soil
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 98.3

SAR Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	725	25	0.12	mg/l	5	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]
Magnesium	123	25	0.040	mg/l	5	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]
Sodium	3120	50	1.0	mg/l	10	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]

(1) Instrument QC Batch: MA5144
(2) Prep QC Batch: MP13012

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 4		
Lab Sample ID:	T60353-4A	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
		Percent Solids:	98.3
Project:	HRL Compliance Solutions		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	28.2		ratio	1	10/04/10 14:16	TW	LADNR29B

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 5		
Lab Sample ID:	T60353-5	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8260B	**Percent Solids:**	91.0
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0028584.D	1	09/27/10	FI	n/a	n/a	VM1166
Run #2							

	Initial Weight	Final Volume
Run #1	5.25 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.2	0.73	ug/kg	
108-88-3	Toluene	ND	4.2	0.99	ug/kg	
100-41-4	Ethylbenzene	ND	4.2	0.95	ug/kg	
1330-20-7	Xylene (total)	ND	13	2.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%		70-121%
2037-26-5	Toluene-D8	88%		76-132%
460-00-4	4-Bromofluorobenzene	103%		73-165%
17060-07-0	1,2-Dichloroethane-D4	81%		57-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 5		
Lab Sample ID:	T60353-5	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	91.0
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J155440.D	1	09/24/10	SC	09/23/10	OP16164	EJ942
Run #2	J155455.D	20	09/27/10	SC	09/23/10	OP16164	EJ943

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2	30.6 g	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	7.2	1.2	ug/kg	
208-96-8	Acenaphthylene	ND	7.2	2.5	ug/kg	
120-12-7	Anthracene	ND	7.2	1.4	ug/kg	
56-55-3	Benzo(a)anthracene	ND	7.2	1.2	ug/kg	
50-32-8	Benzo(a)pyrene	ND	7.2	3.8	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	7.2	3.8	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	7.2	7.2	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	7.2	4.7	ug/kg	
218-01-9	Chrysene	ND	7.2	1.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	7.2	6.9	ug/kg	
206-44-0	Fluoranthene	ND	7.2	1.6	ug/kg	
86-73-7	Fluorene	ND	7.2	2.5	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	7.2	5.4	ug/kg	
90-12-0	1-Methylnaphthalene	3.8	7.2	1.3	ug/kg	J
91-57-6	2-Methylnaphthalene	10.0	7.2	1.2	ug/kg	
91-20-3	Naphthalene	7.0	7.2	1.1	ug/kg	J
85-01-8	Phenanthrene	3.6	7.2	1.0	ug/kg	J
129-00-0	Pyrene	ND	7.2	2.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%	47%	10-127%
321-60-8	2-Fluorobiphenyl	65%	78%	11-133%
1718-51-0	Terphenyl-d14	122%	88%	15-187%

(a) Internal standards are not within the advisory limits. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 5		
Lab Sample ID:	T60353-5	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8015	**Percent Solids:**	91.0
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0001551.D	1	09/27/10	AT	n/a	n/a	GHH78
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	8.86	5.9	0.36	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		46-127%
98-08-8	aaa-Trifluorotoluene	93%		44-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 5
Lab Sample ID: T60353-5
Matrix: SO - Soil
Method: SW846 8015 M SW846 3550B
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 91.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ7104.D	1	09/23/10	EM	09/23/10	OP16163	GJF64
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	290	3.6	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	106%		33-115%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 5
Lab Sample ID: T60353-5
Matrix: SO - Soil
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 91.0

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	7.8	0.54	0.12	mg/kg	5	09/28/10	09/28/10	ANJ	SW846 6020A [3]	SW846 3050B [6]
Barium	4220	60	0.41	mg/kg	5	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Cadmium	0.94	0.30	0.017	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Chromium	13.9	0.60	0.028	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Copper	12.9	1.5	0.067	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Lead	13.0	0.60	0.060	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Mercury	0.029	0.018	0.0071	mg/kg	1	09/23/10	09/23/10	CN	SW846 7471A [1]	SW846 7471A [4]
Nickel	17.9	2.4	0.069	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Selenium	0.64	0.60	0.17	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Silver	0.070 U	0.60	0.070	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Zinc	62.8	1.2	0.10	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA5119
(2) Instrument QC Batch: MA5135
(3) Instrument QC Batch: N:MA25096
(4) Prep QC Batch: MP12936
(5) Prep QC Batch: MP12990
(6) Prep QC Batch: N:MP54902

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 5		
Lab Sample ID:	T60353-5	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
		Percent Solids:	91.0
Project:	HRL Compliance Solutions		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.15 B	2.2	mg/kg	1	10/02/10 08:00	KD	SW846 3060/7196A
Chromium, Trivalent [a]	13.8	2.8	mg/kg	1	10/02/10 08:00	KD	SW846 6010/7196A M
Solids, Percent	91		%	1	09/24/10	LA	SM 2540 G
Specific Conductivity	2840	1.0	umhos/cm	1	09/24/10 10:00	MC	EPA 120.1
pH	8.71		su	1	09/28/10 13:18	LA	SW846 9045C

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 5
Lab Sample ID: T60353-5A
Matrix: SO - Soil
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 91.0

SAR Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	367	25	0.12	mg/l	5	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]
Magnesium	106	25	0.040	mg/l	5	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]
Sodium	1690	25	0.52	mg/l	5	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]

(1) Instrument QC Batch: MA5144
(2) Prep QC Batch: MP13012

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 5		
Lab Sample ID:	T60353-5A	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
		Percent Solids:	91.0
Project:	HRL Compliance Solutions		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	20.0		ratio	1	10/04/10 13:48	TW	LADNR29B

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 6		
Lab Sample ID:	T60353-6	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8260B	**Percent Solids:**	91.9
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0028585.D	1	09/27/10	FI	n/a	n/a	VM1166
Run #2							

	Initial Weight	Final Volume
Run #1	5.14 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.2	0.74	ug/kg	
108-88-3	Toluene	ND	4.2	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	4.2	0.96	ug/kg	
1330-20-7	Xylene (total)	2.5	13	2.2	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		70-121%
2037-26-5	Toluene-D8	87%		76-132%
460-00-4	4-Bromofluorobenzene	108%		73-165%
17060-07-0	1,2-Dichloroethane-D4	78%		57-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 6		
Lab Sample ID:	T60353-6	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	91.9
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J155450.D	1	09/27/10	SC	09/23/10	OP16164	EJ943
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	7.2	1.2	ug/kg	
208-96-8	Acenaphthylene	ND	7.2	2.5	ug/kg	
120-12-7	Anthracene	ND	7.2	1.4	ug/kg	
56-55-3	Benzo(a)anthracene	ND	7.2	1.2	ug/kg	
50-32-8	Benzo(a)pyrene	ND	7.2	3.9	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	7.2	3.8	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	7.2	7.2	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	7.2	4.7	ug/kg	
218-01-9	Chrysene	ND	7.2	1.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	7.2	7.0	ug/kg	
206-44-0	Fluoranthene	ND	7.2	1.6	ug/kg	
86-73-7	Fluorene	ND	7.2	2.5	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	7.2	5.4	ug/kg	
90-12-0	1-Methylnaphthalene	5.2	7.2	1.3	ug/kg	J
91-57-6	2-Methylnaphthalene	12.5	7.2	1.2	ug/kg	
91-20-3	Naphthalene	9.4	7.2	1.1	ug/kg	
85-01-8	Phenanthrene	6.0	7.2	1.0	ug/kg	J
129-00-0	Pyrene	ND	7.2	2.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		10-127%
321-60-8	2-Fluorobiphenyl	69%		11-133%
1718-51-0	Terphenyl-d14	116%		15-187%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 6		
Lab Sample ID:	T60353-6	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
Method:	SW846 8015	**Percent Solids:**	91.9
Project:	HRL Compliance Solutions		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0001552.D	1	09/27/10	AT	n/a	n/a	GHH78
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.63 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4.72	5.3	0.32	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		46-127%
98-08-8	aaa-Trifluorotoluene	92%		44-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 6
Lab Sample ID: T60353-6
Matrix: SO - Soil
Method: SW846 8015 M SW846 3550B
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 91.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IF201424.D	1	09/24/10	EM	09/23/10	OP16163	GIB1099
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	33.3	3.6	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		33-115%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 6
Lab Sample ID: T60353-6
Matrix: SO - Soil
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 91.9

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	11.8	0.57	0.13	mg/kg	5	09/28/10	09/28/10	ANJ	SW846 6020A [3]	SW846 3050B [6]
Barium	1080	13	0.086	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Cadmium	0.63	0.31	0.018	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Chromium	13.8	0.63	0.029	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Copper	12.4	1.6	0.070	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Lead	12.4	0.63	0.063	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Mercury	0.037	0.018	0.0070	mg/kg	1	09/23/10	09/23/10	CN	SW846 7471A [1]	SW846 7471A [4]
Nickel	18.7	2.5	0.072	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Selenium	0.86	0.63	0.18	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Silver	0.073 U	0.63	0.073	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]
Zinc	73.1	1.3	0.10	mg/kg	1	09/30/10	09/30/10	TW	SW846 6010B [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA5119
(2) Instrument QC Batch: MA5135
(3) Instrument QC Batch: N:MA25096
(4) Prep QC Batch: MP12936
(5) Prep QC Batch: MP12990
(6) Prep QC Batch: N:MP54902

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 6
Lab Sample ID: T60353-6
Matrix: SO - Soil
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 91.9

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.88 B	2.1	mg/kg	1	10/02/10 08:00	KD	SW846 3060/7196A
Chromium, Trivalent [a]	12.9	2.8	mg/kg	1	10/02/10 08:00	KD	SW846 6010/7196A M
Solids, Percent	91.9		%	1	09/24/10	LA	SM 2540 G
Specific Conductivity	3720	1.0	umhos/cm	1	09/24/10 10:00	MC	EPA 120.1
pH	8.41		su	1	09/28/10 13:18	LA	SW846 9045C

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID: WALL 6
Lab Sample ID: T60353-6A
Matrix: SO - Soil
Project: HRL Compliance Solutions

Date Sampled: 09/17/10
Date Received: 09/22/10
Percent Solids: 91.9

SAR Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	991	25	0.12	mg/l	5	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]
Magnesium	222	25	0.040	mg/l	5	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]
Sodium [a]	4770	130	2.6	mg/l	25	10/04/10	10/04/10	TW	SW846 6010B [1]	LADNR 29B [2]

(1) Instrument QC Batch: MA5144
(2) Prep QC Batch: MP13012

(a) Elevated reporting limit due to sample over calibration range.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	WALL 6		
Lab Sample ID:	T60353-6A	**Date Sampled:**	09/17/10
Matrix:	SO - Soil	**Date Received:**	09/22/10
		Percent Solids:	91.9
Project:	HRL Compliance Solutions		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	35.6		ratio	1	10/04/10 14:28	TW	LADNR29B

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

PAGE 1 OF 1

4036 Youngfield Street, Wheat Ridge, Colorado 80033
TEL. 303-425-6021; 877-737-4521 FAX: 303-425-6854
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: T60353

Client / Reporting Information

Company Name: HRL compliance
Street Address: 744 Horizon ct Suite 140
City: Grand Junction State: co Zip: 81506
Project Contact: Mark Mumby E-mail: mmumby@HRLcorp.com
Phone #: 970 243-3271 Fax #:
Sampler(s) Name(s): Reed Wold Phone #:

Project Information

Project Name: RMV 8-16 Pit closure
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)

Company Name: Williams
Street Address: 1058 co RD 215
City: Parachute State: co Zip: 81635
Attention: Karolina Blaney

Requested Analysis (see TEST CODE sheet)

BTEX/GRO | DRO, PHA, Metals (Table 910-1) | SAR, EC, pH

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	BTEX/GRO	DRO, PHA, Metals (Table 910-1)	SAR, EC, pH	LAB USE ONLY
1	Wall 1		9/17/10	12:20	RW	SO	3									X	X	X	
2	Wall 2			12:20	RW	SO	3									X	X	X	
3	Wall 3			12:30	RW	SO	3									X	X	X	
4	Wall 4			12:40	RW	SO	3									X	X	X	
5	Wall 5			12:50	RW	SO	3									X	X	X	
6	Wall 6			1pm	RW	SO	3									X	X	X	

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] UST Analysis 3-5 Days
- [ ] 6 - 9 Day *RUSH*
- [ ] 3 - 5 Day *RUSH*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Level 1
- [x] Level 2
- [ ] Level 3
- [ ] Level 4

Level 1 = Results Only
Level 2 = Results + QC Summary + Case Narrative
Level 3 = Results + QC Summary + Partial Raw data
Level 4 = Full Deliverable

- [x] PDF
- [ ] EDD Format
- [ ] Other

Comments / Special Instructions

For Table 910-1 Metals
Run Full Barium
Do Not Run Boron

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Reed Wold	9/20/10	1	2 FedEx	9-22-10 0930	2 ALeC Jessica Huddleston
3			3	4		4
5			5	Custody Seal #	[ ] Intact [ ] Not Intact	Preserved where applicable [ ]	On Ice [x]	Cooler Temp. 3.3°C

SAMPLE INSPECTION FORM

Accutest Job Number: T60353 Client: HRL Compliance Date/Time Received: 9-22-10 0930

# of Coolers Received: 1 Thermometer #: IR Gun 04 Temperature Adjustment Factor: 0

Cooler Temperatures (initial/adjusted): #1: 3.3°C #2: _____ #3: _____ #4: _____ #5: _____

#6: _____ #7: _____ #8: _____ #9: _____ #10 _____ #11 _____ #12 _____

Method of Delivery: (FEDEX) UPS Accutest Courier Greyhound Delivery Other

COOLER INFORMATION

- [ ] Custody seal missing or not intact
- [ ] Temperature criteria not met
- [ ] Wet ice received in cooler

CHAIN OF CUSTODY

- [ ] Chain of Custody not received
- [ ] Sample D/T unclear or missing
- [ ] Analyses unclear or missing
- [ ] COC not properly executed

SAMPLE INFORMATION

- [ ] Sample containers received broken
- [ ] VOC vials have headspace
- [ ] Sample labels missing or illegible
- [ ] ID on COC does not match label(s)
- [ ] D/T on COC does not match label(s)
- [ ] Sample/Bottles rcvd but no analysis on COC
- [ ] Sample listed on COC, but not received
- [ ] Bottles missing for requested analysis
- [ ] Insufficient volume for analysis
- [ ] Sample received improperly preserved

TRIP BLANK INFORMATION

- [ ] Trip Blank on COC but not received
- [ ] Trip Blank received but not on COC
- [ ] Trip Blank not intact
- [ ] Received Water Trip Blank
- [ ] Received Soil TB

Number of Encores? _____
Number of 5035 kits? _____
Number of lab-filtered metals? _____

Summary of Discrepancies:

TECHNICIAN SIGNATURE/DATE: Darnell Huddleston 9-22-10

INFORMATION AND SAMPLE LABELING VERIFIED BY: CC 9-22-10

CORRECTIVE ACTIONS

Client Representative Notified: _____ **Date:** _____

By Accutest Representative: _____ **Via:** Phone Email

Client Instructions:

I:\mwalker\forms\samplemanagement SM023 Revised 8/11/10

T60353: Chain of Custody
Page 2 of 3

SAMPLE RECEIPT LOG

JOB #: T60353 DATE/TIME RECEIVED: 9-22-10 0930

CLIENT: HRL Compliance INITIALS: DRA

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH
1	1	Wall 1	9-17-10 1220	Soil	32oz	1	2-97	1 2 3 4 5 6 7 8	<2 >12
	↓	↓ ↓	↓ ↓	↓	16oz	2	2-97	1 2 3 4 5 6 7 8	<2 >12
	↓	↓ ↓	↓ ↓	↓	4oz	3	VR	1 2 3 4 5 6 7 8	<2 >12
	2	Wall 2	9-17-10 1220	↓	32oz	1	2-97	1 2 3 4 5 6 7 8	<2 >12
	↓	↓ ↓	↓ ↓	↓	16oz	2	2-97	1 2 3 4 5 6 7 8	<2 >12
	↓	↓ ↓	↓ ↓	↓	4oz	3	VR	1 2 3 4 5 6 7 8	<2 >12
	3	Wall 3	9-17-10 1230	↓	32oz	1	2-97	1 2 3 4 5 6 7 8	<2 >12
	↓	↓ ↓	↓ ↓	↓	16oz	2	2-97	1 2 3 4 5 6 7 8	<2 >12
	↓	↓ ↓	↓ ↓	↓	4oz	3	VR	1 2 3 4 5 6 7 8	<2 >12
	4	Wall 4	9-17-10 1240	↓	32oz	1	2-97	1 2 3 4 5 6 7 8	<2 >12
	↓	↓ ↓	↓ ↓	↓	16oz	2	2-97	1 2 3 4 5 6 7 8	<2 >12
	↓	↓ ↓	↓ ↓	↓	4oz	3	VR	1 2 3 4 5 6 7 8	<2 >12
	5	Wall 5	9-17-10 1250	↓	32oz	1	2-97	1 2 3 4 5 6 7 8	<2 >12
	↓	↓ ↓	↓ ↓	↓	16oz	2	2-97	1 2 3 4 5 6 7 8	<2 >12
	↓	↓ ↓	↓ ↓	↓	4oz	3	VR	1 2 3 4 5 6 7 8	<2 >12
	6	Wall 6	9-17-10 1pm	↓	32oz	1	2-97	1 2 3 4 5 6 7 8	<2 >12
	↓	↓ ↓	↓ ↓	↓	16oz	2	2-97	1 2 3 4 5 6 7 8	<2 >12
↓	↓	↓ ↓	↓ ↓	↓	4oz	3	VR	1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
			DRA 9/22/10					1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: DI 7: MeOH 8: Other

LOCATION: 1: Walk-In #1 (Waters) 2: Walk-In #2 (Soils) VR: Volatile Fridge M: Metals SUB: Subcontract EF: Encore Freezer

T60353: Chain of Custody

Page 3 of 3

Gulf Coast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2626-MB	Y0042554.D	1	09/23/10	FI	n/a	n/a	VY2626

The QC reported here applies to the following samples: **Method:** SW846 8260B

T60353-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.0	0.70	ug/kg	
100-41-4	Ethylbenzene	ND	4.0	0.90	ug/kg	
108-88-3	Toluene	ND	4.0	0.95	ug/kg	
1330-20-7	Xylene (total)	ND	12	2.1	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	70-121%
2037-26-5	Toluene-D8	100%	76-132%
460-00-4	4-Bromofluorobenzene	98%	73-165%
17060-07-0	1,2-Dichloroethane-D4	91%	57-122%

Method Blank Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1166-MB	M0028568.D	1	09/27/10	FI	n/a	n/a	VM1166

The QC reported here applies to the following samples: **Method:** SW846 8260B

T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.0	0.70	ug/kg	
100-41-4	Ethylbenzene	ND	4.0	0.90	ug/kg	
108-88-3	Toluene	ND	4.0	0.95	ug/kg	
1330-20-7	Xylene (total)	ND	12	2.1	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	87%	70-121%
2037-26-5	Toluene-D8	90%	76-132%
460-00-4	4-Bromofluorobenzene	92%	73-165%
17060-07-0	1,2-Dichloroethane-D4	80%	57-122%

Blank Spike Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2626-BS	Y0042552.D	1	09/23/10	FI	n/a	n/a	VY2626

The QC reported here applies to the following samples: **Method:** SW846 8260B

T60353-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	45.1	90	70-114
100-41-4	Ethylbenzene	50	43.9	88	60-119
108-88-3	Toluene	50	42.3	85	68-115
1330-20-7	Xylene (total)	150	128	85	61-115

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	70-121%
2037-26-5	Toluene-D8	98%	76-132%
460-00-4	4-Bromofluorobenzene	99%	73-165%
17060-07-0	1,2-Dichloroethane-D4	89%	57-122%

Blank Spike Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1166-BS	M0028566.D	1	09/27/10	FI	n/a	n/a	VM1166

The QC reported here applies to the following samples: **Method:** SW846 8260B

T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	46.4	93	70-114
100-41-4	Ethylbenzene	50	43.8	88	60-119
108-88-3	Toluene	50	43.9	88	68-115
1330-20-7	Xylene (total)	150	133	89	61-115

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	85%	70-121%
2037-26-5	Toluene-D8	89%	76-132%
460-00-4	4-Bromofluorobenzene	90%	73-165%
17060-07-0	1,2-Dichloroethane-D4	78%	57-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T60353-1MS	Y0042556.D	1	09/24/10	FI	n/a	n/a	VY2626
T60353-1MSD	Y0042557.D	1	09/24/10	FI	n/a	n/a	VY2626
T60353-1	Y0042555.D	1	09/24/10	FI	n/a	n/a	VY2626

The QC reported here applies to the following samples: **Method:** SW846 8260B

T60353-1

CAS No.	Compound	T60353-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		48.2	28.3	59*	32.0	62*	12	70-114/38
100-41-4	Ethylbenzene	ND		48.2	32.3	67	34.2	66	6	60-119/40
108-88-3	Toluene	ND		48.2	27.7	58*	30.4	59*	9	68-115/38
1330-20-7	Xylene (total)	ND		144	41.1	28*	44.1	28*	7	61-115/39

CAS No.	Surrogate Recoveries	MS	MSD	T60353-1	Limits
1868-53-7	Dibromofluoromethane	95%	93%	89%	70-121%
2037-26-5	Toluene-D8	105%	102%	99%	76-132%
460-00-4	4-Bromofluorobenzene	114%	107%	112%	73-165%
17060-07-0	1,2-Dichloroethane-D4	90%	90%	87%	57-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T60452-2MS	M0028572.D	1	09/27/10	FI	n/a	n/a	VM1166
T60452-2MSD	M0028573.D	1	09/27/10	FI	n/a	n/a	VM1166
T60452-2	M0028569.D	1	09/27/10	FI	n/a	n/a	VM1166

The QC reported here applies to the following samples: **Method:** SW846 8260B

T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

CAS No.	Compound	T60452-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		52.8	53.3	101	52.7	99	1	70-114/38
100-41-4	Ethylbenzene	ND		52.8	51.5	97	49.7	94	4	60-119/40
108-88-3	Toluene	ND		52.8	80.6	153*	78.7	148*	2	68-115/38
1330-20-7	Xylene (total)	ND		159	163	103	157	98	4	61-115/39

CAS No.	Surrogate Recoveries	MS	MSD	T60452-2	Limits
1868-53-7	Dibromofluoromethane	87%	91%	92%	70-121%
2037-26-5	Toluene-D8	109%	111%	117%	76-132%
460-00-4	4-Bromofluorobenzene	128%	139%	116%	73-165%
17060-07-0	1,2-Dichloroethane-D4	82%	84%	82%	57-122%

Gulf Coast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP16164-MB	J155397.D	1	09/23/10	SC	09/23/10	OP16164	EJ941

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	6.7	1.1	ug/kg	
208-96-8	Acenaphthylene	ND	6.7	2.3	ug/kg	
120-12-7	Anthracene	ND	6.7	1.3	ug/kg	
56-55-3	Benzo(a)anthracene	ND	6.7	1.1	ug/kg	
50-32-8	Benzo(a)pyrene	ND	6.7	3.6	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	6.7	3.5	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	6.7	6.7	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	6.7	4.3	ug/kg	
218-01-9	Chrysene	ND	6.7	1.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	6.7	6.4	ug/kg	
206-44-0	Fluoranthene	ND	6.7	1.5	ug/kg	
86-73-7	Fluorene	ND	6.7	2.4	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	6.7	5.0	ug/kg	
90-12-0	1-Methylnaphthalene	ND	6.7	1.2	ug/kg	
91-57-6	2-Methylnaphthalene	ND	6.7	1.2	ug/kg	
91-20-3	Naphthalene	ND	6.7	1.0	ug/kg	
85-01-8	Phenanthrene	ND	6.7	0.93	ug/kg	
129-00-0	Pyrene	ND	6.7	2.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	73%	18-129%
4165-60-0	Nitrobenzene-d5	83%	10-127%
321-60-8	2-Fluorobiphenyl	90%	11-133%
1718-51-0	Terphenyl-d14	76%	15-187%

Blank Spike Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP16164-BS	J155398.D	1	09/23/10	SC	09/23/10	OP16164	EJ941

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	167	132	79	18-118
208-96-8	Acenaphthylene	167	141	85	35-125
120-12-7	Anthracene	167	127	76	24-116
56-55-3	Benzo(a)anthracene	167	134	80	32-132
50-32-8	Benzo(a)pyrene	167	125	75	36-130
205-99-2	Benzo(b)fluoranthene	167	189	113	35-134
191-24-2	Benzo(g,h,i)perylene	167	120	72	18-149
207-08-9	Benzo(k)fluoranthene	167	135	81	30-131
218-01-9	Chrysene	167	139	83	37-124
53-70-3	Dibenzo(a,h)anthracene	167	108	65	23-150
206-44-0	Fluoranthene	167	143	86	28-118
86-73-7	Fluorene	167	142	85	32-106
193-39-5	Indeno(1,2,3-cd)pyrene	167	114	68	18-150
90-12-0	1-Methylnaphthalene	167	103	62	10-128
91-57-6	2-Methylnaphthalene	167	105	63	28-113
91-20-3	Naphthalene	167	118	71	31-106
85-01-8	Phenanthrene	167	127	76	37-112
129-00-0	Pyrene	167	124	74	24-132

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	100%	10-127%
321-60-8	2-Fluorobiphenyl	100%	11-133%
1718-51-0	Terphenyl-d14	76%	15-187%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP16164-MS	J155395.D	1	09/23/10	SC	09/23/10	OP16164	EJ941
OP16164-MSD	J155413.D	1	09/24/10	SC	09/23/10	OP16164	EJ941
T60353-1	J155412.D	1	09/24/10	SC	09/23/10	OP16164	EJ941

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

CAS No.	Compound	T60353-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		179	130	72	137	76	5	10-153/80
208-96-8	Acenaphthylene	ND		179	136	76	148	82	8	10-144/71
120-12-7	Anthracene	ND		179	140	78	141	78	1	10-176/57
56-55-3	Benzo(a)anthracene	ND		179	143	80	156	86	9	10-174/73
50-32-8	Benzo(a)pyrene	ND		179	132	74	141	78	7	10-182/74
205-99-2	Benzo(b)fluoranthene	ND		179	170	95	229	126	30	10-188/86
191-24-2	Benzo(g,h,i)perylene	ND		179	160	89	80.4	44	66*	10-150/62
207-08-9	Benzo(k)fluoranthene	ND		179	185	103	151	83	20	10-170/94
218-01-9	Chrysene	ND		179	137	76	147	81	7	10-165/73
53-70-3	Dibenzo(a,h)anthracene	ND		179	109	61	97.4	54	11	10-192/74
206-44-0	Fluoranthene	ND		179	148	83	181	100	20	10-141/73
86-73-7	Fluorene	ND		179	141	79	156	86	10	10-164/72
193-39-5	Indeno(1,2,3-cd)pyrene	ND		179	117	65	97.5	54	18	10-150/73
90-12-0	1-Methylnaphthalene	ND		179	121	67	123	68	2	10-154/82
91-57-6	2-Methylnaphthalene	2.0	J	179	125	69	124	67	1	10-171/75
91-20-3	Naphthalene	3.0	J	179	119	65	133	72	11	10-138/82
85-01-8	Phenanthrene	ND		179	128	71	136	75	6	10-191/77
129-00-0	Pyrene	ND		179	328	183*	200	110	48	10-150/66

CAS No.	Surrogate Recoveries	MS	MSD	T60353-1	Limits
4165-60-0	Nitrobenzene-d5	82%	89%	78%	10-127%
321-60-8	2-Fluorobiphenyl	72%	83%	85%	11-133%
1718-51-0	Terphenyl-d14	167%	108%	111%	15-187%

Gulf Coast ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBB128-MB	BB0002282.D	1	09/23/10	AT	n/a	n/a	GBB128

The QC reported here applies to the following samples: **Method:** SW846 8015

T60353-1, T60353-2, T60353-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	0.30	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	93%	46-127%
98-08-8	aaa-Trifluorotoluene	99%	44-120%

Method Blank Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH78-MB	HH0001538.D	1	09/27/10	AT	n/a	n/a	GHH78

The QC reported here applies to the following samples: **Method:** SW846 8015

T60353-4, T60353-5, T60353-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	0.30	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	89%	46-127%
98-08-8	aaa-Trifluorotoluene	98%	44-120%

Blank Spike Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBB128-BS	BB0002280.D	1	09/23/10	AT	n/a	n/a	GBB128

The QC reported here applies to the following samples: **Method:** SW846 8015

T60353-1, T60353-2, T60353-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.325	81	78-115

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	98%	46-127%
98-08-8	aaa-Trifluorotoluene	104%	44-120%

Blank Spike/Blank Spike Duplicate Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH78-BS	HH0001536.D	1	09/27/10	AT	n/a	n/a	GHH78
GHH78-BSD	HH0001537.D	1	09/27/10	AT	n/a	n/a	GHH78

The QC reported here applies to the following samples: **Method:** SW846 8015

T60353-4, T60353-5, T60353-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.4	0.385	96	0.326	82	17	78-115/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	102%	92%	46-127%
98-08-8	aaa-Trifluorotoluene	102%	102%	44-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T60254-1MS	BB0002284.D	1	09/23/10	AT	n/a	n/a	GBB128
T60254-1MSD	BB0002285.D	1	09/23/10	AT	n/a	n/a	GBB128
T60254-1	BB0002283.D	1	09/23/10	AT	n/a	n/a	GBB128

The QC reported here applies to the following samples: **Method:** SW846 8015

T60353-1, T60353-2, T60353-3

CAS No.	Compound	T60254-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		23.4	21.2	91	21.9	94	3	78-115/14

CAS No.	Surrogate Recoveries	MS	MSD	T60254-1	Limits
460-00-4	4-Bromofluorobenzene	97%	99%	94%	46-127%
98-08-8	aaa-Trifluorotoluene	105%	108%	100%	44-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T60484-1MS	HH0001556.D	1	09/28/10	AT	n/a	n/a	GHH78
T60484-1MSD	HH0001557.D	1	09/28/10	AT	n/a	n/a	GHH78
T60484-1 [a]	HH0001554.D	1	09/27/10	AT	n/a	n/a	GHH78

The QC reported here applies to the following samples: **Method:** SW846 8015

T60353-4, T60353-5, T60353-6

CAS No.	Compound	T60484-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	4.29	J	24.6	22.4	74* [b]	21.8	71* [b]	3	78-115/14

CAS No.	Surrogate Recoveries	MS	MSD	T60484-1	Limits
460-00-4	4-Bromofluorobenzene	98%	97%	122%	46-127%
98-08-8	aaa-Trifluorotoluene	97%	97%	93%	44-120%

(a) Reported for QC purposes only.
(b) Outside control limits biased low due to carryover in QC sample. BS/BSD reported.

Gulf Coast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP16163-MB	IF201418.D	1	09/24/10	EM	09/23/10	OP16163	GIB1099

The QC reported here applies to the following samples: **Method:** SW846 8015 M

T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	3.3	2.7	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	83%	33-115%

Blank Spike Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP16163-BS	JJ7094.D	1	09/23/10	EM	09/23/10	OP16163	GJF64

The QC reported here applies to the following samples: **Method:** SW846 8015 M

T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C28)	32.8	23.2	71	45-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	70%	33-115%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T60353
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP16163-MS	IF201419.D	1	09/24/10	EM	09/23/10	OP16163	GIF1099
OP16163-MSD	JJ7096.D	1	09/23/10	EM	09/23/10	OP16163	GJF64
T60352-2	IF201421.D	1	09/24/10	EM	09/23/10	OP16163	GIF1099

The QC reported here applies to the following samples: **Method:** SW846 8015 M

T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

CAS No.	Compound	T60352-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	56.7		37.2	77.7	56	85.2	77	9	45-107/34

CAS No.	Surrogate Recoveries	MS	MSD	T60352-2	Limits
84-15-1	o-Terphenyl	95%	73%	104%	33-115%

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

QC Batch ID: MP12936 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/23/10

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.017	.0042	.0067	0.0043	<0.017

Associated samples MP12936: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

QC Batch ID: MP12936 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/23/10 09/23/10

Metal	T60353-1 Original	DUP	RPD	QC Limits	T60353-1 Original	MS	Spikelot HGTXWS1	% Rec	QC Limits
Mercury	0.032	0.042	27.0 (a)	0-20	0.032	0.33	0.258	115.3	75-125

Associated samples MP12936: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

QC Batch ID: MP12936 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/23/10

Metal	T60353-1 Original	MSD	Spikelot HGTXWS1	% Rec	MSD RPD	QC Limit
Mercury	0.032	0.34	0.27	114.1	3.0	

Associated samples MP12936: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

QC Batch ID: MP12936 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/23/10

Metal	LCS Result	Spikelot HGLCD054	% Rec	QC Limits
Mercury	7.2	7.34	98.1	72-128

Associated samples MP12936: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

QC Batch ID: MP12990 Methods: SW846 6010B
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/30/10

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.41	.73		
Antimony	0.50	.05	.085		
Arsenic	0.50	.085	.085		
Barium	10	.049	.069	0.018	<10
Beryllium	0.25	.0028	.0055		
Boron	5.0	.07	.17		
Cadmium	0.25	.0055	.014	0.011	<0.25
Calcium	250	.37	1.3		
Chromium	0.50	.012	.023	0.027	<0.50
Cobalt	2.5	.0075	.03		
Copper	1.3	.056	.056	-0.00050	<1.3
Iron	5.0	.057	1.1		
Lead	0.50	.05	.05	0.036	<0.50
Lithium	15	.1			
Magnesium	250	.38	1.3		
Manganese	0.75	.0027	.037		
Molybdenum	0.50	.02	.025		
Nickel	2.0	.035	.057	-0.00050	<2.0
Potassium	250	2	10		
Selenium	0.50	.077	.14	0.0055	<0.50
Silver	0.50	.058	.058	-0.017	<0.50
Sodium	250	.46	1.6		
Strontium	1.0	.0031	.059		
Thallium	0.50	.034	.04		
Tin	1.0	.035	.035		
Titanium	1.0	.015	.029		
Vanadium	2.5	.015	.034		
Zinc	1.0	.026	.084	0.11	<1.0

Associated samples MP12990: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

QC Batch ID: MP12990
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date:			09/30/10					09/30/10	
Metal	T60278-1 Original	DUP	RPD	QC Limits	T60278-1 Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	anr								
Barium	481	504	4.7	0-20	481	585	27.3	380.6(c)	80-120
Beryllium									
Boron									
Cadmium	0.89	0.60	38.9 (a)	0-20	0.89	23.7	27.3	83.5	80-120
Calcium									
Chromium	14.9	16.6	10.8	0-20	14.9	36.7	27.3	79.8N(d)	80-120
Cobalt									
Copper	24.2	28.7	17.0	0-20	24.2	50.1	27.3	94.8	80-120
Iron									
Lead	35.6	24.8	35.8*(b)	0-20	35.6	60.1	27.3	89.7	80-120
Lithium									
Magnesium									
Manganese									
Molybdenum									
Nickel	49.3	40.8	18.9	0-20	49.3	71.3	27.3	80.5	80-120
Potassium									
Selenium	2.2	3.2	37.0*(b)	0-20	2.2	26.0	27.3	87.1	80-120
Silver	0.16	0.14	13.3	0-20	0.16	23.2	27.3	84.3	80-120
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	115	95.1	18.9	0-20	115	139	27.3	87.8	80-120

Associated samples MP12990: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) High RPD due to possible sample nonhomogeneity.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

QC Batch ID: MP12990
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date:

Metal

(d) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

QC Batch ID: MP12990 Methods: SW846 6010B
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/30/10

Metal	T60278-1 Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	481	581	27.2	367.6(a)	0.7	20
Beryllium						
Boron						
Cadmium	0.89	23.3	27.2	82.4	1.7	20
Calcium						
Chromium	14.9	38.4	27.2	86.4	4.5	20
Cobalt						
Copper	24.2	45.9	27.2	79.8N(b)	8.8	20
Iron						
Lead	35.6	56.5	27.2	76.8N(b)	6.2	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	49.3	71.9	27.2	83.1	0.8	20
Potassium						
Selenium	2.2	23.9	27.2	79.8N(b)	8.4	20
Silver	0.16	22.2	27.2	81.0	4.4	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	115	134	27.2	69.8 (a)	3.7	20

Associated samples MP12990: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

QC Batch ID: MP12990
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 09/30/10

Metal	LCS Result	Spikelot MPLCD054	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	339	348	97.4	81-119
Beryllium				
Boron				
Cadmium	174	187	93.0	82-118
Calcium				
Chromium	87.1	89.5	97.3	79-121
Cobalt				
Copper	135	129	104.7	84-117
Iron				
Lead	185	172	107.6	79-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	114	99	115.2	81-119
Potassium				
Selenium	134	148	90.5	78-121
Silver	56.7	66	85.9	66-134
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	402	394	102.0	80-119

Associated samples MP12990: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

QC Batch ID: MP12990 Methods: SW846 6010B
Matrix Type: SOLID Units: ug/l

Prep Date: 09/30/10

Metal	T60278-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	7160	8440	17.9*(a)	0-10
Beryllium				
Boron				
Cadmium	13.2	14.8	11.8*(a)	0-10
Calcium				
Chromium	222	278	25.1*(a)	0-10
Cobalt				
Copper	361	404	12.1*(a)	0-10
Iron				
Lead	530	408	23.0*(a)	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	734	568	22.6*(a)	0-10
Potassium				
Selenium	33.4	44.8	34.3 (b)	0-10
Silver	2.36	0.00	100.0(b)	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	1720	2080	20.9*(a)	0-10

Associated samples MP12990: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.
(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

QC Batch ID: MP13012
Matrix Type: AQUEOUS

Methods: LADNR29B, SW846 6010B
Units: ug/l

Prep Date: 10/04/10

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	8.3	12		
Antimony	5.0	1	1		
Arsenic	5.0	1.7	1		
Barium	200	.97	3.4		
Beryllium	5.0	.056	.16		
Boron	100	1.4	7.8		
Cadmium	4.0	.11	.09		
Calcium	5000	7.4	25	133	<5000
Chromium	10	.23	.27		
Cobalt	50	.15	.22		
Copper	25	1.1	5.9		
Iron	100	1.1	23		
Lead	3.0	1	1.8		
Lithium	300	2	2		
Magnesium	5000	7.7	7.9	25.7	<5000
Manganese	15	.054	1.9		
Molybdenum	10	.39	.2		
Nickel	40	.69	1.4		
Potassium	5000	39	45		
Selenium	5.0	1.5	.98		
Silver	10	1.2	.24		
Sodium	5000	9.2	100	152	<5000
Strontium	10	.061	.4		
Thallium	10	.67	1.2		
Tin	20	.69	2.8		
Titanium	20	.29	.3		
Vanadium	50	.3	.3		
Zinc	20	.51	3.5		

Associated samples MP13012: T60353-1A, T60353-2A, T60353-3A, T60353-4A, T60353-5A, T60353-6A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

QC Batch ID: MP13012
Matrix Type: AQUEOUS

Methods: LADNR29B, SW846 6010B
Units: ug/l

Prep Date: 10/04/10

Metal	T60354-4A Original	DUP	RPD	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	45200	44600	1.3	0-20
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	11300	11800	4.3	0-20
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium	72600	69500	4.4	0-20
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP13012: T60353-1A, T60353-2A, T60353-3A, T60353-4A, T60353-5A, T60353-6A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

QC Batch ID: MP13012
Matrix Type: AQUEOUS

Methods: LADNR29B, SW846 6010B
Units: ug/l

Prep Date: 10/04/10

Metal	T60354-4A Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	45200	45000	0.4	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	11300	11500	1.7	0-10
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium	72600	74100	2.0	0-10
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP13012: T60353-1A, T60353-2A, T60353-3A, T60353-4A, T60353-5A, T60353-6A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Gulf Coast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GN25790	2.0	<2.0	mg/kg	40	36.8	92.0	80-120%
Specific Conductivity	GN25586	1.0	<1.0	umhos/cm				
Specific Conductivity	GN25587	1.0	<1.0	umhos/cm				

Associated Samples:
Batch GN25586: T60353-1, T60353-2, T60353-3
Batch GN25587: T60353-4, T60353-5, T60353-6
Batch GN25790: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GN25790	T60353-1	mg/kg	0.29 B	<2.2	0.3	0-20%
Solids, Percent	GN25627	T60353-1	%	91.4	91.4	0.0	0-5%
Specific Conductivity	GN25586	T60251-1	umhos/cm	166	166	0.0	0-20%
Specific Conductivity	GN25587	T60353-4	umhos/cm	4140	4140	0.0	0-20%
pH	GN25684	T60279-1	su	9.30	9.31	0.1	0-20%

Associated Samples:
Batch GN25586: T60353-1, T60353-2, T60353-3
Batch GN25587: T60353-4, T60353-5, T60353-6
Batch GN25627: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6
Batch GN25684: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6
Batch GN25790: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T60353
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: HRL Compliance Solutions

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GN25790	T60353-1	mg/kg	0.29 B	43.76	43.5	98.7	75-125%

Associated Samples:
Batch GN25790: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Gulf Coast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

(Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody

SUBCONTRACT COC

ACCUTEST Laboratories
SO 10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job #

Client Information

Company Name: Accutest Gulf Coast
Project Contact: Sylvia Garza
Email: sylviag@accutest.com
Address: 10165 Harwin Dr, Suite 150
City: Houston State: TX Zip: 77036
Phone No.: 713-271-4700

Subcontract Information

Subcontract Laboratory: ACCUTEST NEW JERSEY
Laboratory Contact: Sample Receiving
Email:
Address:
City: State: Zip:
Phone No.:

Requested Analyses

As (6020)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Wastewater
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Liquid
SOL - Other Solid

Accutest Sample Number	Collection Date	Time	Matrix	# of bottles	Number of preserved bottles	As (6020)	LAB USE ONLY
T60353-1	9/17/2010		SO	1		X	MES2
T60353-2	9/17/2010		SO	1		X	
T60353-3	9/17/2010		SO	1		X	
T60353-4	9/17/2010		SO	1		X	
T60353-5	9/17/2010		SO	1		X	
T60353-6	9/17/2010		SO	1		X	

Number of preserved bottles: HCl, NaOH, HNO3, H2SO4, DI/MeOH, TSP, NONE, OTHER

Turnaround Time (Business days)

- STANDARD
- 7 Day
- 4 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY
- Other

Approved By:/ Date:

Oct 4th

Real time analytical data available via Lablink

Data Deliverable Information

- Commercial "A"
- XX Commercial "B"
- Reduced Tier 1
- TRRP-13
- EDD Format
- Other_NARR
- Full Data Package

Commercial "A" = Results Only
Commercial "B" = Results & Standard QC

Comments / Remarks

DD/MMTHS 9/23/10

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1				2	9/23/10 1000	2
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable ☐	On Ice ☒ Cooler Temp. 4.6 °C

10.1 10

T60353: Chain of Custody
Page 1 of 1
Accutest New Jersey

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

(Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T60353
Account: ALGC - Accutest Laboratories Gulf Coast, Inc.
Project: HRLCOGJ: HRL Compliance Solutions

QC Batch ID: MP54902
Matrix Type: SOLID

Methods: SW846 6020A
Units: mg/kg

Prep Date: 09/28/10

Metal	RL	IDL	MDL	MB raw	final
Aluminum	25	.46	.52		
Antimony	0.25	.026	.022		
Arsenic	0.50	.13	.11	0.058	<0.50
Barium	0.50	.014	.038		
Beryllium	0.25	.0055	.03		
Boron	2.5	.19	.25		
Cadmium	0.25	.013	.016		
Calcium	130	3.4	3.1		
Chromium	2.0	.026	.29		
Cobalt	0.25	.0015	.016		
Copper	2.0	.026	.036		
Iron	25	.77	1.9		
Lead	0.25	.005	.012		
Magnesium	130	.15	1.4		
Manganese	0.25	.0075	.02		
Molybdenum	0.50	.2	.096		
Nickel	2.0	.032	.026		
Potassium	130	1.3	3.9		
Selenium	0.50	.1	.058		
Silver	1.0	.0055	.022		
Sodium	130	4.3	1.3		
Strontium	0.50	.006	.0082		
Thallium	0.25	.0075	.0051		
Tin	0.50	.1			
Titanium	0.50	.035	.27		
Uranium	0.50				
Vanadium	2.0	.22	.79		
Zinc	2.0	.4	.91		

Associated samples MP54902: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T60353
Account: ALGC - Accutest Laboratories Gulf Coast, Inc.
Project: HRLCOGJ: HRL Compliance Solutions

QC Batch ID: MP54902
Matrix Type: SOLID

Methods: SW846 6020A
Units: mg/kg

Prep Date: 09/28/10

Metal	T60279-1 Original	MS	Spikelot MPIRS1	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	5.4	409	458	88.2	75-125
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP54902: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T60353
Account: ALGC - Accutest Laboratories Gulf Coast, Inc.
Project: HRLCOGJ: HRL Compliance Solutions

QC Batch ID: MP54902
Matrix Type: SOLID

Methods: SW846 6020A
Units: mg/kg

Prep Date: 09/28/10

Metal	T60279-1 Original	MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	5.4	408	462	87.1	0.2	20
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP54902: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T60353
Account: ALGC - Accutest Laboratories Gulf Coast, Inc.
Project: HRLCOGJ: HRL Compliance Solutions

QC Batch ID: MP54902
Matrix Type: SOLID

Methods: SW846 6020A
Units: mg/kg

Prep Date: 09/28/10

Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	378	400	94.5	80-120
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP54902: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: T60353
Account: ALGC - Accutest Laboratories Gulf Coast, Inc.
Project: HRLCOGJ: HRL Compliance Solutions

QC Batch ID: MP54902
Matrix Type: SOLID

Methods: SW846 6020A
Units: ug/l

Prep Date: 09/28/10

Metal	T60279-1 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	49.5	52.5	5.9	0-10
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP54902: T60353-1, T60353-2, T60353-3, T60353-4, T60353-5, T60353-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Appendix 2: Post Treatment of Pit Bottom

16-Nov-2010

Mark Mumby
HRL Compliance Solutions Inc.
744 Horizon Ct Suite 140
Grand Junction, CO 81506

Tel: (970) 243-3271
Fax: (970) 243-3230

Re: RMV 8-16 Work Order: **1011252**

Dear Mark,

ALS Environmental received 2 samples on 08-Nov-2010 08:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

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

The total number of pages in this report is 24.

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

Sincerely,

Bethany Agarwal

Electronically approved by: Mary K. Knowles

Bethany Agarwal
Project Manager

Certificate No: T104704231-09A-TX

ALS Environmental

Date: 16-Nov-10

Client: HRL Compliance Solutions Inc.
Project: RMV 8-16
Work Order: **1011252**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1011252-01	RMV 8-16 #2 Bottom	Soil		11/1/2010 14:15	11/5/2010 08:30	☐
1011252-02	RMV 8-16 N. Bottom	Soil		11/1/2010 14:00	11/5/2010 08:30	☐

ALS Environmental

Date: 16-Nov-10

Client: HRL Compliance Solutions Inc.
Project: RMV 8-16
Work Order: 1011252

Case Narrative

Batch 47693, TPH DRO, Samples RMV 8-16 #2 Bottom and RMV 8-16 N. Bottom: Surrogate 2-Fluorobiphenyl recovered above control limits due to matrix interference.

Batch 47693, TPH DRO, Sample RMV 8-16 N. Bottom: MS/MSD recoveries above control limits due to matrix interference.

Batch 47733, Metals, Sample 1011116-07: MS/MSD performed on an unrelated sample.

ALS Environmental

Date: *16-Nov-10*

Client: HRL Compliance Solutions Inc.
Project: RMV 8-16
Sample ID: RMV 8-16 #2 Bottom
Collection Date: 11/1/2010 02:15 PM

Work Order: 1011252
Lab ID: 1011252-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO		Method: **SW8015M**			Prep: SW3541 / 11/9/10		Analyst: **RPM**
TPH (Diesel Range)	**580**		**10**	**34**	**mg/Kg**	20	11/9/2010 14:35
Surr: 2-Fluorobiphenyl	*645*	S		*70-130*	*%REC*	20	11/9/2010 14:35
GASOLINE RANGE ORGANICS		Method: **SW8015**					Analyst: **KKP**
Gasoline Range Organics	**0.70**		**0.020**	**0.050**	**mg/Kg**	1	11/8/2010 18:52
Surr: 4-Bromofluorobenzene	*70.9*			*70-130*	*%REC*	1	11/8/2010 18:52
BTEX		Method: **SW8021B**					Analyst: **IGF**
Benzene	**0.32**	J	**0.20**	**1.0**	**µg/Kg**	1	11/9/2010 19:34
Toluene	**9.3**		**0.40**	**1.0**	**µg/Kg**	1	11/9/2010 19:34
Ethylbenzene	**2.2**		**0.30**	**1.0**	**µg/Kg**	1	11/9/2010 19:34
Methyl tert-butyl ether	U		1.3	5.0	µg/Kg	1	11/9/2010 19:34
Xylenes, Total	**180**		**0.50**	**3.0**	**µg/Kg**	1	11/9/2010 19:34
Surr: 4-Bromofluorobenzene	*90.0*			*75-131*	*%REC*	1	11/9/2010 19:34
Surr: Trifluorotoluene	*84.1*			*73-130*	*%REC*	1	11/9/2010 19:34
TRIVALENT CHROMIUM		Method: **CALCULATION**					Analyst: **SKS**
Chromium, Trivalent	**5.56**		**0.70**	**5.00**	**mg/Kg**	1	11/15/2010
MERCURY		Method: **SW7471A**			Prep: SW7471A / 11/9/10		Analyst: **JCJ**
Mercury	**0.0214**		**0.00020**	**0.00342**	**mg/Kg**	1	11/9/2010 16:50
METALS		Method: **SW6020**			Prep: SW3050A / 11/9/10		Analyst: **ALR**
Arsenic	**5.88**		**0.059**	**0.495**	**mg/Kg**	1	11/9/2010 18:35
Barium	**2,970**		**7.9**	**99.0**	**mg/Kg**	100	11/10/2010 20:31
Cadmium	**0.485**	J	**0.040**	**0.495**	**mg/Kg**	1	11/9/2010 18:35
Chromium	**6.39**		**0.050**	**0.495**	**mg/Kg**	1	11/9/2010 18:35
Copper	**8.38**		**0.14**	**0.495**	**mg/Kg**	1	11/9/2010 18:35
Lead	**7.94**		**0.050**	**0.495**	**mg/Kg**	1	11/9/2010 18:35
Nickel	**10.7**		**0.059**	**0.495**	**mg/Kg**	1	11/9/2010 18:35
Selenium	**0.959**		**0.25**	**0.495**	**mg/Kg**	1	11/9/2010 18:35
Silver	**0.0539**	J	**0.040**	**0.495**	**mg/Kg**	1	11/9/2010 18:35
Zinc	**38.5**		**0.25**	**0.495**	**mg/Kg**	1	11/9/2010 18:35
LOW-LEVEL PAHS		Method: **SW8270**			Prep: SW3541 / 11/8/10		Analyst: **LG**
Acenaphthene	**0.018**		**0.0022**	**0.0066**	**mg/Kg**	1	11/10/2010 08:17
Acenaphthylene	U		0.0022	0.0066	mg/Kg	1	11/10/2010 08:17
Anthracene	**0.0045**	J	**0.0022**	**0.0066**	**mg/Kg**	1	11/10/2010 08:17
Benz(a)anthracene	U		0.0028	0.0066	mg/Kg	1	11/10/2010 08:17
Benzo(a)pyrene	U		0.0023	0.0066	mg/Kg	1	11/10/2010 08:17
Benzo(b)fluoranthene	U		0.0033	0.0066	mg/Kg	1	11/10/2010 08:17

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

ALS Environmental

Date: *16-Nov-10*

Client: HRL Compliance Solutions Inc.
Project: RMV 8-16
Sample ID: RMV 8-16 #2 Bottom
Collection Date: 11/1/2010 02:15 PM

Work Order: 1011252
Lab ID: 1011252-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Benzo(g,h,i)perylene	U		0.0029	0.0066	mg/Kg	1	11/10/2010 08:17
Benzo(k)fluoranthene	U		0.0033	0.0066	mg/Kg	1	11/10/2010 08:17
Chrysene	U		0.0029	0.0066	mg/Kg	1	11/10/2010 08:17
Dibenz(a,h)anthracene	U		0.0022	0.0066	mg/Kg	1	11/10/2010 08:17
Fluoranthene	U		0.0022	0.0066	mg/Kg	1	11/10/2010 08:17
Fluorene	**0.024**		**0.0022**	**0.0066**	**mg/Kg**	1	11/10/2010 08:17
Indeno(1,2,3-cd)pyrene	U		0.0035	0.0066	mg/Kg	1	11/10/2010 08:17
Naphthalene	**0.057**		**0.0033**	**0.0066**	**mg/Kg**	1	11/10/2010 08:17
Phenanthrene	**0.038**		**0.0030**	**0.0066**	**mg/Kg**	1	11/10/2010 08:17
Pyrene	**0.0036**	J	**0.0022**	**0.0066**	**mg/Kg**	1	11/10/2010 08:17
Surr: 2-Fluorobiphenyl	*69.8*			*43-125*	*%REC*	1	11/10/2010 08:17
Surr: 4-Terphenyl-d14	*84.4*			*32-125*	*%REC*	1	11/10/2010 08:17
Surr: Nitrobenzene-d5	*81.4*			*37-125*	*%REC*	1	11/10/2010 08:17
MISCELLANEOUS ANALYSIS		Method:	**NA**				Analyst: **SUB**
Miscellaneous Analysis	**See Attached**		**0**			1	11/16/2010
HEXAVALENT CHROMIUM		Method:	**SW7196**		Prep: SW3060A / 11/9/10		Analyst: **TDW**
Chromium, Hexavalent	**0.835**	J	**0.70**	**1.99**	**mg/Kg**	1	11/10/2010 15:00

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

ALS Environmental

Date: *16-Nov-10*

Client: HRL Compliance Solutions Inc.
Project: RMV 8-16
Sample ID: RMV 8-16 N. Bottom
Collection Date: 11/1/2010 02:00 PM

Work Order: 1011252
Lab ID: 1011252-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO		Method: **SW8015M**			Prep: SW3541 / 11/9/10		Analyst: **RPM**
TPH (Diesel Range)	**340**		**5.0**	**17**	**mg/Kg**	10	11/9/2010 14:54
Surr: 2-Fluorobiphenyl	*360*	S		*70-130*	*%REC*	10	11/9/2010 14:54
GASOLINE RANGE ORGANICS		Method: **SW8015**					Analyst: **KKP**
Gasoline Range Organics	**0.84**		**0.020**	**0.050**	**mg/Kg**	1	11/8/2010 19:07
Surr: 4-Bromofluorobenzene	*77.2*			*70-130*	*%REC*	1	11/8/2010 19:07
BTEX		Method: **SW8021B**					Analyst: **IGF**
Benzene	U		0.20	1.0	µg/Kg	1	11/9/2010 19:54
Toluene	**2.2**		**0.40**	**1.0**	**µg/Kg**	1	11/9/2010 19:54
Ethylbenzene	**1.0**	J	**0.30**	**1.0**	**µg/Kg**	1	11/9/2010 19:54
Methyl tert-butyl ether	U		1.3	5.0	µg/Kg	1	11/9/2010 19:54
Xylenes, Total	**79**		**0.50**	**3.0**	**µg/Kg**	1	11/9/2010 19:54
Surr: 4-Bromofluorobenzene	*86.4*			*75-131*	*%REC*	1	11/9/2010 19:54
Surr: Trifluorotoluene	*87.4*			*73-130*	*%REC*	1	11/9/2010 19:54
TRIVALENT CHROMIUM		Method: **CALCULATION**					Analyst: **SKS**
Chromium, Trivalent	**6.85**		**0.70**	**5.00**	**mg/Kg**	1	11/15/2010
MERCURY		Method: **SW7471A**			Prep: SW7471A / 11/9/10		Analyst: **JCJ**
Mercury	**0.0172**		**0.00021**	**0.00344**	**mg/Kg**	1	11/9/2010 17:05
METALS		Method: **SW6020**			Prep: SW3050A / 11/9/10		Analyst: **ALR**
Arsenic	**5.99**		**0.058**	**0.481**	**mg/Kg**	1	11/9/2010 18:41
Barium	**1,090**		**7.7**	**96.2**	**mg/Kg**	100	11/10/2010 20:36
Cadmium	**0.496**		**0.038**	**0.481**	**mg/Kg**	1	11/9/2010 18:41
Chromium	**6.85**		**0.048**	**0.481**	**mg/Kg**	1	11/9/2010 18:41
Copper	**8.45**		**0.13**	**0.481**	**mg/Kg**	1	11/9/2010 18:41
Lead	**7.96**		**0.048**	**0.481**	**mg/Kg**	1	11/9/2010 18:41
Nickel	**11.2**		**0.058**	**0.481**	**mg/Kg**	1	11/9/2010 18:41
Selenium	**0.956**		**0.24**	**0.481**	**mg/Kg**	1	11/9/2010 18:41
Silver	**0.0628**	J	**0.038**	**0.481**	**mg/Kg**	1	11/9/2010 18:41
Zinc	**37.5**		**0.24**	**0.481**	**mg/Kg**	1	11/9/2010 18:41
LOW-LEVEL PAHS		Method: **SW8270**			Prep: SW3541 / 11/8/10		Analyst: **LG**
Acenaphthene	**0.080**		**0.0022**	**0.0066**	**mg/Kg**	1	11/10/2010 20:52
Acenaphthylene	U		0.0022	0.0066	mg/Kg	1	11/10/2010 20:52
Anthracene	**0.013**		**0.0022**	**0.0066**	**mg/Kg**	1	11/10/2010 20:52
Benz(a)anthracene	U		0.0028	0.0066	mg/Kg	1	11/10/2010 20:52
Benzo(a)pyrene	U		0.0023	0.0066	mg/Kg	1	11/10/2010 20:52
Benzo(b)fluoranthene	U		0.0033	0.0066	mg/Kg	1	11/10/2010 20:52

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

ALS Environmental

Date: *16-Nov-10*

Client: HRL Compliance Solutions Inc.
Project: RMV 8-16
Sample ID: RMV 8-16 N. Bottom
Collection Date: 11/1/2010 02:00 PM

Work Order: 1011252
Lab ID: 1011252-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Benzo(g,h,i)perylene	U		0.0029	0.0066	mg/Kg	1	11/10/2010 20:52
Benzo(k)fluoranthene	U		0.0033	0.0066	mg/Kg	1	11/10/2010 20:52
Chrysene	U		0.0029	0.0066	mg/Kg	1	11/10/2010 20:52
Dibenz(a,h)anthracene	U		0.0022	0.0066	mg/Kg	1	11/10/2010 20:52
Fluoranthene	U		0.0022	0.0066	mg/Kg	1	11/10/2010 20:52
Fluorene	**0.050**		**0.0022**	**0.0066**	**mg/Kg**	1	11/10/2010 20:52
Indeno(1,2,3-cd)pyrene	U		0.0035	0.0066	mg/Kg	1	11/10/2010 20:52
Naphthalene	**0.058**		**0.0033**	**0.0066**	**mg/Kg**	1	11/10/2010 20:52
Phenanthrene	**0.028**		**0.0030**	**0.0066**	**mg/Kg**	1	11/10/2010 20:52
Pyrene	**0.0045**	J	**0.0022**	**0.0066**	**mg/Kg**	1	11/10/2010 20:52
Surr: 2-Fluorobiphenyl	*67.1*			*43-125*	*%REC*	1	11/10/2010 20:52
Surr: 4-Terphenyl-d14	*86.7*			*32-125*	*%REC*	1	11/10/2010 20:52
Surr: Nitrobenzene-d5	*69.5*			*37-125*	*%REC*	1	11/10/2010 20:52
MISCELLANEOUS ANALYSIS		Method:	**NA**				Analyst: **SUB**
Miscellaneous Analysis	**See Attached**		**0**			1	11/16/2010
HEXAVALENT CHROMIUM		Method:	**SW7196**		Prep: SW3060A / 11/9/10		Analyst: **TDW**
Chromium, Hexavalent	U		0.70	2.00	mg/Kg	1	11/10/2010 15:00

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

ALS Environmental

Date: 16-Nov-10

Client: HRL Compliance Solutions Inc.

Work Order: 1011252

Project: RMV 8-16

QC BATCH REPORT

Batch ID: **47693** Instrument ID **FID-7** Method: **SW8015M**

MBLK Sample ID: **FBLKS1-101109-47693** Units: **mg/Kg** Analysis Date: **11/9/2010 11:47 AM**

Client ID: Run ID: **FID-7_101109A** SeqNo: **2164075** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	U	1.7								
Surr: 2-Fluorobiphenyl	*3.91*	0.10	*3.33*	0	*117*	*70-130*	0			

LCS Sample ID: **FLCSS1-101109-47693** Units: **mg/Kg** Analysis Date: **11/9/2010 12:06 PM**

Client ID: Run ID: **FID-7_101109A** SeqNo: **2164078** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	41.22	1.7	33.33	0	124	70-130	0			
Surr: 2-Fluorobiphenyl	*4.24*	0.10	*3.33*	0	*127*	*70-130*	0			

MS Sample ID: **1011252-02BMS** Units: **mg/Kg** Analysis Date: **11/9/2010 01:07 PM**

Client ID: **RMV 8-16 N. Bottom** Run ID: **FID-7_101109A** SeqNo: **2164083** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	485.5	1.7	33.29	342.6	429	70-130	0			SEO
Surr: 2-Fluorobiphenyl	*7.436*	0.10	*3.326*	0	*224*	*70-130*	0			*SE*

MSD Sample ID: **1011252-02BMSD** Units: **mg/Kg** Analysis Date: **11/9/2010 01:26 PM**

Client ID: **RMV 8-16 N. Bottom** Run ID: **FID-7_101109A** SeqNo: **2164085** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	450.5	1.7	33.25	342.6	324	70-130	485.5	7.49	30	SEO
Surr: 2-Fluorobiphenyl	*7.109*	0.10	*3.322*	0	*214*	*70-130*	7.436	*4.49*	*30*	*SE*

The following samples were analyzed in this batch: 1011252-01B 1011252-02B

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

Client: HRL Compliance Solutions Inc.
Work Order: 1011252
Project: RMV 8-16

QC BATCH REPORT

Batch ID: **R100541** Instrument ID **FID-9** Method: **SW8015**

MBLK Sample ID: **GBLKS-110810-R100541** Units: **mg/Kg** Analysis Date: **11/8/2010 04:35 PM**
Client ID: Run ID: **FID-9_101108A** SeqNo: **2164296** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	U	0.050								
Surr: 4-Bromofluorobenzene	*0.08153*	0.0050	*0.1*	0	*81.5*	*70-130*	0			

LCS Sample ID: **GLCSS-110810-R100541** Units: **mg/Kg** Analysis Date: **11/8/2010 04:05 PM**
Client ID: Run ID: **FID-9_101108A** SeqNo: **2164294** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	1.058	0.050	1	0	106	70-130	0			
Surr: 4-Bromofluorobenzene	*0.08991*	0.0050	*0.1*	0	*89.9*	*70-130*	0			

LCSD Sample ID: **GLCSDS-110810-R100541** Units: **mg/Kg** Analysis Date: **11/8/2010 04:20 PM**
Client ID: Run ID: **FID-9_101108A** SeqNo: **2164295** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	1.01	0.050	1	0	101	70-130	1.058	4.67	30	
Surr: 4-Bromofluorobenzene	*0.08935*	0.0050	*0.1*	0	*89.4*	*70-130*	0.08991	*0.626*	*30*	

MS Sample ID: **10101135-05AMS** Units: **mg/Kg** Analysis Date: **11/8/2010 06:07 PM**
Client ID: Run ID: **FID-9_101108A** SeqNo: **2164298** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	0.8984	0.050	1	0	89.8	70-130	0			
Surr: 4-Bromofluorobenzene	*0.08038*	0.0050	*0.1*	0	*80.4*	*70-130*	0			

MSD Sample ID: **10101135-05AMSD** Units: **mg/Kg** Analysis Date: **11/8/2010 06:22 PM**
Client ID: Run ID: **FID-9_101108A** SeqNo: **2164299** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	0.9134	0.050	1	0	91.3	70-130	0.8984	1.65	30	
Surr: 4-Bromofluorobenzene	*0.08045*	0.0050	*0.1*	0	*80.5*	*70-130*	0.08038	*0.0933*	*30*	

The following samples were analyzed in this batch: 1011252-01A 1011252-02A

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

Client: HRL Compliance Solutions Inc.
Work Order: 1011252
Project: RMV 8-16

QC BATCH REPORT

Batch ID: **R100555** Instrument ID **BTEX3** Method: **SW8021B**

MBLK Sample ID: **BBLKS1-110910-R100555** Units: **µg/Kg** Analysis Date: **11/9/2010 11:09 AM**

Client ID: Run ID: **BTEX3_101109A** SeqNo: **2164647** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Methyl tert-butyl ether	U	5.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*24.31*	1.0	*30*	0	*81*	*75-131*	0			
Surr: Trifluorotoluene	*25.61*	1.0	*30*	0	*85.4*	*73-130*	0			

LCS Sample ID: **BLCSS1-110910-R100555** Units: **µg/Kg** Analysis Date: **11/9/2010 10:49 AM**

Client ID: Run ID: **BTEX3_101109A** SeqNo: **2164645** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.34	1.0	20	0	102	74-129	0			
Toluene	20.27	1.0	20	0	101	75-128	0			
Ethylbenzene	20.53	1.0	20	0	103	73-127	0			
Methyl tert-butyl ether	92.56	5.0	100	0	92.6	73-128	0			
Xylenes, Total	61.48	3.0	60	0	102	74-127	0			
Surr: 4-Bromofluorobenzene	*24.81*	1.0	*30*	0	*82.7*	*75-131*	0			
Surr: Trifluorotoluene	*26*	1.0	*30*	0	*86.7*	*73-130*	0			

MS Sample ID: **1011165-02AMS** Units: **µg/Kg** Analysis Date: **11/9/2010 07:13 PM**

Client ID: Run ID: **BTEX3_101109A** SeqNo: **2164664** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.69	1.0	20	0	103	74-129	0			
Toluene	20.41	1.0	20	0	102	75-128	0			
Ethylbenzene	20.32	1.0	20	0	102	73-127	0			
Methyl tert-butyl ether	97.23	5.0	100	0	97.2	73-128	0			
Xylenes, Total	62.46	3.0	60	0	104	74-127	0			
Surr: 4-Bromofluorobenzene	*24.56*	1.0	*30*	0	*81.9*	*75-131*	0			
Surr: Trifluorotoluene	*26.77*	1.0	*30*	0	*89.2*	*73-130*	0			

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

Client: HRL Compliance Solutions Inc.
Work Order: 1011252
Project: RMV 8-16

QC BATCH REPORT

Batch ID: **R100555** Instrument ID **BTEX3** Method: **SW8021B**

MSD Sample ID: **1011165-02AMSD** Units: **µg/Kg** Analysis Date: **11/9/2010 01:57 PM**

Client ID: Run ID: **BTEX3_101109A** SeqNo: **2164652** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.77	1.0	20	0	98.8	74-129	20.69	4.56	30	
Toluene	19.61	1.0	20	0	98	75-128	20.41	4.01	30	
Ethylbenzene	19.65	1.0	20	0	98.2	73-127	20.32	3.36	30	
Methyl tert-butyl ether	93.73	5.0	100	0	93.7	73-128	97.23	3.66	30	
Xylenes, Total	58.71	3.0	60	0	97.8	74-127	62.46	6.18	30	
Surr: 4-Bromofluorobenzene	*24.75*	1.0	*30*	0	*82.5*	*75-131*	24.56	*0.778*	*30*	
Surr: Trifluorotoluene	*26.85*	1.0	*30*	0	*89.5*	*73-130*	26.77	*0.294*	*30*	

The following samples were analyzed in this batch: 1011252-01A 1011252-02A

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

Client: HRL Compliance Solutions Inc.
Work Order: 1011252
Project: RMV 8-16

QC BATCH REPORT

Batch ID: **47721** Instrument ID **HG02** Method: **SW7471A**

MBLK Sample ID: **GBLKS1-110910-47721** Units: **µg/Kg** Analysis Date: **11/9/2010 04:38 PM**
Client ID: Run ID: **HG02_101109A** SeqNo: **2164401** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	3.3								

LCS Sample ID: **GLCSS1-110910-47721** Units: **µg/Kg** Analysis Date: **11/9/2010 04:40 PM**
Client ID: Run ID: **HG02_101109A** SeqNo: **2164403** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	324.7	3.3	333.3	0	97.4	85-115	0			

MS Sample ID: **1011252-01BMS** Units: **µg/Kg** Analysis Date: **11/9/2010 04:54 PM**
Client ID: **RMV 8-16 #2 Bottom** Run ID: **HG02_101109A** SeqNo: **2164407** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	324.2	3.4	341.3	21.44	88.7	85-115	0			

MSD Sample ID: **1011252-01BMSD** Units: **µg/Kg** Analysis Date: **11/9/2010 04:56 PM**
Client ID: **RMV 8-16 #2 Bottom** Run ID: **HG02_101109A** SeqNo: **2164409** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	319.2	3.4	342.5	21.44	86.9	85-115	324.2	1.57	20	

DUP Sample ID: **1011252-01BDUP** Units: **µg/Kg** Analysis Date: **11/9/2010 04:52 PM**
Client ID: **RMV 8-16 #2 Bottom** Run ID: **HG02_101109A** SeqNo: **2164406** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	20	3.5	0	0	0		21.44	6.94	20	

The following samples were analyzed in this batch: 1011252-01B 1011252-02B

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

Client: HRL Compliance Solutions Inc.
Work Order: 1011252
Project: RMV 8-16

QC BATCH REPORT

Batch ID: **47733** Instrument ID **ICPMS03** Method: **SW6020**

MBLK Sample ID: **MBLKS1-110910-47733** Units: **mg/Kg** Analysis Date: **11/9/2010 06:24 PM**

Client ID: Run ID: **ICPMS03_101109A** SeqNo: **2164634** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.50								
Barium	0.3464	1.0								J
Cadmium	U	0.50								
Chromium	0.05048	0.50								J
Copper	U	0.50								
Lead	0.1349	0.50								J
Nickel	U	0.50								
Selenium	U	0.50								
Silver	U	0.50								
Zinc	U	0.50								

LCS Sample ID: **MLCSS1-110910-47733** Units: **mg/Kg** Analysis Date: **11/9/2010 06:30 PM**

Client ID: Run ID: **ICPMS03_101109A** SeqNo: **2164635** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	8.554	0.50	10	0	85.5	80-120	0			
Barium	9.675	1.0	10	0	96.8	80-120	0			
Cadmium	9.269	0.50	10	0	92.7	80-120	0			
Chromium	9.238	0.50	10	0	92.4	80-120	0			
Copper	9.039	0.50	10	0	90.4	80-120	0			
Lead	9.616	0.50	10	0	96.2	80-120	0			
Nickel	9.26	0.50	10	0	92.6	80-120	0			
Selenium	8.892	0.50	10	0	88.9	80-120	0			
Silver	9.508	0.50	10	0	95.1	80-120	0			
Zinc	9.068	0.50	10	0	90.7	80-120	0			

MS Sample ID: **1011116-07BMS** Units: **mg/Kg** Analysis Date: **11/10/2010 09:22 AM**

Client ID: Run ID: **ICP7500_101109A** SeqNo: **2165634** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	12.98	0.47	9.346	3.839	97.8	75-125	0			
Barium	149.8	0.94	9.346	137	138	75-125	0			SO
Cadmium	8.354	0.47	9.346	0.2523	86.7	75-125	0			
Chromium	25.34	0.47	9.346	14.88	112	75-125	0			
Copper	24.2	0.47	9.346	14.41	105	75-125	0			
Lead	17.7	0.47	9.346	9.247	90.5	75-125	0			
Nickel	25.21	0.47	9.346	16.94	88.4	75-125	0			
Selenium	9.208	0.47	9.346	0.75	90.5	75-125	0			
Silver	8.313	0.47	9.346	0.06675	88.2	75-125	0			
Zinc	59.54	0.47	9.346	46.04	144	75-125	0			SO

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

Client: HRL Compliance Solutions Inc.
Work Order: 1011252
Project: RMV 8-16

QC BATCH REPORT

Batch ID: **47733** Instrument ID **ICPMS03** Method: **SW6020**

MSD Sample ID: **1011116-07BMSD** Units: **mg/Kg** Analysis Date: **11/10/2010 09:28 AM**

Client ID: Run ID: **ICP7500_101109A** SeqNo: **2165636** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	12.72	0.46	9.259	3.839	95.9	75-125	12.98	2.02	25	
Barium	146.8	0.93	9.259	137	106	75-125	149.8	2.06	25	O
Cadmium	7.891	0.46	9.259	0.2523	82.5	75-125	8.354	5.71	25	
Chromium	24.43	0.46	9.259	14.88	103	75-125	25.34	3.66	25	
Copper	23.43	0.46	9.259	14.41	97.4	75-125	24.2	3.24	25	
Lead	16.99	0.46	9.259	9.247	83.6	75-125	17.7	4.09	25	
Nickel	23.58	0.46	9.259	16.94	71.7	75-125	25.21	6.65	25	S
Selenium	8.907	0.46	9.259	0.75	88.1	75-125	9.208	3.32	25	
Silver	7.912	0.46	9.259	0.06675	84.7	75-125	8.313	4.94	25	
Zinc	58.61	0.46	9.259	46.04	136	75-125	59.54	1.58	25	SO

DUP Sample ID: **1011116-07BDUP** Units: **mg/Kg** Analysis Date: **11/10/2010 09:16 AM**

Client ID: Run ID: **ICP7500_101109A** SeqNo: **2165632** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.448	0.47	0	0	0	0-0	3.839	14.7	25	
Barium	157.6	0.94	0	0	0	0-0	137	14	25	
Cadmium	0.2858	0.47	0	0	0	0-0	0.2523	0	25	J
Chromium	16.57	0.47	0	0	0	0-0	14.88	10.7	25	
Copper	15.3	0.47	0	0	0	0-0	14.41	6.01	25	
Lead	9.906	0.47	0	0	0	0-0	9.247	6.88	25	
Nickel	17.41	0.47	0	0	0	0-0	16.94	2.69	25	
Selenium	0.7342	0.47	0	0	0	0-0	0.75	2.12	25	
Silver	0.06678	0.47	0	0	0	0-0	0.06675	0	25	J
Zinc	51.4	0.47	0	0	0	0-0	46.04	11	25	

The following samples were analyzed in this batch: 1011252-01B 1011252-02B

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

Client: HRL Compliance Solutions Inc.
Work Order: 1011252
Project: RMV 8-16

QC BATCH REPORT

Batch ID: **47697** Instrument ID **SV-4** Method: **SW8270**

MBLK Sample ID: **SBLKS1-101108-47697** Units: **µg/Kg** Analysis Date: **11/10/2010 12:32 AM**

Client ID: Run ID: **SV-4_101109B** SeqNo: **2166771** Prep Date: **11/8/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	U	6.6								
Acenaphthylene	U	6.6								
Anthracene	U	6.6								
Benz(a)anthracene	U	6.6								
Benzo(a)pyrene	U	6.6								
Benzo(b)fluoranthene	U	6.6								
Benzo(g,h,i)perylene	U	6.6								
Benzo(k)fluoranthene	U	6.6								
Chrysene	U	6.6								
Dibenz(a,h)anthracene	U	6.6								
Fluoranthene	U	6.6								
Fluorene	U	6.6								
Indeno(1,2,3-cd)pyrene	U	6.6								
Naphthalene	U	6.6								
Phenanthrene	U	6.6								
Pyrene	U	6.6								
Surr: 2-Fluorobiphenyl	*134.4*	6.6	*166.7*	0	*80.6*	*43-125*	0			
Surr: 4-Terphenyl-d14	*131.7*	6.6	*166.7*	0	*79*	*32-125*	0			
Surr: Nitrobenzene-d5	*135.3*	6.6	*166.7*	0	*81.2*	*37-125*	0			

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

Client: HRL Compliance Solutions Inc.
Work Order: 1011252
Project: RMV 8-16

QC BATCH REPORT

Batch ID: **47697** Instrument ID **SV-4** Method: **SW8270**

LCS Sample ID: **SLCSS1-101108-47697** Units: **µg/Kg** Analysis Date: **11/10/2010 12:52 AM**

Client ID: Run ID: **SV-4_101109B** SeqNo: **2166772** Prep Date: **11/8/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	131	6.6	166.7	0	78.6	50-120	0			
Acenaphthylene	143	6.6	166.7	0	85.8	50-120	0			
Anthracene	151	6.6	166.7	0	90.6	50-123	0			
Benz(a)anthracene	163.4	6.6	166.7	0	98	50-131	0			
Benzo(a)pyrene	159.6	6.6	166.7	0	95.7	50-130	0			
Benzo(b)fluoranthene	176	6.6	166.7	0	106	50-137	0			
Benzo(g,h,i)perylene	152.9	6.6	166.7	0	91.7	50-130	0			
Benzo(k)fluoranthene	158.8	6.6	166.7	0	95.3	50-143	0			
Chrysene	157.8	6.6	166.7	0	94.7	50-130	0			
Dibenz(a,h)anthracene	158	6.6	166.7	0	94.8	50-130	0			
Fluoranthene	158.4	6.6	166.7	0	95.1	50-131	0			
Fluorene	148.7	6.6	166.7	0	89.2	50-125	0			
Indeno(1,2,3-cd)pyrene	165.5	6.6	166.7	0	99.3	45-139	0			
Naphthalene	143.6	6.6	166.7	0	86.2	50-125	0			
Phenanthrene	146.6	6.6	166.7	0	88	50-125	0			
Pyrene	151.7	6.6	166.7	0	91	45-130	0			
Surr: 2-Fluorobiphenyl	*138.7*	6.6	*166.7*	0	*83.2*	*43-125*	0			
Surr: 4-Terphenyl-d14	*141*	6.6	*166.7*	0	*84.6*	*32-125*	0			
Surr: Nitrobenzene-d5	*142.8*	6.6	*166.7*	0	*85.7*	*37-125*	0			

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

Client: HRL Compliance Solutions Inc.
Work Order: 1011252
Project: RMV 8-16

QC BATCH REPORT

Batch ID: **47697** Instrument ID **SV-4** Method: **SW8270**

MS Sample ID: **1011209-12BMS** Units: **µg/Kg** Analysis Date: **11/10/2010 02:13 AM**

Client ID: Run ID: **SV-4_101109B** SeqNo: **2166776** Prep Date: **11/8/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	110.3	6.6	166.4	0	66.3	50-120	0			
Acenaphthylene	121.6	6.6	166.4	0	73	50-120	0			
Anthracene	140.3	6.6	166.4	0	84.3	50-123	0			
Benz(a)anthracene	162.1	6.6	166.4	0	97.4	50-131	0			
Benzo(a)pyrene	155.3	6.6	166.4	0	93.3	50-130	0			
Benzo(b)fluoranthene	159.1	6.6	166.4	0	95.6	50-137	0			
Benzo(g,h,i)perylene	153	6.6	166.4	0	91.9	50-130	0			
Benzo(k)fluoranthene	147.7	6.6	166.4	0	88.7	50-143	0			
Chrysene	153.5	6.6	166.4	0	92.2	50-130	0			
Dibenz(a,h)anthracene	166.1	6.6	166.4	0	99.8	50-130	0			
Fluoranthene	155.4	6.6	166.4	0	93.4	50-131	0			
Fluorene	125.5	6.6	166.4	0	75.4	50-125	0			
Indeno(1,2,3-cd)pyrene	165.5	6.6	166.4	0	99.4	45-139	0			
Naphthalene	124.2	6.6	166.4	0	74.6	50-125	0			
Phenanthrene	136.6	6.6	166.4	0	82.1	50-125	0			
Pyrene	144.2	6.6	166.4	0	86.7	45-130	0			
Surr: 2-Fluorobiphenyl	*115.7*	6.6	*166.4*	0	*69.5*	*43-125*	0			
Surr: 4-Terphenyl-d14	*134.7*	6.6	*166.4*	0	*81*	*32-125*	0			
Surr: Nitrobenzene-d5	*121.5*	6.6	*166.4*	0	*73*	*37-125*	0			

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

Client: HRL Compliance Solutions Inc.
Work Order: 1011252
Project: RMV 8-16

QC BATCH REPORT

Batch ID: **47697** Instrument ID **SV-4** Method: **SW8270**

MSD Sample ID: **1011209-12BMSD** Units: **µg/Kg** Analysis Date: **11/10/2010 02:33 AM**

Client ID: Run ID: **SV-4_101109B** SeqNo: **2166777** Prep Date: **11/8/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	119.2	6.6	166.6	0	71.6	50-120	110.3	7.75	30	
Acenaphthylene	130.6	6.6	166.6	0	78.4	50-120	121.6	7.14	30	
Anthracene	143.6	6.6	166.6	0	86.2	50-123	140.3	2.37	30	
Benz(a)anthracene	164.5	6.6	166.6	0	98.8	50-131	162.1	1.49	30	
Benzo(a)pyrene	158.9	6.6	166.6	0	95.4	50-130	155.3	2.28	30	
Benzo(b)fluoranthene	157.8	6.6	166.6	0	94.7	50-137	159.1	0.807	30	
Benzo(g,h,i)perylene	152.5	6.6	166.6	0	91.5	50-130	153	0.32	30	
Benzo(k)fluoranthene	151.4	6.6	166.6	0	90.9	50-143	147.7	2.48	30	
Chrysene	157.2	6.6	166.6	0	94.4	50-130	153.5	2.38	30	
Dibenz(a,h)anthracene	166.8	6.6	166.6	0	100	50-130	166.1	0.452	30	
Fluoranthene	158	6.6	166.6	0	94.9	50-131	155.4	1.67	30	
Fluorene	137.7	6.6	166.6	0	82.7	50-125	125.5	9.32	30	
Indeno(1,2,3-cd)pyrene	162.2	6.6	166.6	0	97.4	45-139	165.5	2.03	30	
Naphthalene	128.5	6.6	166.6	0	77.2	50-125	124.2	3.42	30	
Phenanthrene	145.5	6.6	166.6	0	87.4	50-125	136.6	6.33	30	
Pyrene	148.9	6.6	166.6	0	89.4	45-130	144.2	3.15	30	
Surr: 2-Fluorobiphenyl	*127.3*	6.6	*166.6*	0	*76.4*	*43-125*	115.7	*9.58*	*30*	
Surr: 4-Terphenyl-d14	*144.7*	6.6	*166.6*	0	*86.9*	*32-125*	134.7	*7.16*	*30*	
Surr: Nitrobenzene-d5	*124.4*	6.6	*166.6*	0	*74.7*	*37-125*	121.5	*2.34*	*30*	

The following samples were analyzed in this batch: 1011252-01B 1011252-02B

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

Client: HRL Compliance Solutions Inc.
Work Order: 1011252
Project: RMV 8-16

QC BATCH REPORT

Batch ID: **47783** Instrument ID **UV-2450** Method: **SW7196**

MBLK Sample ID: **WBLKS1-110910-47783** Units: **mg/kg** Analysis Date: **11/10/2010 03:00 PM**
Client ID: Run ID: **UV-2450_101110A** SeqNo: **2166049** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	U	2.0								

LCS Sample ID: **WLCSS1-110910-47783** Units: **mg/kg** Analysis Date: **11/10/2010 03:00 PM**
Client ID: Run ID: **UV-2450_101110A** SeqNo: **2166050** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	9.797	1.9	9.681	0	101	80-120	0			

LCSD Sample ID: **WLCSDS1-110910-47783** Units: **mg/kg** Analysis Date: **11/10/2010 03:00 PM**
Client ID: Run ID: **UV-2450_101110A** SeqNo: **2166077** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	9.893	2.0	9.973	0	99.2	80-120	9.797	0.983	20	

MS Sample ID: **1011252-01BMS** Units: **mg/kg** Analysis Date: **11/10/2010 03:00 PM**
Client ID: **RMV 8-16 #2 Bottom** Run ID: **UV-2450_101110A** SeqNo: **2166091** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	10.59	2.0	9.915	0.8353	98.4	75-125	0.8353	0	0	

DUP Sample ID: **1011252-01BDUP** Units: **mg/kg** Analysis Date: **11/10/2010 03:00 PM**
Client ID: **RMV 8-16 #2 Bottom** Run ID: **UV-2450_101110A** SeqNo: **2166079** Prep Date: **11/9/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.8613	2.0	0	0	0	0-0	0.8353	0	20	J

The following samples were analyzed in this batch: 1011252-01B 1011252-02B

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

ALS Environmental

Date: 16-Nov-10

Client: HRL Compliance Solutions Inc.
Project: RMV 8-16
WorkOrder: **1011252**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	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
M	Manually integrated, see raw data for justification
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

Acronym	Description
DCS	Detectability Check Study
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
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Units Reported	Description
µg/Kg	Micrograms per Kilogram
mg/Kg	Milligrams per Kilogram

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 # 1011252

PAGE 1 of 1

DISPOSAL By Lab or Return to Client

PROJECT NAME	RMV 8-16	SAMPLER	Reed Wold
PROJECT No.		SITE ID	RMV 8-16
		EDD FORMAT	
		PURCHASE ORDER	
COMPANY NAME	HRL COMPLIANCE SOLUTIONS Inc.	BILL TO COMPANY	Williams
SEND REPORT TO	Mark Mumby	INVOICE ATTN TO	Karolia Blaney
ADDRESS	744 HORIZON CT SUITE 140	ADDRESS	1058 co rd 215
CITY / STATE / ZIP	GRAND JUNCTION CO 81506	CITY / STATE / ZIP	Parachute CO 81635
PHONE	970-243-3271	PHONE	970-683-2295
FAX	970-243-3280	FAX	970-285-9573
E-MAIL	Mmumby@hricomp.com	E-MAIL	Karolia.blaney@williams.com

DATE 11/5/2010

TURNAROUND See notes

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	BTEX/ GRO	DRO/ PAH/	SAR/ EC/ PH	Metals (table 910-1)
	RMV 8-16 #2 Bottom	SO	11/1/2010	14:15	3	8		X	X	X	
	RMV 8-16 N. Bottom	SO	11/1/2010	14:00	3	8		X	X	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: Total Barium
No Barium
1-2 day on BTEX/GRO/DRO
Standard on the Rest.

QC PACKAGE (check below)	
X	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

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

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	Reed Wold	Reed Wold	11/5/10	3 pm
RECEIVED BY	FD	Fedex Ground	11/5/10	0830
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Environmental

Sample Receipt Checklist

Client Name: **HRL COMPLIANCE** Date/Time Received: **08-Nov-10 08:30**

Work Order: **1011252** Received by: **LOT**

Checklist completed by David Hightower (eSignature) 08-Nov-10 (Date) Reviewed by: Bethany Agarwal (eSignature) 08-Nov-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):	1.1c	002	
Cooler(s)/Kit(s):	3687		
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:

CUSTODY SEAL

ENVIRONMENTAL SAMPLING SUPPLY
9601 San Leandro St. Oakland, CA 800-233-8425

RO 11/8/10

Date: 11/5/10

Signature: Reed Wold

1011252

This portion can be removed for Recipient's records.

Date 11/5/10 FedEx Tracking Number 873530483722

Sender's Name Reed Wold Phone 970 243 3871

Company MRL compliance

Address 744 Horizon ct Suite 140

Dept/Floor/Suite/Room

City Grand Junction State Co ZIP 81506

Your Internal Billing Reference

Olsen's Agricultural Laboratory, Inc.

210 East 1st / PO Box 370 / McCook, Nebraska 69001
Office: 308-345-3670 / FAX: 308-345-7880
www.olsenlab.com

40365
ALS LABORATORY GROUP
10450 STANCLIFF RD STE 210
HOUSTON TX 77099

NAME : 1011252 DATE RECEIVED: 11/09/2010 DATE REPORTED: 11/12/2010

SOIL TEST RESULTS

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	Depth Inches	pH 1 : 1 Soil	pH Buffer Woodruff	LIME REC T/A 60% ECCE Legume	LIME REC T/A 60% ECCE Non Legume	EL	SOLUBLE SALTS mod. SP mmhos/cm	OM LOI %	NITRATE-N (FIA) ppm	NITRATE-N (FIA) lbs/A	PHOSPHORUS P1 ppm	PHOSPHORUS Bicarb ppm	PHOSPHORUS P2 ppm	PHOSPHORUS M2 ppm	PHOSPHORUS M3 ppm
922576	1011252 01C		0-8	7.9				H	5.50								
922577	1011252 02C		0-8	8.0				H	6.46								

LAB NUMBER	SULFATE-S Ca-P ppm	NH4OAc (Exchangeable) K ppm	Ca ppm	Mg ppm	Na ppm	DTPA Zn ppm	Fe ppm	Mn ppm	Cu ppm	BORON Sorbitol ppm	EST. CATION EXCHANGE CAPACITY (CEC) me/100g	% SATURATION BASE	H	Ca	Mg	K	Na
922576										1.6							
922577										1.5							

LAB NUMBER	SOLUBLE (SAT. EXT.) Ca me/L	Mg me/L	Na me/L	SODIUM ADSORPTION RATIO (SAR)	EXCH. SODIUM PERCENT (ESP)	GYPSUM REQ T/A	PARTICLE SIZE ANALYSIS SAND %	SILT %	CLAY %	SOIL TEXTURE	CHLORIDE ppm	CHLORIDE lbs/A	EXCH. NH4-N ppm	EXCH. NH4-N lbs/A	ALUMINUM ppm	TOTAL N %
922576	21.30	4.26	23.60	6.60	9	1.0										
922577	18.71	3.82	41.90	12.48	17	1.0										

SUGGESTED FERTILIZER RECOMMENDATIONS

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	CROP TO BE GROWN	YIELD GOAL	N lbs/A	P2O5 lbs/A	K2O lbs/A	S lbs/A	Zn lbs/A	MgO lbs/A	Fe lbs/A	Mn lbs/A	Cu lbs/A	B lbs/A	Cl lbs/A
922576	1011252 01C														
922577	1011252 02C														

Analysis By: Olsen's Ag. Lab

Recommendations By: Olsen's Ag. Lab

29-Nov-2010

Mark Mumby
HRL Compliance Solutions
744 Horizon Ct. Suite 140
Grand Junction, CO 81506

Re: **Williams RMV 8-16 Pit Closure 11/18/10** Work Order: **1011624**

Dear Mark,

ALS Environmental received 1 sample on 24-Nov-2010 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental 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 Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 9.

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

Sincerely,

Ann Preston

Electronically approved by: Joseph Ribar

Ann Preston
Project Manager

Certificate No: IL100452

ALS Group USA, Corp

Date: 29-Nov-10

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 11/18/10
Work Order: **1011624**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1011624-01	RMV 8-16 South Half	Soil		11/18/2010 16:40	11/24/2010 10:00	☐

ALS Group USA, Corp

Date: 29-Nov-10

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 11/18/10
Work Order: 1011624

Case Narrative

QC Summary

Batch 30705, Method DRO 8015, Sample 1011539-04BMS: MS / MSD failed accuracy criteria due to matrix interference. MS / MSD passed precision criteria.

ALS Group USA, Corp

Date: 29-Nov-10

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 11/18/10
WorkOrder: **1011624**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	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

Acronym	Description
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

Units Reported	Description
% of sample	Percent of Sample
mg/Kg-dry	Milligrams per Kilogram Dry Weight

ALS Group USA, Corp

Date: *29-Nov-10*

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 11/18/10 **Work Order:** 1011624
Sample ID: RMV 8-16 South Half **Lab ID:** 1011624-01
Collection Date: 11/18/2010 04:40 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **11/26/2010**	Analyst: **RM**
DRO (C10-C28)	**18**		**4.6**	**mg/Kg-dry**	1	11/29/2010 12:02 PM
Surr: 4-Terphenyl-d14	*49.4*		*30-125*	*%REC*	1	11/29/2010 12:02 PM
MOISTURE			**A2540 G**			Analyst: **NZ**
Moisture	**13**		**0.010**	**% of sample**	1	11/24/2010 05:50 PM

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

ALS Group USA, Corp

Date: 29-Nov-10

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1011624

Project: Williams RMV 8-16 Pit Closure 11/18/10

Batch ID: **30705** Instrument ID **GC8** Method: **SW8015M**

MBLK Sample ID: **DBLKS1-30705-30705** Units: **mg/Kg** Analysis Date: **11/29/2010 12:02 PM**

Client ID: Run ID: **GC8_101129A** SeqNo: **1492785** Prep Date: **11/26/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	4.2								
Surr: 4-Terphenyl-d14	*0.6185*	0	*1.667*	0	*37.1*	*30-125*	0			

LCS Sample ID: **DLCSS1-30705-30705** Units: **mg/Kg** Analysis Date: **11/29/2010 12:02 PM**

Client ID: Run ID: **GC8_101129A** SeqNo: **1492787** Prep Date: **11/26/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	105.2	4.2	166.7	0	63.1	60-130	0			
Surr: 4-Terphenyl-d14	*0.7643*	0	*1.667*	0	*45.9*	*30-125*	0			

LCSD Sample ID: **DLCSDS1-30705-30705** Units: **mg/Kg** Analysis Date: **11/29/2010 12:02 PM**

Client ID: Run ID: **GC8_101129A** SeqNo: **1492786** Prep Date: **11/26/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	140.5	4.2	166.7	0	84.3	60-130	105.2	28.7	30	
Surr: 4-Terphenyl-d14	*1.025*	0	*1.667*	0	*61.5*	*30-125*	0.7643	*29.1*	*30*	

MS Sample ID: **1011539-04BMS** Units: **mg/Kg** Analysis Date: **11/29/2010 12:02 PM**

Client ID: Run ID: **GC8_101129A** SeqNo: **1492782** Prep Date: **11/26/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	163.3	8.2	329.3	0	49.6	60-130	0			S
Surr: 4-Terphenyl-d14	*0.9127*	0	*3.293*	0	*27.7*	*30-125*	0			*S*

MSD Sample ID: **1011539-04BMSD** Units: **mg/Kg** Analysis Date: **11/29/2010 12:02 PM**

Client ID: Run ID: **GC8_101129A** SeqNo: **1492783** Prep Date: **11/26/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	170.9	8.3	330.3	0	51.7	60-130	163.3	4.56	30	S
Surr: 4-Terphenyl-d14	*0.9267*	0	*3.303*	0	*28.1*	*30-125*	0.9127	*1.52*	*30*	*S*

The following samples were analyzed in this batch: 1011624-01A

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

Client: HRL Compliance Solutions
Work Order: 1011624
Project: Williams RMV 8-16 Pit Closure 11/18/10

QC BATCH REPORT

Batch ID: **R84232** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS1-101124-R84232** Units: **% of sample** Analysis Date: **11/24/2010 05:50 PM**
Client ID: Run ID: **MOIST_101124D** SeqNo: **1492403** 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: **1011531-01B DUP** Units: **% of sample** Analysis Date: **11/24/2010 05:50 PM**
Client ID: Run ID: **MOIST_101124D** SeqNo: **1492381** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	12.2	0.010	0	0	0	0-0	13.8	12.3	20	

DUP Sample ID: **1011541-07B DUP** Units: **% of sample** Analysis Date: **11/24/2010 05:50 PM**
Client ID: Run ID: **MOIST_101124D** SeqNo: **1492393** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	55.9	0.010	0	0	0	0-0	55.2	1.26	20	

The following samples were analyzed in this batch: 1011624-01A

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

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **HRL** Date/Time Received: **24-Nov-10 10:00**

Work Order: **1011624** Received by: **DS**

Checklist completed by Diane Shaw (eSignature) 24-Nov-10 (Date) Reviewed by: Joseph Ribar (eSignature) 24-Nov-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):	5.2 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:

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 # 1011624

PAGE 1 of 1

DISPOSAL (By Lab) or Return to Client

PROJECT NAME	RMV 8-16 Pit Closure	SAMPLER	MEM
PROJECT No.		SITE ID	RMV 8-16
		EDD FORMAT	
		PURCHASE ORDER	
COMPANY NAME	HRL Compliance Solutions	BILL TO COMPANY	Williams Production
SEND REPORT TO	Mark Mumby	INVOICE ATTN TO	Kandace Blaney
ADDRESS	744 Horizon Ct Suite 140	ADDRESS	1058 County Rd 215
CITY / STATE / ZIP	Grand Junction, CO 81506	CITY / STATE / ZIP	Parachute CO 81635
PHONE	970-243-3271	PHONE	970-285-9377
FAX		FAX	
E-MAIL	mmumby@hrlcorp.com	E-MAIL	kandace.blaney@Williams.com

DATE 7/23/10

TURNAROUND 24 hour

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	DRO
	RMV 8-16 South Half	S	11/18/10	16:40	1	8		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: 24 TOT

5.2.2

QC PACKAGE (check below)	
	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

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

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY		Mark E. Mumby	11/23/10	17:30
RECEIVED BY		Diane F. Shaw	11/24/10	1000
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

Appendix 3: Background Raw Analytical Data

09-Feb-2011

Kris Rowe
HRL Compliance Solutions
744 Horizon Ct. Suite 140
Grand Junction, CO 81506

Re: **Williams RMV 8-16 Pit Closure 2/4/11** Work Order: **1102123**

Dear Kris,

ALS Environmental received 3 samples on 07-Feb-2011 10:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental 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 Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 14.

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

Sincerely,

Ann Preston

Electronically approved by: Ann Preston

Ann Preston
Project Manager

Certificate No: IL100452

ALS Group USA, Corp

Date: 09-Feb-11

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 2/4/11
Work Order: **1102123**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1102123-01	BKGD 1	Soil		2/4/2011 14:00	2/7/2011 10:30	☐
1102123-02	BKGD 2	Soil		2/4/2011 14:05	2/7/2011 10:30	☐
1102123-03	BKGD 3	Soil		2/4/2011 14:10	2/7/2011 10:30	☐

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 2/4/11
Work Order: 1102123

Case Narrative

The sample for pH was received after the hold time had expired.

ALS Group USA, Corp

Date: 09-Feb-11

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 2/4/11
WorkOrder: **1102123**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	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

Acronym	Description
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
TDL	Target Detection Limit

Units Reported	Description
% of sample	Percent of Sample
mg/Kg-dry	Milligrams per Kilogram Dry Weight
s.u.	Standard Units

ALS Group USA, Corp

Date: *09-Feb-11*

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 2/4/11 **Work Order:** 1102123
Sample ID: BKGD 1 **Lab ID:** 1102123-01
Collection Date: 2/4/2011 02:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **2/7/2011**	Analyst: **CES**
Arsenic	**7.0**		**1.2**	**mg/Kg-dry**	2	2/8/2011 01:08 PM
MOISTURE			**A2540 G**			Analyst: **JJG**
Moisture	**26**		**0.010**	**% of sample**	1	2/7/2011 09:25 AM

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

ALS Group USA, Corp

Date: *09-Feb-11*

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 2/4/11 **Work Order:** 1102123
Sample ID: BKGD 2 **Lab ID:** 1102123-02
Collection Date: 2/4/2011 02:05 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **2/7/2011**	Analyst: **CES**
Arsenic	**4.1**		**1.7**	**mg/Kg-dry**	2	2/8/2011 01:14 PM
MOISTURE			**A2540 G**			Analyst: **JJG**
Moisture	**52**		**0.010**	**% of sample**	1	2/7/2011 09:25 AM

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

ALS Group USA, Corp

Date: *09-Feb-11*

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 2/4/11 **Work Order:** 1102123
Sample ID: BKGD 3 **Lab ID:** 1102123-03
Collection Date: 2/4/2011 02:10 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **2/7/2011**	Analyst: **CES**
Arsenic	**5.2**		**1.1**	**mg/Kg-dry**	2	2/8/2011 01:20 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**Rcvd 2/9/11**			**attached**	1	2/9/2011
MOISTURE			**A2540 G**			Analyst: **JJG**
Moisture	**16**		**0.010**	**% of sample**	1	2/7/2011 09:25 AM
PH			**SW9045D**			Analyst: **JJG**
pH	**9.2**	H		**s.u.**	1	2/7/2011 09:30 AM

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

Report Number: F11038-0027
Acount Number: 91000

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone 260-483-4759 • Fax 260-483-5274
www.algreatlakes.com • lab@algreatlakes.com

QUALITY ANALYSES FOR INFORMED DECISIONS

TO: ALS LABORATORY GROUP
3352 128TH AVE
HOLLAND, MI 49424-9263

RE: 1102123 WO#

DATE RECEIVED: 02/08/2011
DATE REPORTED: 02/09/2011
PAGE: 1
P.O. NUMBER: 20-122009704

ATTN: ANN PRESTON

REPORT OF ANALYSIS

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
35948	03B	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	0.53	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	26	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	10	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	441	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	18.6	-	USDA Handbook 60

ALS Group USA, Corp

Date: 09-Feb-11

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1102123

Project: Williams RMV 8-16 Pit Closure 2/4/11

Batch ID: **31782** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-31782-31782** Units: **mg/Kg** Analysis Date: **2/8/2011 12:50 PM**

Client ID: Run ID: **ICPMS1_110208A** SeqNo: **1552904** Prep Date: **2/7/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								

LCS Sample ID: **LCS-31782-31782** Units: **mg/Kg** Analysis Date: **2/8/2011 12:57 PM**

Client ID: Run ID: **ICPMS1_110208A** SeqNo: **1552905** Prep Date: **2/7/2011** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.424	0.50	5	0	88.5	80-120	0			

LCSD Sample ID: **LCSD-31782-31782** Units: **mg/Kg** Analysis Date: **2/8/2011 01:02 PM**

Client ID: Run ID: **ICPMS1_110208A** SeqNo: **1552906** Prep Date: **2/7/2011** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.588	0.50	5	0	91.8	80-120	4.424	3.64	20	

MS Sample ID: **1102069-10BMS** Units: **mg/Kg** Analysis Date: **2/8/2011 01:38 PM**

Client ID: Run ID: **ICPMS1_110208A** SeqNo: **1552912** Prep Date: **2/7/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.523	0.43	8.681	2.227	84	80-120	0			

MSD Sample ID: **1102069-10BMSD** Units: **mg/Kg** Analysis Date: **2/8/2011 01:44 PM**

Client ID: Run ID: **ICPMS1_110208A** SeqNo: **1552913** Prep Date: **2/7/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.186	0.43	8.658	2.227	80.4	80-120	9.523	3.6	25	

The following samples were analyzed in this batch: 1102123-01A 1102123-02A 1102123-03A

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

Client: HRL Compliance Solutions
Work Order: 1102123
Project: Williams RMV 8-16 Pit Closure 2/4/11

QC BATCH REPORT

Batch ID: **R86785** Instrument ID **WETCHEM** Method: **SW9040**

DUP Sample ID: **1102127-01A DUP** Units: **s.u.** Analysis Date: **2/7/2011 09:30 AM**
Client ID: Run ID: **WETCHEM_110207L** SeqNo: **1552365** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	1.2	0	0	0	0	0-0	1.2	0	20	

DUP Sample ID: **1102123-03A DUP** Units: **s.u.** Analysis Date: **2/7/2011 09:30 AM**
Client ID: **BKGD 3** Run ID: **WETCHEM_110207L** SeqNo: **1552367** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	9.22	0	0	0	0	0-0	9.22	0	20	H

The following samples were analyzed in this batch: 1102123-03A

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

Client: HRL Compliance Solutions
Work Order: 1102123
Project: Williams RMV 8-16 Pit Closure 2/4/11

QC BATCH REPORT

Batch ID: **R86790** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS1-110207-R86790** Units: **% of sample** Analysis Date: **2/7/2011 09:25 AM**
Client ID: Run ID: **MOIST_110207A** SeqNo: **1552458** 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: **1102120-02B DUP** Units: **% of sample** Analysis Date: **2/7/2011 09:25 AM**
Client ID: Run ID: **MOIST_110207A** SeqNo: **1552461** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	14.1	0.010	0	0	0	0-0	14.2	0.707	20	

DUP Sample ID: **1102131-06A DUP** Units: **% of sample** Analysis Date: **2/7/2011 09:25 AM**
Client ID: Run ID: **MOIST_110207A** SeqNo: **1552473** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	25.8	0.010	0	0	0	0-0	24.7	4.36	20	

The following samples were analyzed in this batch: 1102123-01A 1102123-02A 1102123-03A

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

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 # 1102123

		SAMPLER	Reed Wold	DATE	2/2/2011	PAGE	1 of 1
PROJECT NAME	Williams RMV 8-16 Pit Closure	SITE ID		TURNAROUND	24 HR	DISPOSAL	By Lab or Return to Client
PROJECT No.		EDD FORMAT					
		PURCHASE ORDER					
COMPANY NAME	HRL COMPLIANCE SOLUTIONS Inc.	BILL TO COMPANY	Williams Production RMT				
SEND REPORT TO	KRIS ROWE	INVOICE ATTN TO	Karolina Blaney				
ADDRESS	744 HORIZON CT SUITE 140	ADDRESS	1058 Country Road 215				
CITY / STATE / ZIP	GRAND JUNCTION CO 81506	CITY / STATE / ZIP	Parachute CO 81635				
PHONE	970-243-3271	PHONE	970-683-2295				
FAX	970-243-3280	FAX	970-285-9573				
E-MAIL	KROWE@HRLCOMP.COM	E-MAIL	karolina.blaney@williams.com				

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	Arsenic	SAR / EC / pH
01	BKGD 1	SO	2/4/2011	14:00	1			X	
02	BKGD 2	SO	2/4/2011	14:05	1			X	
03	BKGD 3	SO	2/4/2011	14:10	1			X	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:	QC PACKAGE (check below)	
5.8 'c		LEVEL II (Standard QC)
		LEVEL III (Std QC + forms)
		LEVEL IV (Std QC + forms + raw data)

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

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY		Reed Wold	2/4/2011	17:00
RECEIVED BY		Diane F. Shaw	2/7/11	1030
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **HRL** Date/Time Received: **07-Feb-11 10:30**

Work Order: **1102123** Received by: **DS**

Checklist completed by Diane Shaw (eSignature) 07-Feb-11 (Date) Reviewed by: Ann Preston (eSignature) 08-Feb-11 (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):	5.8 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:

SDR

FedEx® Saturday Delivery

151967 REV 10/04 MWI

FedEx® US Airbill Express

FedEx Tracking Number 8746 3271 8224

0200 Form ID No.

FedEx Retrieval Copy

1 From

Date 2/4/2011 Sender's FedEx Account Number

Sender's Name Reed Wold Phone 970 243 3321

Company HRL Compliance Solutions Inc.

Address 744 Horizon Ct 140 Dept./Floor/Suite/Room

City Grand Junction State CO ZIP 81635

2 Your Internal Billing Reference

3 To

Recipient's Name Sample Receiving Phone 616 399-6070

Company ALS Group

Address 3352 128th AVE Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.

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

City Holland State MI ZIP 49424

HOLD Weekday 01 ☐ FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday 31 ☐ FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

8746 3271 8224

4a Express Package Service * To most locations. *Packages up to 150 lbs.*

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

05 ☐ FedEx Standard Overnight — Next 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 ** To most locations. *Packages over 150 lbs.*

70 ☐ FedEx 1Day Freight — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected. FedEx 1Day Freight Booking No.

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

83 ☐ FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

06 ☐ FedEx Envelope* 02 ☐ FedEx Pak* Includes FedEx Small Pak and FedEx Large Pak. 03 ☐ FedEx Box 04 ☐ FedEx Tube 01 ☒ Other

6 Special Handling and Delivery Signature Options

03 ☒ **SATURDAY DELIVERY**

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

10 ☐ 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. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods? One box must be checked.

☒ No 04 ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. 06 ☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ 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. in Section 1 will be billed. 2 ☒ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. ☐

[redacted]

Total Packages 1 Total Weight 18 lbs. Credit Card Auth.

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

606

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fedex.com 1.800.GoFedEx 1.800.463.3339

Appendix 4: Sundry Notice Form 4

FORM 4 Rev 12/05

State of Colorado
Oil and Gas Conservation Commission

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

SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

1. OGCC Operator Number:	96850	4. Contact Name	Karolina Blaney
2. Name of Operator:	Williams Production RMT Company	Phone:	970-683-2295
3. Address:	1058 County Road 215	Fax:	970-285-9573
City: Parachute	State: CO Zip: 81635		

Complete the Attachment Checklist — OP OGCC

5. API Number	05- 045-06903	OGCC Facility ID Number	N/A
6. Well/Facility Name:	Clough RMV 8-16	7. Well/Facility Number	N/A
8. Location (QtrQtr, Sec, Twp, Rng, Meridian):	NENW, Sec 16, T6S, R94W, 6th PM		
9. County:	Garfield	10. Field Name:	Rulison
11. Federal, Indian or State Lease Number:			

Attachment Checklist		OP OGCC
Survey Plat		
Directional Survey		
Surface Eqpmt Diagram		
Technical Info Page	X	
Other		

General Notice

☐ CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)

	FNL/FSL		FEL/FWL	
Change of Surface Footage from Exterior Section Lines:				
Change of Surface Footage to Exterior Section Lines:				
Change of Bottomhole Footage from Exterior Section Lines:				
Change of Bottomhole Footage to Exterior Section Lines:				attach directional survey

Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer

Latitude — Distance to nearest property line — Distance to nearest bldg, public rd, utility or RR

Longitude — Distance to nearest lease line — Is location in a High Density Area (rule 603b)? Yes/No

Ground Elevation — Distance to nearest well same formation — Surface owner consultation date:

GPS DATA:
Date of Measurement — PDOP Reading — Instrument Operator's Name

☐ CHANGE SPACING UNIT

Formation	Formation Code	Spacing order number	Unit Acreage	Unit configuration

☐ Remove from surface bond — Signed surface use agreement attached

☐ CHANGE OF OPERATOR (prior to drilling):
Effective Date:
Plugging Bond: ☐ Blanket ☐ Individual

☐ CHANGE WELL NAME NUMBER
From:
To:
Effective Date:

☐ ABANDONED LOCATION:
Was location ever built? ☐ Yes ☐ No
Is site ready for Inspection? ☐ Yes ☐ No
Date Ready for Inspection:

☐ NOTICE OF CONTINUED SHUT IN STATUS
Date well shut in or temporarily abandoned:
Has Production Equipment been removed from site? ☐ Yes ☐ No
MIT required if shut in longer than two years. Date of last MIT

☐ SPUD DATE:

☐ REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)

☐ SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK *submit cbl and cement job summaries

Method used	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom	Date

☐ RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.
Final reclamation will commence on approximately
☐ Final reclamation is completed and site is ready for inspection.

Technical Engineering/Environmental Notice

☐ Notice of Intent — Approximate Start Date:
☐ Report of Work Done — Date Work Completed:

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

☐ Intent to Recomplete (submit form 2)	☐ Request to Vent or Flare	☐ E&P Waste Disposal
☐ Change Drilling Plans	☐ Repair Well	☐ Beneficial Reuse of E&P Waste
☐ Gross Interval Changed?	☐ Rule 502 variance requested	☐ Status Update/Change of Remediation Plans for Spills and Releases
☐ Casing/Cementing Program Change	☒ Other: Background	

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

Signed: Karolina Blaney — Date: 2/9/2010 — Email: Karolina.Blaney@williams.com

Print Name: Karolina Blaney — Title: Environmental Specialist

COGCC Approved: — Title: — Date:

CONDITIONS OF APPROVAL, IF ANY:

Click here to reset form

FORM 4 Rev 12/05

Page 2

TECHNICAL INFORMATION PAGE

FOR OGCC USE ONLY

1. OGCC Operator Number: 96850 API Number: 05-045-06903
2. Name of Operator: Williams Production RMT OGCC Facility ID # N/A
3. Well/Facility Name: Clough RMV 8-16 Well/Facility Number: N/A
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NENW, Sec 16, T6S, R94W, 6th PM

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS**

This COGCC Form 4 is being submitted as a request to consider the background concentration levels for arsenic at the RMV 8-16 well pad relative to production pit closure at the subject facillity in accordance with footnote 1 to the COGCC Table 9101-1.

The request is based on the analytical results below (see attached analytical)

Eight (8) grab samples were collected from locations within the pit footprint at depths of approximately 20' to 20.6' below pad grade to ascertain the arsenic concentrations of the facility.

RMV 8-16 Northwest Wall (#1) - 8.8 mg/kg
RMV 8-16 Southwest Wall (#2) - 10.2 mg/kg
RMV 8-16 Southwest Wall (#3) - 10.2 mg/kg
RMV 8-16 Southeast Wall (#4) - 8.3 mg/kg
RMV 8-16 Northeast Wall (#5) - 7.8 mg/kg
RMV 8-16 Northeast Wall (#6) - 11.8 mg/kg
RMV 8-16 North Pit Bottom (#7) - 5.99 mg/kg
RMV 8-16 South Pit Bottom (#8) - 5.88 mg/kg

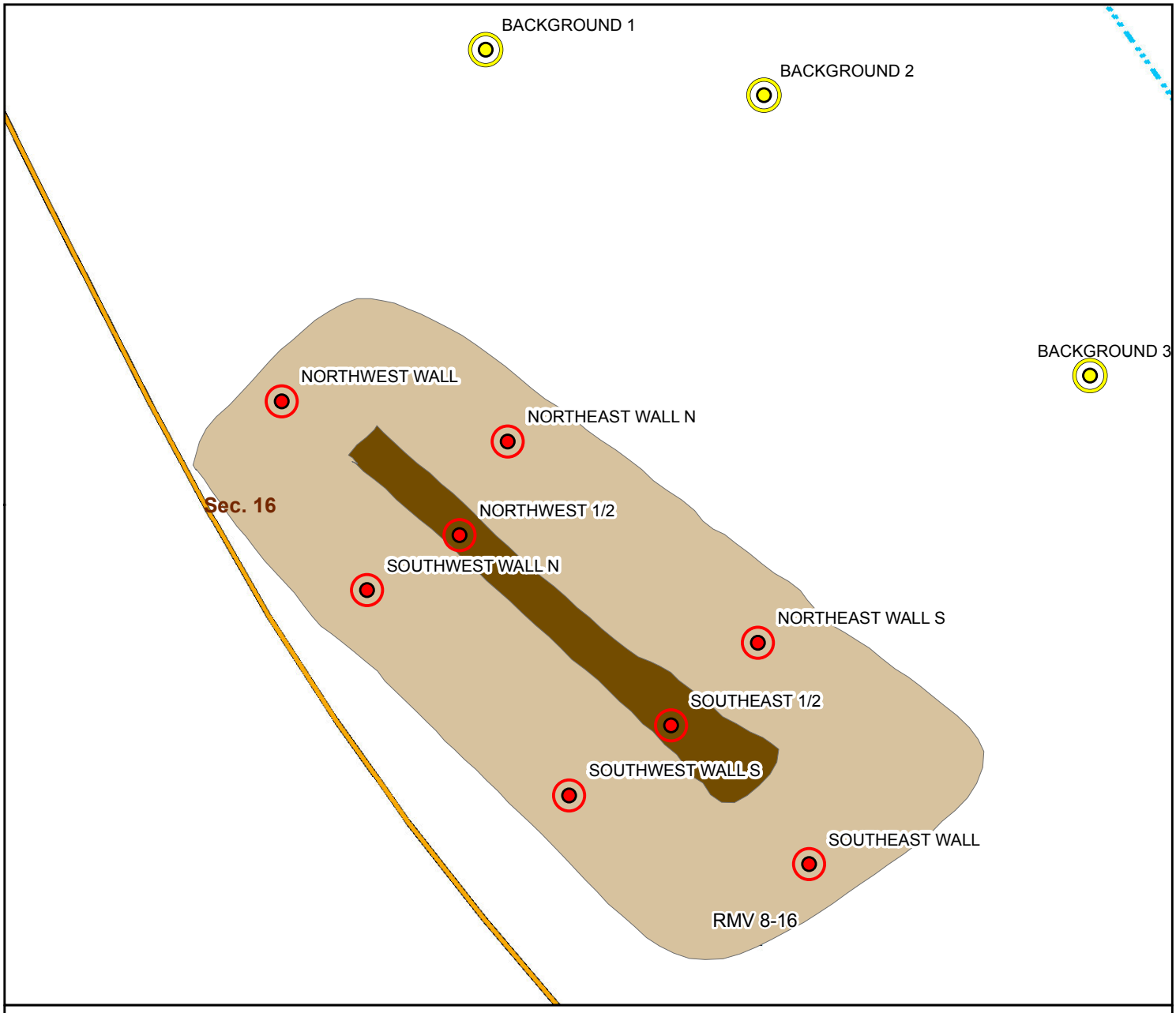
Average concentration - 8.62 mg/kg

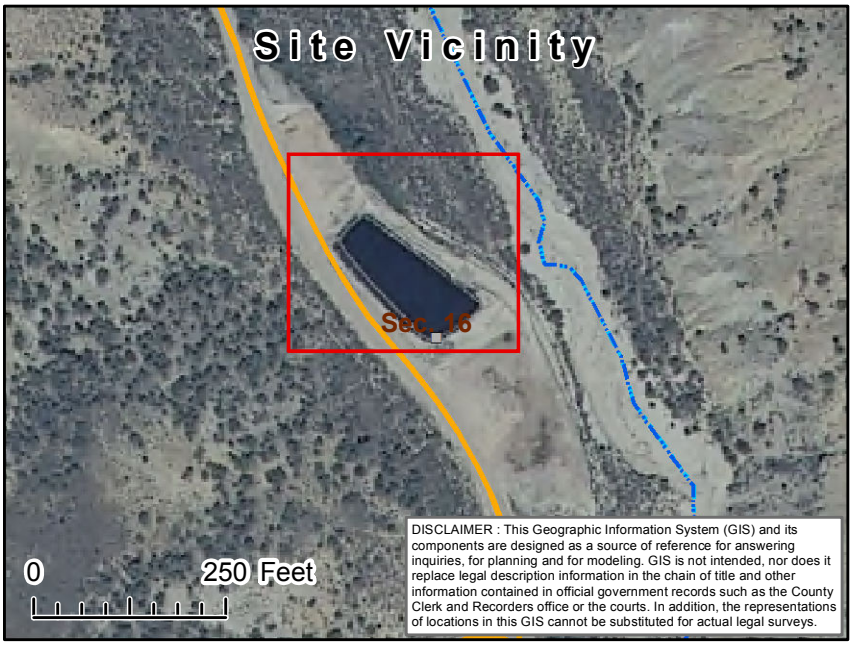
Three (3) grab samples were collected from nearby non-impacted, native soil from surface to 6" below to establish the background arsenic concentrations.

RMV 8-16 BKGD 1 - 7.0 mg/kg
RMV 8-16 BKGD 2 - 4.1 mg/kg
RMV 8-16 BKGD 3 - 5.2 mg/kg

Average concentration - 5.43 mg/kg

Williams is requesting this approval in order to proceed with closure and reclamation of the produced water pit on the RMV 8-16 well pad.





DISCLAIMER : This Geographic Information System (GIS) and its components are designed as a source of reference for answering inquiries, for planning and for modeling. GIS is not intended, nor does it replace legal description information in the chain of title and other information contained in official government records such as the County Clerk and Recorders office or the courts. In addition, the representations of locations in this GIS cannot be substituted for actual legal surveys.

Location Map

Location: RMV 8-16

Williams Production RMT

Legend

- Sample Location
- Background Sample Location

Location Features

- Well Head Location

PLSS

- Township
- Section

Transportation Features

- Highways
- Public Roads
- Williams Access Roads

Hydrographic Features

- Perennial Stream
- Intermittent Stream
- Ditch/Canal
- River

N
W
E
S

0 12.5 25 50 Feet

HRL COMPLIANCE SOLUTIONS, INC.
Environmental Consulting

T:\Client_Specific\2008\Williams_EP\Pit Closures\2011\RMV 8-16\RMV 8-16 Pit Closure.mxd HCSI_jharris

Revision Date: 2/9/2011 5:11:10 PM

09-Feb-2011

Kris Rowe
HRL Compliance Solutions
744 Horizon Ct. Suite 140
Grand Junction, CO 81506

Re: **Williams RMV 8-16 Pit Closure 2/4/11** Work Order: **1102123**

Dear Kris,

ALS Environmental received 3 samples on 07-Feb-2011 10:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental 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 Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 14.

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

Sincerely,

Ann Preston

Electronically approved by: Ann Preston

Ann Preston
Project Manager

Certificate No: IL100452

ALS Group USA, Corp

Date: 09-Feb-11

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 2/4/11
Work Order: **1102123**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1102123-01	BKGD 1	Soil		2/4/2011 14:00	2/7/2011 10:30	☐
1102123-02	BKGD 2	Soil		2/4/2011 14:05	2/7/2011 10:30	☐
1102123-03	BKGD 3	Soil		2/4/2011 14:10	2/7/2011 10:30	☐

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 2/4/11
Work Order: 1102123

Case Narrative

The sample for pH was received after the hold time had expired.

ALS Group USA, Corp

Date: 09-Feb-11

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 2/4/11
WorkOrder: **1102123**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	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

Acronym	Description
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
TDL	Target Detection Limit

Units Reported	Description
% of sample	Percent of Sample
mg/Kg-dry	Milligrams per Kilogram Dry Weight
s.u.	Standard Units

ALS Group USA, Corp

Date: *09-Feb-11*

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 2/4/11 **Work Order:** 1102123
Sample ID: BKGD 1 **Lab ID:** 1102123-01
Collection Date: 2/4/2011 02:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **2/7/2011**	Analyst: **CES**
Arsenic	**7.0**		**1.2**	**mg/Kg-dry**	2	2/8/2011 01:08 PM
MOISTURE			**A2540 G**			Analyst: **JJG**
Moisture	**26**		**0.010**	**% of sample**	1	2/7/2011 09:25 AM

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

ALS Group USA, Corp

Date: *09-Feb-11*

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 2/4/11 **Work Order:** 1102123
Sample ID: BKGD 2 **Lab ID:** 1102123-02
Collection Date: 2/4/2011 02:05 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **2/7/2011**	Analyst: **CES**
Arsenic	**4.1**		**1.7**	**mg/Kg-dry**	2	2/8/2011 01:14 PM
MOISTURE			**A2540 G**			Analyst: **JJG**
Moisture	**52**		**0.010**	**% of sample**	1	2/7/2011 09:25 AM

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

ALS Group USA, Corp

Date: *09-Feb-11*

Client: HRL Compliance Solutions
Project: Williams RMV 8-16 Pit Closure 2/4/11 **Work Order:** 1102123
Sample ID: BKGD 3 **Lab ID:** 1102123-03
Collection Date: 2/4/2011 02:10 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **2/7/2011**	Analyst: **CES**
Arsenic	**5.2**		**1.1**	**mg/Kg-dry**	2	2/8/2011 01:20 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**Rcvd 2/9/11**			**attached**	1	2/9/2011
MOISTURE			**A2540 G**			Analyst: **JJG**
Moisture	**16**		**0.010**	**% of sample**	1	2/7/2011 09:25 AM
PH			**SW9045D**			Analyst: **JJG**
pH	**9.2**	H		**s.u.**	1	2/7/2011 09:30 AM

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

Report Number: F11038-0027
Acount Number: 91000

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone 260-483-4759 • Fax 260-483-5274
www.algreatlakes.com • lab@algreatlakes.com

QUALITY ANALYSES FOR INFORMED DECISIONS

TO: ALS LABORATORY GROUP
3352 128TH AVE
HOLLAND, MI 49424-9263

RE: 1102123 WO#

DATE RECEIVED: 02/08/2011
DATE REPORTED: 02/09/2011
PAGE: 1
P.O. NUMBER: 20-122009704

ATTN: ANN PRESTON

REPORT OF ANALYSIS

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
35948	03B	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	0.53	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	26	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	10	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	441	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	18.6	-	USDA Handbook 60

ALS Group USA, Corp

Date: 09-Feb-11

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1102123

Project: Williams RMV 8-16 Pit Closure 2/4/11

Batch ID: **31782** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-31782-31782** Units: **mg/Kg** Analysis Date: **2/8/2011 12:50 PM**

Client ID: Run ID: **ICPMS1_110208A** SeqNo: **1552904** Prep Date: **2/7/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								

LCS Sample ID: **LCS-31782-31782** Units: **mg/Kg** Analysis Date: **2/8/2011 12:57 PM**

Client ID: Run ID: **ICPMS1_110208A** SeqNo: **1552905** Prep Date: **2/7/2011** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.424	0.50	5	0	88.5	80-120	0			

LCSD Sample ID: **LCSD-31782-31782** Units: **mg/Kg** Analysis Date: **2/8/2011 01:02 PM**

Client ID: Run ID: **ICPMS1_110208A** SeqNo: **1552906** Prep Date: **2/7/2011** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.588	0.50	5	0	91.8	80-120	4.424	3.64	20	

MS Sample ID: **1102069-10BMS** Units: **mg/Kg** Analysis Date: **2/8/2011 01:38 PM**

Client ID: Run ID: **ICPMS1_110208A** SeqNo: **1552912** Prep Date: **2/7/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.523	0.43	8.681	2.227	84	80-120	0			

MSD Sample ID: **1102069-10BMSD** Units: **mg/Kg** Analysis Date: **2/8/2011 01:44 PM**

Client ID: Run ID: **ICPMS1_110208A** SeqNo: **1552913** Prep Date: **2/7/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.186	0.43	8.658	2.227	80.4	80-120	9.523	3.6	25	

The following samples were analyzed in this batch: 1102123-01A 1102123-02A 1102123-03A

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

Client: HRL Compliance Solutions
Work Order: 1102123
Project: Williams RMV 8-16 Pit Closure 2/4/11

QC BATCH REPORT

Batch ID: **R86785** Instrument ID **WETCHEM** Method: **SW9040**

DUP Sample ID: **1102127-01A DUP** Units: **s.u.** Analysis Date: **2/7/2011 09:30 AM**
Client ID: Run ID: **WETCHEM_110207L** SeqNo: **1552365** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	1.2	0	0	0	0	0-0	1.2	0	20	

DUP Sample ID: **1102123-03A DUP** Units: **s.u.** Analysis Date: **2/7/2011 09:30 AM**
Client ID: **BKGD 3** Run ID: **WETCHEM_110207L** SeqNo: **1552367** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	9.22	0	0	0	0	0-0	9.22	0	20	H

The following samples were analyzed in this batch: 1102123-03A

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

Client: HRL Compliance Solutions
Work Order: 1102123
Project: Williams RMV 8-16 Pit Closure 2/4/11

QC BATCH REPORT

Batch ID: **R86790** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS1-110207-R86790** Units: **% of sample** Analysis Date: **2/7/2011 09:25 AM**
Client ID: Run ID: **MOIST_110207A** SeqNo: **1552458** 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: **1102120-02B DUP** Units: **% of sample** Analysis Date: **2/7/2011 09:25 AM**
Client ID: Run ID: **MOIST_110207A** SeqNo: **1552461** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	14.1	0.010	0	0	0	0-0	14.2	0.707	20	

DUP Sample ID: **1102131-06A DUP** Units: **% of sample** Analysis Date: **2/7/2011 09:25 AM**
Client ID: Run ID: **MOIST_110207A** SeqNo: **1552473** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	25.8	0.010	0	0	0	0-0	24.7	4.36	20	

The following samples were analyzed in this batch: 1102123-01A 1102123-02A 1102123-03A

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

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 # 1102123

		SAMPLER	Reed Wold	DATE	2/2/2011	PAGE	1 of 1
PROJECT NAME	Williams RMV 8-16 Pit Closure	SITE ID		TURNAROUND	24 HR	DISPOSAL	By Lab or Return to Client
PROJECT No.		EDD FORMAT					
		PURCHASE ORDER					
COMPANY NAME	HRL COMPLIANCE SOLUTIONS Inc.	BILL TO COMPANY	Williams Production RMT				
SEND REPORT TO	KRIS ROWE	INVOICE ATTN TO	Karolina Blaney				
ADDRESS	744 HORIZON CT SUITE 140	ADDRESS	1058 Country Road 215				
CITY / STATE / ZIP	GRAND JUNCTION CO 81506	CITY / STATE / ZIP	Parachute CO 81635				
PHONE	970-243-3271	PHONE	970-683-2295				
FAX	970-243-3280	FAX	970-285-9573				
E-MAIL	KROWE@HRLCOMP.COM	E-MAIL	karolina.blaney@williams.com				

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	Arsenic	SAR / EC / pH
01	BKGD 1	SO	2/4/2011	14:00	1			X	
02	BKGD 2	SO	2/4/2011	14:05	1			X	
03	BKGD 3	SO	2/4/2011	14:10	1			X	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:	QC PACKAGE (check below)	
5.8 'c		LEVEL II (Standard QC)
		LEVEL III (Std QC + forms)
		LEVEL IV (Std QC + forms + raw data)

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

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY		Reed Wold	2/4/2011	17:00
RECEIVED BY		Diane F. Shaw	2/7/11	1030
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **HRL** Date/Time Received: **07-Feb-11 10:30**

Work Order: **1102123** Received by: **DS**

Checklist completed by Diane Shaw (eSignature) 07-Feb-11 (Date) Reviewed by: Ann Preston (eSignature) 08-Feb-11 (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):	5.8 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:

SDR

FedEx® Saturday Delivery

151967 REV 10/04 MWI

FedEx® US Airbill Express

FedEx Tracking Number 8746 3271 8224

0200 Form ID No.

FedEx Retrieval Copy

1 From

Date 2/4/2011 Sender's FedEx Account Number

Sender's Name Reed Wold Phone 970 243 3321

Company HRL Compliance Solutions Inc.

Address 744 Horizon Ct 140 Dept./Floor/Suite/Room

City Grand Junction State CO ZIP 81635

2 Your Internal Billing Reference

3 To

Recipient's Name Sample Receiving Phone 616 399-6070

Company ALS Group

Address 3352 128th AVE Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.

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

City Holland State MI ZIP 49424

HOLD Weekday 01 ☐ FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday 31 ☐ FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

8746 3271 8224

4a Express Package Service * To most locations. *Packages up to 150 lbs.*

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

05 ☐ FedEx Standard Overnight — Next 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 ** To most locations. *Packages over 150 lbs.*

70 ☐ FedEx 1Day Freight — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected. FedEx 1Day Freight Booking No.

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

83 ☐ FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

06 ☐ FedEx Envelope* 02 ☐ FedEx Pak* Includes FedEx Small Pak and FedEx Large Pak. 03 ☐ FedEx Box 04 ☐ FedEx Tube 01 ☒ Other

6 Special Handling and Delivery Signature Options

03 ☒ **SATURDAY DELIVERY**

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

10 ☐ 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. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods? One box must be checked.

☒ No 04 ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. 06 ☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ 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. in Section 1 will be billed. 2 ☒ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. ☐

[redacted]

Total Packages 1 Total Weight 18 lbs. Credit Card Auth.

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

606

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