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): Pit Closure

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

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

API Number: N/A
County: Garfield
Facility Name: Shell TR 11-6-697
Facility Number: 278657
Well Name: Shell TR 11-6-697
Well Number: N/A
Location: (QtrQtr, Sec, Twp, Rng, Meridian): NWNW, Section 6, T6S, R97W, 6th PM Latitude: 39.560416 Longitude: -108.267972

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 Crop Land

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Parachute-Irigul complex, 5-30% slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Pearl Creek lies approximately 1136 ft to the west, and Crystal Creek lies approximately 1490 ft to the east.

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 Completion Report	Visual observations, field screening, and analytical analysis
☐ Vegetation	Remediation # 5864	
☐ Groundwater		
☐ Surface Water		

REMEDIATION WORKPLAN

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

See Attached Notice of Completion Report, Remediation # 5864

Describe how source is to be removed:

See Attached Notice of Completion Report, Remediation # 5864

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 Notice of Completion Report, Remediation # 5864

Submit Page 2 with Page 1

FORM 27 Rev 6/99

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 Notice of Completion Report, Remediation # 5864

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 Notice of Completion Report, Remediation # 5864

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 Notice of Completion Report, Remediation # 5864

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

See Attached Notice of Completion Report, Remediation # 5864

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: June 8, 2011	Date Site Investigation Completed: June 8, 2011	Date Remediation Plan Submitted: May 27, 2011
Remediation Start Date: June 8, 2011	Anticipated Completion Date: July 9,2011	Actual Completion Date: July 9, 2011

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: 9/1/2011

OGCC Approved: _____ Title: FOR Chris Canfield Date: 09/21/2011

EPS NW Region

COA: Arsenic concentrations in the pit are slightly above Background + 10%. During backfill, cover w/3' of clean material.

WILLIAMS PRODUCTION RMT COMPANY

OPERATOR # 96850

TRAIL RIDGE FIELD

SHELL TR 11-6-697

NOTICE OF COMPLETION REPORT FOR REMEDIATION # 5864

August 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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Introduction

The purpose of this Notice of Completion report – for the closure of the Williams TR 11-6-697 production pit (COGCC API Number 05-045-10916; hereinafter also referred to as TR 11-6-697) – is to provide detailed information and findings analysis for the previously submitted and approved (remediation number 5864) 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, COGCC document number 2214575, was delivered via electronic email on May 27, 2011. 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 17, 2011; at which time the aforementioned remediation number was issued. Closure activities began in June 8, 2011 and were concluded on July 9, 2011. Information in this report includes, but is not limited to: field screening results; laboratory analytical; subliner soil remediation; liner recycling; and bioremediation of the excavated impacted soils.

Evacuation of Pit Contents

The pit contents were removed from the pit using hydro-vac trucks and all free liquids were removed via filter press. The solids collected were placed in a lined bermed containment.

The filter press sludg placed into the aforementioned lined bermed containment cell was profiled for disposal/characterization purposes, and transported to ECDC Environmental for disposal in July, 2011.

Background Sampling

Three background sample analytical results were used from the immediate adjacent pad consisting of the same soil type from a previous sampling event. Samples were collected from the up-gradient undisturbed hillsides 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 4 in the summary table and Appendix 3 for background sampling results.

Pit Liner Investigation and Integrity Assessment

The pit liner system consisted of two layers of poly synthetic material/liner and one layer of felt. A small rip located around the dump line was observed in the primary liner during a liner investigation conducted on June 8, 2011. The rip was located in the southeast corner of the pit,

and extended approximately 6 inches long and approximately 3 inches wide. A patch was once present where the dump line and liner intersect, over the course of time, weathering caused the patch to degrade and eventually tear. The presences of water still remaining within the pit, above the liner, made the liner investigation of the bottom section inaccessible.

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, placed into the containment cell, and allowed to dry. Liners were stored in a lined bermed containment until being banded to pallets to be recycled. During the liner removal, the bottom section of the liner was accessible for inspection and revealed no signs of tears or holes.

Subliner Soil Investigation and Activities

Subliner soils below the pit liner, were inspected visually and through the use of specialized field screening equipment (specifically below) 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 below the second lining system on the eastern half of the pit floor and the eastern & southern pit walls were stained black and contained a moderate hydrocarbon odor, indicating that there may have been impacts to the subliner soils.

Field screening of the pit footprint and walls was performed along the entire pit footprint in a sectional grid pattern. The pit bottom was separated into two sections and a five point composite sample was collected from each of the half sections, with a depth of 0-6 inches below the surface. The composite sample was analyzed utilizing a PetroFlag hydrocarbon detector. In addition to the bottom, a five point composite sample was collected from each of the pit walls and field screened for hydrocarbons. Grab samples were collected from each section to provide laboratory confirmation of field screen results.

Figure 1 outlines the pit sampling nomenclature and field screening results using a PetroFlag Hydrocarbon Unit (PetroFlag©). 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 Results and Pit Sampling ID Layout

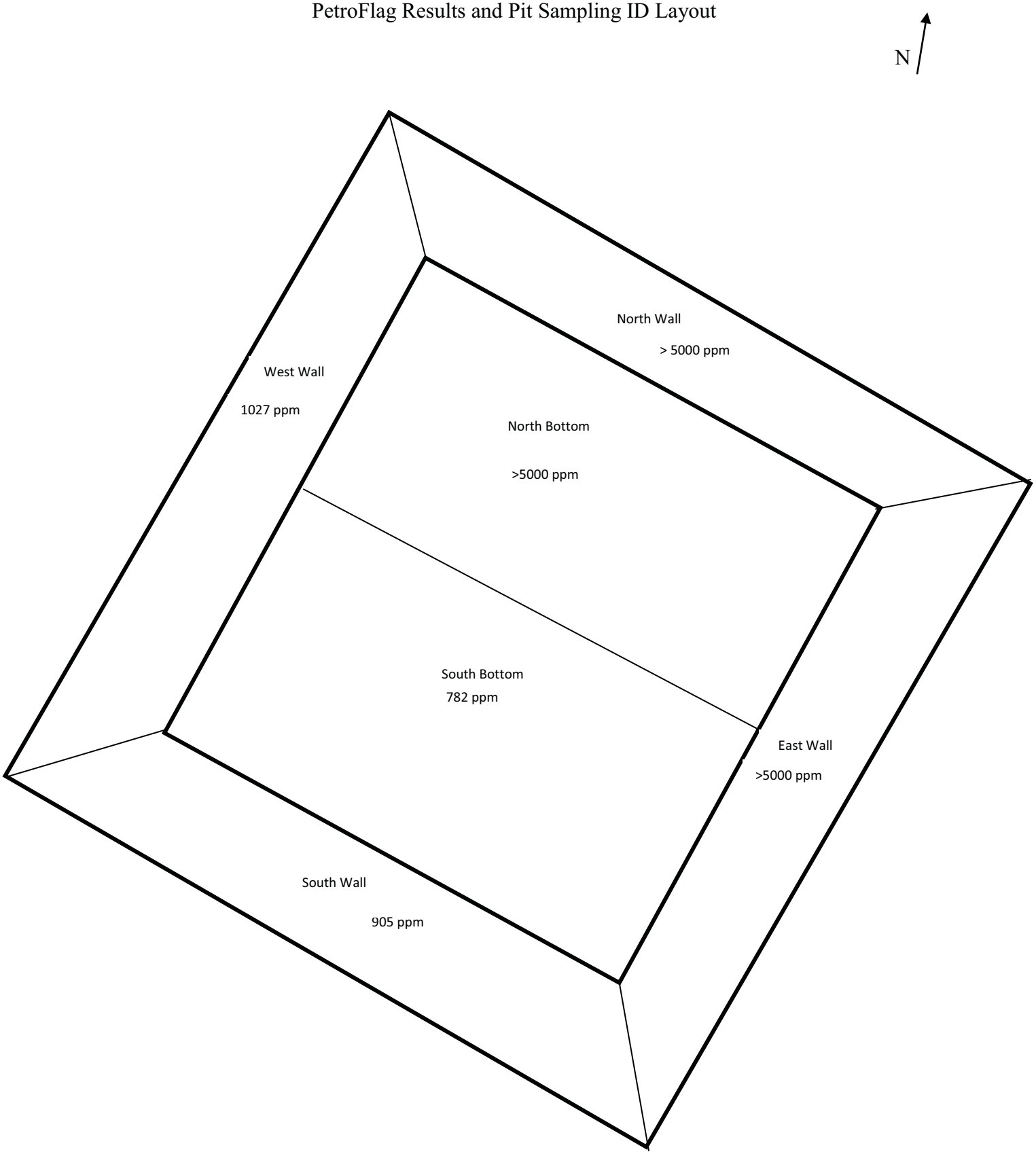

Table 1: PetroFlag Hydrocarbon Initial Field Screening Results

Sample ID	Results mg/kg
North Wall	>5000
East Wall	>5000
South Wall	905
West Wall	1027
South Bottom	782
North Bottom	>5000

Note: All results are in mg/kg
Highlighted numbers indicate areas that warranted additional inspection and analysis

Figure 2

GIS Map of Sampling Locations

Field screening results are provided in Table 1 and indicated that remediation was necessary due to the anticipation that TPH concentrations would be above COGCC Table 910-1 standards.

Remediation Activities

Soil exhibiting dark stains and a hydrocarbon odor were located on the pit bottom and adjacent walls indicating the potential presence of hydrocarbon concentrations exceeding 500 ppm and thus required remediation. The pit footprint was initially excavated to a depth approximately 2 feet in areas containing a potential hydrocarbon concentration above 500 ppm. Discoloration within soil was no longer present at the excavated depth and field screening results indicated that hydrocarbon concentrations were below 500 ppm on the entire pit except for the northern pit bottom and walls, which field screening results indicated that soil still exceed 500 ppm. An additional two feet was excavated from the northern pit walls and bottom. Field screening at this depth indicated that soil is below COGCC Table 910-1 for hydrocarbons within soil. Confirmation samples were collected and analyzed for COGCC Table 910-1.

- Confirmation samples, in accordance with Rule 905.b.(4), were collected from the sides walls at a position that was centered vertically and horizontally. These samples were collected for confirmation of compliance with COGCC Rule 910 and Table 910-1; as well as verification of field screening analysis. Two (2) additional grab samples were collected from the base of the pit, dividing the bottom of the pit into halves, which included the low point of the base, to demonstrate compliance in accordance with Rule 905.b.(1).
- A Trimble Geo XT 2008 was used to satisfy requirements outlined in COGCC Rule 215 for collecting GPS locations of each confirmation sample location from the pit walls and pit footprint.
- Visual inspection of the pit bottoms, field screening techniques, and sampling procedures were followed in accordance with Williams Highlands Pit Closure Plan (COGCC document #01175818).

Analytical data presented in Table 2 provides results for the confirmation sampling performed post excavation of the pit footprint (raw analytical results are available for review in Appendix 1 of this report).

Sample Analysis

See attached Table 2 (additional detail provided in Appendix 1) for summary of pit footprint raw analytical results, and Table 3 (additional detail provided in Appendix 2) for background analytical results.

Management of Stockpiled Material

The pit liner was segregated according to material type 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 and bound them to pallets for transportation to be recycled.

Excavated soils from within the pit was placed in treatment cells, no thicker than 18" and treated on site with bioremediation product.

Backfill Material

The backfill material utilized was from the stockpiled soil present on the east side of the pad from the initial construction of the pit.

- 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). 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 post excavated pit bottom and wall raw analytical data, Appendix 2 for additional excavation performed on the north pit bottom confirmation analytical data, and Appendix 3 for background analytical data.

Figures

Figure 3

Visual Representation of the Pit Facing East During Remediation

Summary Tables

Table 2: Post Excavation Pit Footprint Analytical Results

Post Excavation of Pit Walls and Bottom	North Bottom	East Wall	South Bottom	South Wall	West Wall	North Wall
TEPH (DRO)	44	53	17	7.7	16	23
TVPH (GRO)	ND	ND	ND	ND	ND	ND
BENZENE	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND
XYLENE TOTAL	.200	ND	ND	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
NAPHTHALENE	ND	ND	ND	ND	ND	ND
PYRENE	ND	ND	ND	ND	ND	ND
ARSENIC	11	8.7	5.4	9.6	8.0	13
BARIUM	670	540	860	540	630	760
CADMIUM	0.51	0.45	0.52	ND	0.40	0.40
CHROMIUM	26	25	13	25	27	26
CHROMIUM (III)	27	26	13	25	26	25
CHROMIUM (IV)	ND	ND	ND	ND	ND	ND
COPPER	24	27	17	23	22	24
LEAD	18	16	12	21	20	21
NICKEL	19	18	11	21	18	19
SELENIUM	1.2	1.2	1.0	1.2	1.5	1.4
SILVER	ND	ND	ND	ND	ND	ND
ZINC	70	61	49	63	59	69
Sodium Absorbtion Ratio (unitless)	6.1	2.5	52.5	6.0	7.1	16.6
Electric Conductivity (mmho/cm)	0.42	0.44	5.39	0.21	0.40	9.03
pH (unitless)	8.60	8.49	8.46	8.73	8.88	8.33

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

Table 3: Background Analytical Data

	Arsenic	Sodium Adsorption Ratio (unitless)	Electrical Conductivity (mmhos/cm)	pH (unitless)
BKGD 1	5.8	0.6	0.27	7.29
BKGD 2	7.6	N/A	N/A	N/A
BKGD 3	6.3	N/A	N/A	N/A

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

Appendix 1: Pit Footprint Confirmation Raw Analytical Data

29-Jul-2011

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

Re: **Williams TR 11-6-697 Pad LOE 7/15/11** Work Order: **1107568**

Dear Mark,

ALS Environmental received 6 samples on 22-Jul-2011 10:55 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 41.

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: 29-Jul-11

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11
Work Order: **1107568**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1107568-01	N. Bottom	Soil		7/15/2011 14:40	7/22/2011 10:55	☐
1107568-02	E. Wall	Soil		7/15/2011 14:25	7/22/2011 10:55	☐
1107568-03	S. Bottom	Soil		7/15/2011 14:45	7/22/2011 10:55	☐
1107568-04	S. Wall	Soil		7/15/2011 14:30	7/22/2011 10:55	☐
1107568-05	N. Wall	Soil		7/15/2011 14:20	7/22/2011 10:55	☐
1107568-06	W. Wall	Soil		7/15/2011 14:35	7/22/2011 10:55	☐

ALS Group USA, Corp

Date: 29-Jul-11

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11
Work Order: 1107568

Case Narrative

The samples for pH were received after the hold time had expired.

Batch 34521 MS/MSD data for Metals is not related to this project's samples.

Batch 34543 MS/MSD data for Hexavalent Chromium is not related to this project's samples.

ALS Group USA, Corp

Date: 29-Jul-11

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11
WorkOrder: **1107568**

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
µg/Kg-dry	Micrograms per Kilogram Dry Weight
as noted	
mg/Kg-dry	Milligrams per Kilogram Dry Weight
s.u.	Standard Units

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: N. Bottom **Lab ID:** 1107568-01
Collection Date: 7/15/2011 02:40 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **7/25/2011**	Analyst: **RM**
DRO (C10-C28)	**44**		**5.3**	**mg/Kg-dry**	1	7/26/2011 05:29 PM
Surr: 4-Terphenyl-d14	*83.3*		*39-115*	*%REC*	1	7/26/2011 05:29 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**			Analyst: **RM**
GRO (C6-C10)	ND		3.2	mg/Kg-dry	50	7/27/2011 04:09 AM
Surr: Toluene-d8	*107*		*50-150*	*%REC*	50	7/27/2011 04:09 AM
MERCURY BY CVAA			**SW7471**		Prep Date: **7/26/2011**	Analyst: **LR**
Mercury	**0.059**		**0.023**	**mg/Kg-dry**	1	7/26/2011 02:34 PM
METALS BY ICP-MS			**SW6020A**		Prep Date: **7/25/2011**	Analyst: **CES**
Arsenic	**11**		**0.98**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
Barium	**670**		**9.8**	**mg/Kg-dry**	20	7/26/2011 01:48 PM
Cadmium	**0.51**		**0.39**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
Chromium	**26**		**0.98**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
Copper	**24**		**0.98**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
Lead	**18**		**0.98**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
Nickel	**19**		**0.98**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
Selenium	**1.2**		**0.98**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
Silver	ND		0.98	mg/Kg-dry	2	7/25/2011 09:12 PM
Zinc	**70**		**2.0**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**See report**			**as noted**	1	7/28/2011
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep Date: **7/25/2011**	Analyst: **HL**
Acenaphthene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Anthracene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Benzo(a)anthracene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Benzo(a)pyrene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Benzo(b)fluoranthene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Benzo(g,h,i)perylene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Benzo(k)fluoranthene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Chrysene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Dibenzo(a,h)anthracene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Fluoranthene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Fluorene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Indeno(1,2,3-cd)pyrene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Naphthalene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Pyrene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Surr: 2,4,6-Tribromophenol	*72.3*		*34-140*	*%REC*	1	7/27/2011 03:37 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: N. Bottom **Lab ID:** 1107568-01
Collection Date: 7/15/2011 02:40 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	*50.1*		*12-100*	*%REC*	1	7/27/2011 03:37 AM
Surr: 2-Fluorophenol	*56.0*		*33-117*	*%REC*	1	7/27/2011 03:37 AM
Surr: 4-Terphenyl-d14	*63.8*		*25-137*	*%REC*	1	7/27/2011 03:37 AM
Surr: Nitrobenzene-d5	*51.3*		*37-107*	*%REC*	1	7/27/2011 03:37 AM
Surr: Phenol-d6	*57.6*		*40-106*	*%REC*	1	7/27/2011 03:37 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260**		Prep Date: **7/25/2011**	Analyst: **BG**
Benzene	ND		60	µg/Kg-dry	1	7/27/2011 04:23 AM
Ethylbenzene	ND		60	µg/Kg-dry	1	7/27/2011 04:23 AM
m,p-Xylene	**200**		**120**	**µg/Kg-dry**	1	7/27/2011 04:23 AM
o-Xylene	ND		60	µg/Kg-dry	1	7/27/2011 04:23 AM
Toluene	ND		60	µg/Kg-dry	1	7/27/2011 04:23 AM
Xylenes, Total	**200**		**180**	**µg/Kg-dry**	1	7/27/2011 04:23 AM
Surr: 1,2-Dichloroethane-d4	*103*		*70-120*	*%REC*	1	7/27/2011 04:23 AM
Surr: 4-Bromofluorobenzene	*98.3*		*75-120*	*%REC*	1	7/27/2011 04:23 AM
Surr: Dibromofluoromethane	*95.4*		*85-115*	*%REC*	1	7/27/2011 04:23 AM
Surr: Toluene-d8	*99.6*		*85-120*	*%REC*	1	7/27/2011 04:23 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**27**			**mg/L-dry**	1	7/28/2011 08:08 AM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep Date: **7/25/2011**	Analyst: **MB**
Chromium, Hexavalent	ND		0.63	mg/Kg-dry	1	7/27/2011 03:00 PM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**22**		**0.050**	**% of sample**	1	7/22/2011 01:45 PM
PH			**SW9045D**			Analyst: **KV**
pH	**8.60**	H		**s.u.**	1	7/22/2011 09:00 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: E. Wall **Lab ID:** 1107568-02
Collection Date: 7/15/2011 02:25 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **7/25/2011**	Analyst: **RM**
DRO (C10-C28)	**53**		**5.2**	**mg/Kg-dry**	1	7/26/2011 05:29 PM
Surr: 4-Terphenyl-d14	*85.6*		*39-115*	*%REC*	1	7/26/2011 05:29 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**			Analyst: **RM**
GRO (C6-C10)	ND		3.2	mg/Kg-dry	50	7/27/2011 02:22 PM
Surr: Toluene-d8	*111*		*50-150*	*%REC*	50	7/27/2011 02:22 PM
MERCURY BY CVAA			**SW7471**		Prep Date: **7/26/2011**	Analyst: **LR**
Mercury	**0.066**		**0.022**	**mg/Kg-dry**	1	7/26/2011 02:36 PM
METALS BY ICP-MS			**SW6020A**		Prep Date: **7/25/2011**	Analyst: **CES**
Arsenic	**8.7**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
Barium	**540**		**10**	**mg/Kg-dry**	20	7/26/2011 01:54 PM
Cadmium	**0.45**		**0.40**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
Chromium	**25**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
Copper	**27**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
Lead	**16**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
Nickel	**18**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
Selenium	**1.2**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
Silver	ND		1.0	mg/Kg-dry	2	7/25/2011 09:18 PM
Zinc	**61**		**2.0**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**See report**			**as noted**	1	7/28/2011
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep Date: **7/25/2011**	Analyst: **HL**
Acenaphthene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Anthracene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Benzo(a)anthracene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Benzo(a)pyrene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Benzo(b)fluoranthene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Benzo(g,h,i)perylene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Benzo(k)fluoranthene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Chrysene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Dibenzo(a,h)anthracene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Fluoranthene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Fluorene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Indeno(1,2,3-cd)pyrene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Naphthalene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Pyrene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Surr: 2,4,6-Tribromophenol	*72.1*		*34-140*	*%REC*	1	7/27/2011 01:26 AM

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

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: E. Wall **Lab ID:** 1107568-02
Collection Date: 7/15/2011 02:25 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	*56.3*		*12-100*	*%REC*	1	7/27/2011 01:26 AM
Surr: 2-Fluorophenol	*65.7*		*33-117*	*%REC*	1	7/27/2011 01:26 AM
Surr: 4-Terphenyl-d14	*67.3*		*25-137*	*%REC*	1	7/27/2011 01:26 AM
Surr: Nitrobenzene-d5	*60.2*		*37-107*	*%REC*	1	7/27/2011 01:26 AM
Surr: Phenol-d6	*65.8*		*40-106*	*%REC*	1	7/27/2011 01:26 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260**		Prep Date: **7/25/2011**	Analyst: **BG**
Benzene	ND		60	µg/Kg-dry	1	7/27/2011 04:48 AM
Ethylbenzene	ND		60	µg/Kg-dry	1	7/27/2011 04:48 AM
m,p-Xylene	ND		120	µg/Kg-dry	1	7/27/2011 04:48 AM
o-Xylene	ND		60	µg/Kg-dry	1	7/27/2011 04:48 AM
Toluene	ND		60	µg/Kg-dry	1	7/27/2011 04:48 AM
Xylenes, Total	ND		180	µg/Kg-dry	1	7/27/2011 04:48 AM
Surr: 1,2-Dichloroethane-d4	*103*		*70-120*	*%REC*	1	7/27/2011 04:48 AM
Surr: 4-Bromofluorobenzene	*97.4*		*75-120*	*%REC*	1	7/27/2011 04:48 AM
Surr: Dibromofluoromethane	*95.0*		*85-115*	*%REC*	1	7/27/2011 04:48 AM
Surr: Toluene-d8	*99.2*		*85-120*	*%REC*	1	7/27/2011 04:48 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**26**			**mg/L-dry**	1	7/28/2011 08:08 AM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep Date: **7/25/2011**	Analyst: **MB**
Chromium, Hexavalent	ND		0.63	mg/Kg-dry	1	7/27/2011 03:00 PM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**22**		**0.050**	**% of sample**	1	7/22/2011 01:45 PM
PH			**SW9045D**			Analyst: **KV**
pH	**8.49**	H		**s.u.**	1	7/22/2011 09:00 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: S. Bottom **Lab ID:** 1107568-03
Collection Date: 7/15/2011 02:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **7/25/2011**	Analyst: **RM**
DRO (C10-C28)	**17**		**5.5**	**mg/Kg-dry**	1	7/26/2011 05:52 PM
Surr: 4-Terphenyl-d14	*55.3*		*39-115*	*%REC*	1	7/26/2011 05:52 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**			Analyst: **RM**
GRO (C6-C10)	ND		3.4	mg/Kg-dry	50	7/27/2011 02:48 PM
Surr: Toluene-d8	*108*		*50-150*	*%REC*	50	7/27/2011 02:48 PM
MERCURY BY CVAA			**SW7471**		Prep Date: **7/26/2011**	Analyst: **LR**
Mercury	**0.039**		**0.025**	**mg/Kg-dry**	1	7/26/2011 02:42 PM
METALS BY ICP-MS			**SW6020A**		Prep Date: **7/25/2011**	Analyst: **CES**
Arsenic	**5.4**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
Barium	**860**		**10**	**mg/Kg-dry**	20	7/26/2011 02:24 PM
Cadmium	**0.52**		**0.40**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
Chromium	**13**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
Copper	**17**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
Lead	**12**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
Nickel	**11**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
Selenium	**1.0**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
Silver	ND		1.0	mg/Kg-dry	2	7/25/2011 09:24 PM
Zinc	**49**		**2.0**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**See report**			**as noted**	1	7/28/2011
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep Date: **7/25/2011**	Analyst: **HL**
Acenaphthene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Anthracene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Benzo(a)anthracene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Benzo(a)pyrene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Benzo(b)fluoranthene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Benzo(g,h,i)perylene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Benzo(k)fluoranthene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Chrysene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Dibenzo(a,h)anthracene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Fluoranthene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Fluorene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Indeno(1,2,3-cd)pyrene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Naphthalene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Pyrene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Surr: 2,4,6-Tribromophenol	*65.4*		*34-140*	*%REC*	1	7/27/2011 01:52 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: S. Bottom **Lab ID:** 1107568-03
Collection Date: 7/15/2011 02:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	*49.9*		*12-100*	*%REC*	1	7/27/2011 01:52 AM
Surr: 2-Fluorophenol	*65.9*		*33-117*	*%REC*	1	7/27/2011 01:52 AM
Surr: 4-Terphenyl-d14	*57.8*		*25-137*	*%REC*	1	7/27/2011 01:52 AM
Surr: Nitrobenzene-d5	*60.6*		*37-107*	*%REC*	1	7/27/2011 01:52 AM
Surr: Phenol-d6	*66.4*		*40-106*	*%REC*	1	7/27/2011 01:52 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260**		Prep Date: **7/25/2011**	Analyst: **BG**
Benzene	ND		69	µg/Kg-dry	1	7/27/2011 05:13 AM
Ethylbenzene	ND		69	µg/Kg-dry	1	7/27/2011 05:13 AM
m,p-Xylene	ND		140	µg/Kg-dry	1	7/27/2011 05:13 AM
o-Xylene	ND		69	µg/Kg-dry	1	7/27/2011 05:13 AM
Toluene	ND		69	µg/Kg-dry	1	7/27/2011 05:13 AM
Xylenes, Total	ND		210	µg/Kg-dry	1	7/27/2011 05:13 AM
Surr: 1,2-Dichloroethane-d4	*102*		*70-120*	*%REC*	1	7/27/2011 05:13 AM
Surr: 4-Bromofluorobenzene	*98.8*		*75-120*	*%REC*	1	7/27/2011 05:13 AM
Surr: Dibromofluoromethane	*94.0*		*85-115*	*%REC*	1	7/27/2011 05:13 AM
Surr: Toluene-d8	*100*		*85-120*	*%REC*	1	7/27/2011 05:13 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**13**			**mg/L-dry**	1	7/28/2011 08:08 AM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep Date: **7/25/2011**	Analyst: **MB**
Chromium, Hexavalent	ND		0.67	mg/Kg-dry	1	7/27/2011 03:00 PM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**26**		**0.050**	**% of sample**	1	7/22/2011 01:45 PM
PH			**SW9045D**			Analyst: **KV**
pH	**8.46**	H		**s.u.**	1	7/22/2011 09:00 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: S. Wall **Lab ID:** 1107568-04
Collection Date: 7/15/2011 02:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **7/25/2011**	Analyst: **RM**
DRO (C10-C28)	**7.7**		**5.1**	**mg/Kg-dry**	1	7/26/2011 05:52 PM
Surr: 4-Terphenyl-d14	*80.1*		*39-115*	*%REC*	1	7/26/2011 05:52 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**			Analyst: **RM**
GRO (C6-C10)	ND		3.1	mg/Kg-dry	50	7/27/2011 03:14 PM
Surr: Toluene-d8	*108*		*50-150*	*%REC*	50	7/27/2011 03:14 PM
MERCURY BY CVAA			**SW7471**		Prep Date: **7/26/2011**	Analyst: **LR**
Mercury	**0.039**		**0.021**	**mg/Kg-dry**	1	7/26/2011 02:55 PM
METALS BY ICP-MS			**SW6020A**		Prep Date: **7/25/2011**	Analyst: **CES**
Arsenic	**9.6**		**0.92**	**mg/Kg-dry**	2	7/25/2011 09:54 PM
Barium	**540**		**9.2**	**mg/Kg-dry**	20	7/26/2011 02:30 PM
Cadmium	ND		0.37	mg/Kg-dry	2	7/25/2011 09:54 PM
Chromium	**25**		**0.92**	**mg/Kg-dry**	2	7/25/2011 09:54 PM
Copper	**23**		**0.92**	**mg/Kg-dry**	2	7/25/2011 09:54 PM
Lead	**21**		**9.2**	**mg/Kg-dry**	20	7/26/2011 02:30 PM
Nickel	**21**		**0.92**	**mg/Kg-dry**	2	7/25/2011 09:54 PM
Selenium	**1.1**		**0.92**	**mg/Kg-dry**	2	7/25/2011 09:54 PM
Silver	ND		0.92	mg/Kg-dry	2	7/25/2011 09:54 PM
Zinc	**63**		**1.8**	**mg/Kg-dry**	2	7/25/2011 09:54 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**See report**			**as noted**	1	7/28/2011
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep Date: **7/25/2011**	Analyst: **HL**
Acenaphthene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Anthracene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Benzo(a)anthracene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Benzo(a)pyrene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Benzo(b)fluoranthene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Benzo(g,h,i)perylene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Benzo(k)fluoranthene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Chrysene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Dibenzo(a,h)anthracene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Fluoranthene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Fluorene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Indeno(1,2,3-cd)pyrene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Naphthalene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Pyrene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Surr: 2,4,6-Tribromophenol	*63.0*		*34-140*	*%REC*	1	7/27/2011 02:18 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: S. Wall **Lab ID:** 1107568-04
Collection Date: 7/15/2011 02:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	*48.1*		*12-100*	*%REC*	1	7/27/2011 02:18 AM
Surr: 2-Fluorophenol	*59.5*		*33-117*	*%REC*	1	7/27/2011 02:18 AM
Surr: 4-Terphenyl-d14	*61.4*		*25-137*	*%REC*	1	7/27/2011 02:18 AM
Surr: Nitrobenzene-d5	*52.3*		*37-107*	*%REC*	1	7/27/2011 02:18 AM
Surr: Phenol-d6	*59.8*		*40-106*	*%REC*	1	7/27/2011 02:18 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260**		Prep Date: **7/25/2011**	Analyst: **BG**
Benzene	ND		57	µg/Kg-dry	1	7/27/2011 05:38 AM
Ethylbenzene	ND		57	µg/Kg-dry	1	7/27/2011 05:38 AM
m,p-Xylene	ND		110	µg/Kg-dry	1	7/27/2011 05:38 AM
o-Xylene	ND		57	µg/Kg-dry	1	7/27/2011 05:38 AM
Toluene	ND		57	µg/Kg-dry	1	7/27/2011 05:38 AM
Xylenes, Total	ND		170	µg/Kg-dry	1	7/27/2011 05:38 AM
Surr: 1,2-Dichloroethane-d4	*102*		*70-120*	*%REC*	1	7/27/2011 05:38 AM
Surr: 4-Bromofluorobenzene	*96.7*		*75-120*	*%REC*	1	7/27/2011 05:38 AM
Surr: Dibromofluoromethane	*93.5*		*85-115*	*%REC*	1	7/27/2011 05:38 AM
Surr: Toluene-d8	*100*		*85-120*	*%REC*	1	7/27/2011 05:38 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**25**			**mg/L-dry**	1	7/28/2011 08:08 AM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep Date: **7/25/2011**	Analyst: **MB**
Chromium, Hexavalent	ND		0.61	mg/Kg-dry	1	7/27/2011 03:00 PM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**20**		**0.050**	**% of sample**	1	7/22/2011 01:45 PM
PH			**SW9045D**			Analyst: **KV**
pH	**8.73**	H		**s.u.**	1	7/22/2011 09:00 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: N. Wall **Lab ID:** 1107568-05
Collection Date: 7/15/2011 02:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **7/25/2011**	Analyst: **RM**
DRO (C10-C28)	**23**		**5.3**	**mg/Kg-dry**	1	7/26/2011 06:15 PM
Surr: 4-Terphenyl-d14	*88.7*		*39-115*	*%REC*	1	7/26/2011 06:15 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**			Analyst: **RM**
GRO (C6-C10)	ND		3.2	mg/Kg-dry	50	7/27/2011 03:40 PM
Surr: Toluene-d8	*110*		*50-150*	*%REC*	50	7/27/2011 03:40 PM
MERCURY BY CVAA			**SW7471**		Prep Date: **7/26/2011**	Analyst: **LR**
Mercury	**0.041**		**0.022**	**mg/Kg-dry**	1	7/26/2011 03:02 PM
METALS BY ICP-MS			**SW6020A**		Prep Date: **7/25/2011**	Analyst: **CES**
Arsenic	**13**		**0.94**	**mg/Kg-dry**	2	7/25/2011 10:00 PM
Barium	**760**		**9.4**	**mg/Kg-dry**	20	7/26/2011 02:36 PM
Cadmium	**0.40**		**0.38**	**mg/Kg-dry**	2	7/25/2011 10:00 PM
Chromium	**26**		**0.94**	**mg/Kg-dry**	2	7/25/2011 10:00 PM
Copper	**24**		**0.94**	**mg/Kg-dry**	2	7/25/2011 10:00 PM
Lead	**21**		**9.4**	**mg/Kg-dry**	20	7/26/2011 02:36 PM
Nickel	**19**		**0.94**	**mg/Kg-dry**	2	7/25/2011 10:00 PM
Selenium	**1.4**		**0.94**	**mg/Kg-dry**	2	7/25/2011 10:00 PM
Silver	ND		0.94	mg/Kg-dry	2	7/25/2011 10:00 PM
Zinc	**69**		**1.9**	**mg/Kg-dry**	2	7/25/2011 10:00 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**See report**			**as noted**	1	7/28/2011
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep Date: **7/25/2011**	Analyst: **HL**
Acenaphthene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Anthracene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Benzo(a)anthracene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Benzo(a)pyrene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Benzo(b)fluoranthene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Benzo(g,h,i)perylene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Benzo(k)fluoranthene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Chrysene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Dibenzo(a,h)anthracene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Fluoranthene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Fluorene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Indeno(1,2,3-cd)pyrene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Naphthalene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Pyrene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Surr: 2,4,6-Tribromophenol	*69.8*		*34-140*	*%REC*	1	7/27/2011 02:45 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: N. Wall **Lab ID:** 1107568-05
Collection Date: 7/15/2011 02:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	*57.8*		*12-100*	*%REC*	1	7/27/2011 02:45 AM
Surr: 2-Fluorophenol	*66.8*		*33-117*	*%REC*	1	7/27/2011 02:45 AM
Surr: 4-Terphenyl-d14	*66.9*		*25-137*	*%REC*	1	7/27/2011 02:45 AM
Surr: Nitrobenzene-d5	*60.5*		*37-107*	*%REC*	1	7/27/2011 02:45 AM
Surr: Phenol-d6	*68.0*		*40-106*	*%REC*	1	7/27/2011 02:45 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260**		Prep Date: **7/25/2011**	Analyst: **BG**
Benzene	ND		59	µg/Kg-dry	1	7/27/2011 06:03 AM
Ethylbenzene	ND		59	µg/Kg-dry	1	7/27/2011 06:03 AM
m,p-Xylene	ND		120	µg/Kg-dry	1	7/27/2011 06:03 AM
o-Xylene	ND		59	µg/Kg-dry	1	7/27/2011 06:03 AM
Toluene	ND		59	µg/Kg-dry	1	7/27/2011 06:03 AM
Xylenes, Total	ND		180	µg/Kg-dry	1	7/27/2011 06:03 AM
Surr: 1,2-Dichloroethane-d4	*101*		*70-120*	*%REC*	1	7/27/2011 06:03 AM
Surr: 4-Bromofluorobenzene	*96.6*		*75-120*	*%REC*	1	7/27/2011 06:03 AM
Surr: Dibromofluoromethane	*93.5*		*85-115*	*%REC*	1	7/27/2011 06:03 AM
Surr: Toluene-d8	*99.0*		*85-120*	*%REC*	1	7/27/2011 06:03 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**25**			**mg/L-dry**	1	7/28/2011 08:08 AM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep Date: **7/25/2011**	Analyst: **MB**
Chromium, Hexavalent	ND		0.63	mg/Kg-dry	1	7/27/2011 03:00 PM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**21**		**0.050**	**% of sample**	1	7/22/2011 01:45 PM
PH			**SW9045D**			Analyst: **KV**
pH	**8.33**	H		**s.u.**	1	7/22/2011 09:00 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: W. Wall **Lab ID:** 1107568-06
Collection Date: 7/15/2011 02:35 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **7/25/2011**	Analyst: **RM**
DRO (C10-C28)	**16**		**5.0**	**mg/Kg-dry**	1	7/26/2011 06:15 PM
Surr: 4-Terphenyl-d14	*91.5*		*39-115*	*%REC*	1	7/26/2011 06:15 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**			Analyst: **RM**
GRO (C6-C10)	ND		3.1	mg/Kg-dry	50	7/27/2011 04:06 PM
Surr: Toluene-d8	*113*		*50-150*	*%REC*	50	7/27/2011 04:06 PM
MERCURY BY CVAA			**SW7471**		Prep Date: **7/26/2011**	Analyst: **LR**
Mercury	**0.041**		**0.020**	**mg/Kg-dry**	1	7/26/2011 03:04 PM
METALS BY ICP-MS			**SW6020A**		Prep Date: **7/25/2011**	Analyst: **CES**
Arsenic	**8.0**		**0.91**	**mg/Kg-dry**	2	7/25/2011 10:06 PM
Barium	**630**		**9.1**	**mg/Kg-dry**	20	7/26/2011 02:42 PM
Cadmium	**0.40**		**0.36**	**mg/Kg-dry**	2	7/25/2011 10:06 PM
Chromium	**27**		**0.91**	**mg/Kg-dry**	2	7/25/2011 10:06 PM
Copper	**22**		**0.91**	**mg/Kg-dry**	2	7/25/2011 10:06 PM
Lead	**20**		**9.1**	**mg/Kg-dry**	20	7/26/2011 02:42 PM
Nickel	**18**		**0.91**	**mg/Kg-dry**	2	7/25/2011 10:06 PM
Selenium	**1.2**		**0.91**	**mg/Kg-dry**	2	7/25/2011 10:06 PM
Silver	ND		0.91	mg/Kg-dry	2	7/25/2011 10:06 PM
Zinc	**59**		**1.8**	**mg/Kg-dry**	2	7/25/2011 10:06 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**See report**			**as noted**	1	7/28/2011
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep Date: **7/25/2011**	Analyst: **HL**
Acenaphthene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Anthracene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Benzo(a)anthracene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Benzo(a)pyrene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Benzo(b)fluoranthene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Benzo(g,h,i)perylene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Benzo(k)fluoranthene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Chrysene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Dibenzo(a,h)anthracene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Fluoranthene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Fluorene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Indeno(1,2,3-cd)pyrene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Naphthalene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Pyrene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Surr: 2,4,6-Tribromophenol	*67.8*		*34-140*	*%REC*	1	7/27/2011 03:11 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: W. Wall **Lab ID:** 1107568-06
Collection Date: 7/15/2011 02:35 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	*48.7*		*12-100*	*%REC*	1	7/27/2011 03:11 AM
Surr: 2-Fluorophenol	*62.8*		*33-117*	*%REC*	1	7/27/2011 03:11 AM
Surr: 4-Terphenyl-d14	*65.4*		*25-137*	*%REC*	1	7/27/2011 03:11 AM
Surr: Nitrobenzene-d5	*54.5*		*37-107*	*%REC*	1	7/27/2011 03:11 AM
Surr: Phenol-d6	*67.7*		*40-106*	*%REC*	1	7/27/2011 03:11 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260**		Prep Date: **7/25/2011**	Analyst: **BG**
Benzene	ND		56	µg/Kg-dry	1	7/27/2011 06:28 AM
Ethylbenzene	ND		56	µg/Kg-dry	1	7/27/2011 06:28 AM
m,p-Xylene	ND		110	µg/Kg-dry	1	7/27/2011 06:28 AM
o-Xylene	ND		56	µg/Kg-dry	1	7/27/2011 06:28 AM
Toluene	ND		56	µg/Kg-dry	1	7/27/2011 06:28 AM
Xylenes, Total	ND		170	µg/Kg-dry	1	7/27/2011 06:28 AM
Surr: 1,2-Dichloroethane-d4	*101*		*70-120*	*%REC*	1	7/27/2011 06:28 AM
Surr: 4-Bromofluorobenzene	*96.0*		*75-120*	*%REC*	1	7/27/2011 06:28 AM
Surr: Dibromofluoromethane	*93.2*		*85-115*	*%REC*	1	7/27/2011 06:28 AM
Surr: Toluene-d8	*99.6*		*85-120*	*%REC*	1	7/27/2011 06:28 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**26**			**mg/L-dry**	1	7/28/2011 08:08 AM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep Date: **7/25/2011**	Analyst: **MB**
Chromium, Hexavalent	ND		0.62	mg/Kg-dry	1	7/27/2011 03:00 PM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**20**		**0.050**	**% of sample**	1	7/22/2011 01:45 PM
PH			**SW9045D**			Analyst: **KV**
pH	**8.88**	H		**s.u.**	1	7/22/2011 09:00 AM

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

Report Number: F11207-0343
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: 1107568

DATE RECEIVED: 07/26/2011
DATE REPORTED: 07/28/2011
PAGE: 1
P.O. NUMBER: 20-122010445

ATTN: ANN PRESTON

REPORT OF ANALYSIS

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
37078	01C	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	0.42	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	33	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	11	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	159	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	6.1	-	USDA Handbook 60
37079	02C	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	0.44	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	43	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	14	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	74	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	2.5	-	USDA Handbook 60
37080	03C	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	5.39	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	140	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	35	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	2689	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	52.5	-	USDA Handbook 60
37081	04C	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	0.21	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	16	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	6	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	111	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	6.0	-	USDA Handbook 60

Report Number: F11207-0343
Acount Number: 91000

A & L GREAT LAKES LABORATORIES, INC.

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www.algreatlakes.com • lab@algreatlakes.com

QUALITY ANALYSES FOR INFORMED DECISIONS

TO: ALS LABORATORY GROUP
3352 128TH AVE
HOLLAND, MI 49424-9263

RE: 1107568

DATE RECEIVED: 07/26/2011
DATE REPORTED: 07/28/2011
PAGE: 2
P.O. NUMBER: 20-122010445

ATTN: ANN PRESTON

REPORT OF ANALYSIS

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
37082	05C	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	2.28	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	154	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	46	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	915	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	16.6	-	USDA Handbook 60
37083	06C	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	0.22	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	20	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	7	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	69	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	3.4	-	USDA Handbook 60

ALS Group USA, Corp

Date: 29-Jul-11

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1107568

Project: Williams TR 11-6-697 Pad LOE 7/15/11

Batch ID: **34511** Instrument ID **GC8** Method: **SW8015M**

MBLK Sample ID: **DBLKS1-34511-34511** Units: **mg/Kg** Analysis Date: **7/26/2011 12:55 PM**

Client ID: Run ID: **GC8_110726B** SeqNo: **1688521** Prep Date: **7/25/2011** 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	*1.336*	0	*1.667*	0	*80.2*	*39-115*	0			

LCS Sample ID: **DLCSS1-34511-34511** Units: **mg/Kg** Analysis Date: **7/26/2011 11:46 AM**

Client ID: Run ID: **GC8_110726B** SeqNo: **1688519** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	158.9	4.2	166.7	0	95.3	60-130	0			
Surr: 4-Terphenyl-d14	*1.241*	0	*1.667*	0	*74.4*	*39-115*	0			

LCSD Sample ID: **DLCSDS1-34511-34511** Units: **mg/Kg** Analysis Date: **7/26/2011 12:08 PM**

Client ID: Run ID: **GC8_110726B** SeqNo: **1688520** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	176.4	4.2	166.7	0	106	60-130	158.9	10.4	30	
Surr: 4-Terphenyl-d14	*1.314*	0	*1.667*	0	*78.9*	*39-115*	1.241	*5.77*	*30*	

MS Sample ID: **1107555-03B MS** Units: **mg/Kg** Analysis Date: **7/26/2011 02:25 PM**

Client ID: Run ID: **GC8_110726B** SeqNo: **1688522** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	244.5	8.2	326.5	0	74.9	60-130	0			
Surr: 4-Terphenyl-d14	*2.23*	0	*3.265*	0	*68.3*	*39-115*	0			

MSD Sample ID: **1107555-03B MSD** Units: **mg/Kg** Analysis Date: **7/26/2011 02:25 PM**

Client ID: Run ID: **GC8_110726B** SeqNo: **1688533** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	260.1	8.1	325.2	0	80	60-130	244.5	6.2	30	
Surr: 4-Terphenyl-d14	*2.354*	0	*3.252*	0	*72.4*	*39-115*	2.23	*5.41*	*30*	

The following samples were analyzed in this batch:

1107568-01A	1107568-02A	1107568-03A
1107568-04A	1107568-05A	1107568-06A

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **R92708** Instrument ID **GC9** Method: **SW8015**

MBLK Sample ID: **MBLK-R92708-R92708** Units: **µg/L** Analysis Date: **7/26/2011 08:07 PM**
Client ID: Run ID: **GC9_110726A** SeqNo: **1688586** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	ND	200								
Surr: Toluene-d8	*105.8*	0	*100*	0	*106*	*70-130*	0			

LCS Sample ID: **LCS-R92708-R92708** Units: **µg/L** Analysis Date: **7/26/2011 06:51 PM**
Client ID: Run ID: **GC9_110726A** SeqNo: **1688584** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	26280	200	25000	0	105	70-130	0			
Surr: Toluene-d8	*110.6*	0	*100*	0	*111*	*70-130*	0			

LCSD Sample ID: **LCSD-R92708-R92708** Units: **µg/L** Analysis Date: **7/26/2011 07:16 PM**
Client ID: Run ID: **GC9_110726A** SeqNo: **1688585** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	25340	200	25000	0	101	70-130	26280	3.68	30	
Surr: Toluene-d8	*107*	0	*100*	0	*107*	*70-130*	110.6	*3.26*	*30*	

MS Sample ID: **1107558-03B MS** Units: **µg/Kg** Analysis Date: **7/27/2011 05:00 AM**
Client ID: Run ID: **GC9_110726A** SeqNo: **1688605** Prep Date: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	1330000	2,500	1250000	0	106	70-130	0			
Surr: Toluene-d8	*5286*	0	*5000*	0	*106*	*50-150*	0			

MSD Sample ID: **1107558-03B MSD** Units: **µg/Kg** Analysis Date: **7/27/2011 05:25 AM**
Client ID: Run ID: **GC9_110726A** SeqNo: **1688606** Prep Date: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	1275000	2,500	1250000	0	102	70-130	1330000	4.24	30	
Surr: Toluene-d8	*5264*	0	*5000*	0	*105*	*50-150*	5286	*0.417*	*30*	

The following samples were analyzed in this batch: 1107568-01B

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **R92757** Instrument ID **GC9** Method: **SW8015**

MBLK Sample ID: **MBLK-R92757-R92757** Units: **µg/L** Analysis Date: **7/27/2011 07:32 AM**
Client ID: Run ID: **GC9_110727A** SeqNo: **1689696** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	ND	200								
Surr: Toluene-d8	*105.6*	0	*100*	0	*106*	*70-130*	0			

LCS Sample ID: **LCS-R92757-R92757** Units: **µg/L** Analysis Date: **7/27/2011 06:16 AM**
Client ID: Run ID: **GC9_110727A** SeqNo: **1689694** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	24010	200	25000	0	96	70-130	0			
Surr: Toluene-d8	*95.6*	0	*100*	0	*95.6*	*70-130*	0			

LCSD Sample ID: **LCSD-R92757-R92757** Units: **µg/L** Analysis Date: **7/27/2011 06:42 AM**
Client ID: Run ID: **GC9_110727A** SeqNo: **1689695** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	23060	200	25000	0	92.2	70-130	24010	4.06	30	
Surr: Toluene-d8	*94.25*	0	*100*	0	*94.2*	*70-130*	95.6	*1.42*	*30*	

MS Sample ID: **1107597-05A MS** Units: **µg/Kg** Analysis Date: **7/27/2011 04:32 PM**
Client ID: Run ID: **GC9_110727A** SeqNo: **1689717** Prep Date: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	1293000	2,500	1250000	0	103	70-130	0			
Surr: Toluene-d8	*5056*	0	*5000*	0	*101*	*50-150*	0			

MSD Sample ID: **1107597-05A MSD** Units: **µg/Kg** Analysis Date: **7/27/2011 04:58 PM**
Client ID: Run ID: **GC9_110727A** SeqNo: **1689718** Prep Date: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	1281000	2,500	1250000	0	102	70-130	1293000	0.93	30	
Surr: Toluene-d8	*5212*	0	*5000*	0	*104*	*50-150*	5056	*3.05*	*30*	

The following samples were analyzed in this batch: 1107568-02B 1107568-03B 1107568-04B 1107568-05B 1107568-06B

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **34533** Instrument ID **HG1** Method: **SW7471**

MBLK Sample ID: **MBLK-34533-34533** Units: **mg/Kg** Analysis Date: **7/26/2011 01:39 PM**
Client ID: Run ID: **HG1_110726A** SeqNo: **1687176** Prep Date: **7/26/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.020								

LCS Sample ID: **LCS-34533-34533** Units: **mg/Kg** Analysis Date: **7/26/2011 01:41 PM**
Client ID: Run ID: **HG1_110726A** SeqNo: **1687177** Prep Date: **7/26/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1665	0.020	0.1665	0	100	80-120	0			

LCSD Sample ID: **LCSD-34533-34533** Units: **mg/Kg** Analysis Date: **7/26/2011 01:44 PM**
Client ID: Run ID: **HG1_110726A** SeqNo: **1687178** Prep Date: **7/26/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1681	0.020	0.1665	0	101	80-120	0.1665	0.946	20	

MS Sample ID: **1107559-05AMS** Units: **mg/Kg** Analysis Date: **7/26/2011 02:25 PM**
Client ID: Run ID: **HG1_110726A** SeqNo: **1687197** Prep Date: **7/26/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1651	0.019	0.1601	-0.001202	104	75-125	0			

MSD Sample ID: **1107559-05AMSD** Units: **mg/Kg** Analysis Date: **7/26/2011 02:32 PM**
Client ID: Run ID: **HG1_110726A** SeqNo: **1687202** Prep Date: **7/26/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1603	0.019	0.1576	-0.001202	103	75-125	0.1651	2.91	35	

The following samples were analyzed in this batch: 1107568-01A 1107568-02A 1107568-03A

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **34540** Instrument ID **HG1** Method: **SW7471**

MBLK Sample ID: **MBLK-34540-34540** Units: **mg/Kg** Analysis Date: **7/26/2011 02:48 PM**
Client ID: Run ID: **HG1_110726A** SeqNo: **1687213** Prep Date: **7/26/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.020								

LCS Sample ID: **LCS-34540-34540** Units: **mg/Kg** Analysis Date: **7/26/2011 02:50 PM**
Client ID: Run ID: **HG1_110726A** SeqNo: **1687215** Prep Date: **7/26/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1664	0.020	0.1665	0	99.9	80-120	0			

LCSD Sample ID: **LCSD-34540-34540** Units: **mg/Kg** Analysis Date: **7/26/2011 02:52 PM**
Client ID: Run ID: **HG1_110726A** SeqNo: **1687217** Prep Date: **7/26/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1672	0.020	0.1665	0	100	80-120	0.1664	0.5	20	

MS Sample ID: **1107600-04BMS** Units: **mg/Kg** Analysis Date: **7/26/2011 03:30 PM**
Client ID: Run ID: **HG1_110726A** SeqNo: **1687454** Prep Date: **7/26/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.186	0.019	0.1554	0.02125	106	75-125	0			

MSD Sample ID: **1107600-04BMSD** Units: **mg/Kg** Analysis Date: **7/26/2011 03:32 PM**
Client ID: Run ID: **HG1_110726A** SeqNo: **1687455** Prep Date: **7/26/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1645	0.017	0.1417	0.02125	101	75-125	0.186	12.3	35	

The following samples were analyzed in this batch: 1107568-04A 1107568-05A 1107568-06A

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **34521** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-34521-34521** Units: **mg/Kg** Analysis Date: **7/25/2011 05:45 PM**
Client ID: Run ID: **ICPMS1_110725A** SeqNo: **1686514** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	ND	0.25								
Cadmium	ND	0.10								
Lead	0.001319	0.25								J

MBLK Sample ID: **MBLK-34521-34521** Units: **mg/Kg** Analysis Date: **7/26/2011 01:00 PM**
Client ID: Run ID: **ICPMS1_110726A** SeqNo: **1687080** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Chromium	ND	0.25								
Copper	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

LCS Sample ID: **LCS-34521-34521** Units: **mg/Kg** Analysis Date: **7/25/2011 05:51 PM**
Client ID: Run ID: **ICPMS1_110725A** SeqNo: **1686515** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.356	0.25	5	0	87.1	80-120	0			
Barium	4.596	0.25	5	0	91.9	80-120	0			
Cadmium	4.33	0.10	5	0	86.6	80-120	0			
Chromium	4.464	0.25	5	0	89.3	80-120	0			
Copper	4.366	0.25	5	0	87.3	80-120	0			
Lead	4.723	0.25	5	0	94.5	80-120	0			
Nickel	4.381	0.25	5	0	87.6	80-120	0			
Selenium	4.132	0.25	5	0	82.6	80-120	0			
Silver	4.042	0.25	5	0	80.8	80-120	0			
Zinc	4.416	0.50	5	0	88.3	80-120	0			

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **34521** Instrument ID **ICPMS1** Method: **SW6020A**

LCSD Sample ID: **LCSD-34521-34521** Units: **mg/Kg** Analysis Date: **7/25/2011 05:57 PM**
Client ID: Run ID: **ICPMS1_110725A** SeqNo: **1686517** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.26	0.25	5	0	85.2	80-120	4.356	2.21	20	
Cadmium	4.334	0.10	5	0	86.7	80-120	4.33	0.104	20	
Chromium	4.458	0.25	5	0	89.2	80-120	4.464	0.123	20	
Copper	4.413	0.25	5	0	88.3	80-120	4.366	1.06	20	
Lead	4.728	0.25	5	0	94.6	80-120	4.723	0.116	20	
Nickel	4.378	0.25	5	0	87.6	80-120	4.381	0.0685	20	
Selenium	4.098	0.25	5	0	82	80-120	4.132	0.838	20	
Silver	4.082	0.25	5	0	81.6	80-120	4.042	1.01	20	
Zinc	4.502	0.50	5	0	90	80-120	4.416	1.94	20	

LCSD Sample ID: **LCSD-34521-34521** Units: **mg/Kg** Analysis Date: **7/26/2011 01:06 PM**
Client ID: Run ID: **ICPMS1_110726A** SeqNo: **1687081** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	4.962	0.25	5	0	99.2	80-120	4.596	7.66	20	

MS Sample ID: **1107597-05BMS** Units: **mg/Kg** Analysis Date: **7/26/2011 01:36 PM**
Client ID: Run ID: **ICPMS1_110726A** SeqNo: **1687086** Prep Date: **7/25/2011** DF: **4**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	8.395	1.6	7.899	0.7185	97.2	80-120	0			
Barium	52.26	1.6	7.899	41.06	142	80-120	0			SO
Cadmium	7.577	0.63	7.899	0.0997	94.7	80-120	0			
Chromium	10.84	1.6	7.899	3.324	95.2	80-120	0			
Copper	7.836	1.6	7.899	0.6943	90.4	80-120	0			
Lead	9.141	1.6	7.899	1.031	103	80-120	0			
Nickel	9.656	1.6	7.899	2.069	96.1	80-120	0			
Selenium	8.06	1.6	7.899	0.4082	96.9	80-120	0			
Silver	6.79	1.6	7.899	0.009025	85.8	80-120	0			
Zinc	15.34	3.2	7.899	7.444	100	80-120	0			

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **34521** Instrument ID **ICPMS1** Method: **SW6020A**

MSD Sample ID: **1107597-05BMSD** Units: **mg/Kg** Analysis Date: **7/26/2011 01:42 PM**

Client ID: Run ID: **ICPMS1_110726A** SeqNo: **1687088** Prep Date: **7/25/2011** DF: **4**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	8.003	1.5	7.321	0.7185	99.5	80-120	8.395	4.78	25	
Barium	49.96	1.5	7.321	41.06	121	80-120	52.26	4.51	25	SO
Cadmium	7.283	0.59	7.321	0.0997	98.1	80-120	7.577	3.96	25	
Chromium	10.27	1.5	7.321	3.324	94.9	80-120	10.84	5.44	25	
Copper	7.256	1.5	7.321	0.6943	89.6	80-120	7.836	7.68	25	
Lead	8.764	1.5	7.321	1.031	106	80-120	9.141	4.2	25	
Nickel	9.063	1.5	7.321	2.069	95.5	80-120	9.656	6.33	25	
Selenium	7.376	1.5	7.321	0.4082	95.2	80-120	8.06	8.86	25	
Silver	6.325	1.5	7.321	0.009025	86.3	80-120	6.79	7.09	25	
Zinc	14.53	2.9	7.321	7.444	96.8	80-120	15.34	5.44	25	

The following samples were analyzed in this batch:

1107568-01A	1107568-02A	1107568-03A
1107568-04A	1107568-05A	1107568-06A

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **34510** Instrument ID **SVMS6** Method: **SW8270**

MBLK Sample ID: **SBLKS1-34510-34510** Units: **µg/Kg** Analysis Date: **7/26/2011 01:49 PM**

Client ID: Run ID: **SVMS6_110726A** SeqNo: **1687090** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	30								
Anthracene	ND	30								
Benzo(a)anthracene	ND	30								
Benzo(a)pyrene	ND	30								
Benzo(b)fluoranthene	ND	30								
Benzo(g,h,i)perylene	ND	30								
Benzo(k)fluoranthene	ND	30								
Chrysene	ND	30								
Dibenzo(a,h)anthracene	ND	30								
Fluoranthene	ND	30								
Fluorene	ND	30								
Indeno(1,2,3-cd)pyrene	ND	30								
Naphthalene	ND	30								
Pyrene	ND	30								
Surr: 2,4,6-Tribromophenol	*1052*	0	*1667*	0	*63.1*	*34-140*	0			
Surr: 2-Fluorobiphenyl	*960.3*	0	*1667*	0	*57.6*	*12-100*	0			
Surr: 2-Fluorophenol	*1090*	0	*1667*	0	*65.4*	*33-117*	0			
Surr: 4-Terphenyl-d14	*1123*	0	*1667*	0	*67.4*	*25-137*	0			
Surr: Nitrobenzene-d5	*978*	0	*1667*	0	*58.7*	*37-107*	0			
Surr: Phenol-d6	*1109*	0	*1667*	0	*66.5*	*40-106*	0			

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **34510** Instrument ID **SVMS6** Method: **SW8270**

LCS Sample ID: **SLCSS1-34510-34510** Units: **µg/Kg** Analysis Date: **7/26/2011 11:37 AM**

Client ID: Run ID: **SVMS6_110726A** SeqNo: **1687087** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	900	30	1333	0	67.5	45-110	0			
Anthracene	938	30	1333	0	70.4	55-105	0			
Benzo(a)anthracene	902.3	30	1333	0	67.7	50-110	0			
Benzo(a)pyrene	980.3	30	1333	0	73.5	50-110	0			
Benzo(b)fluoranthene	967.3	30	1333	0	72.6	45-115	0			
Benzo(g,h,i)perylene	1008	30	1333	0	75.6	40-125	0			
Benzo(k)fluoranthene	971.3	30	1333	0	72.9	45-115	0			
Chrysene	907.3	30	1333	0	68.1	55-110	0			
Dibenzo(a,h)anthracene	1008	30	1333	0	75.6	40-125	0			
Fluoranthene	967.7	30	1333	0	72.6	55-115	0			
Fluorene	900.7	30	1333	0	67.6	50-110	0			
Indeno(1,2,3-cd)pyrene	1001	30	1333	0	75.1	40-120	0			
Naphthalene	823.3	30	1333	0	61.8	40-105	0			
Pyrene	962.3	30	1333	0	72.2	45-125	0			
Surr: 2,4,6-Tribromophenol	*996.3*	0	*1667*	0	*59.8*	*34-140*	0			
Surr: 2-Fluorobiphenyl	*853*	0	*1667*	0	*51.2*	*12-100*	0			
Surr: 2-Fluorophenol	*885.3*	0	*1667*	0	*53.1*	*33-117*	0			
Surr: 4-Terphenyl-d14	*1017*	0	*1667*	0	*61*	*25-137*	0			
Surr: Nitrobenzene-d5	*878.7*	0	*1667*	0	*52.7*	*37-107*	0			
Surr: Phenol-d6	*871*	0	*1667*	0	*52.3*	*40-106*	0			

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **34510** Instrument ID **SVMS6** Method: **SW8270**

LCSD Sample ID: **SLCSDS1-34510-34510** Units: **µg/Kg** Analysis Date: **7/26/2011 12:03 PM**

Client ID: Run ID: **SVMS6_110726A** SeqNo: **1687089** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	746	30	1333	0	56	45-110	900	18.7	25	
Anthracene	779.3	30	1333	0	58.5	55-105	938	18.5	25	
Benzo(a)anthracene	774	30	1333	0	58.1	50-110	902.3	15.3	25	
Benzo(a)pyrene	814	30	1333	0	61.1	50-110	980.3	18.5	25	
Benzo(b)fluoranthene	771.7	30	1333	0	57.9	45-115	967.3	22.5	25	
Benzo(g,h,i)perylene	832.7	30	1333	0	62.5	40-125	1008	19.1	25	
Benzo(k)fluoranthene	828.3	30	1333	0	62.1	45-115	971.3	15.9	25	
Chrysene	748	30	1333	0	56.1	55-110	907.3	19.3	25	
Dibenzo(a,h)anthracene	825.7	30	1333	0	61.9	40-125	1008	19.9	25	
Fluoranthene	814.7	30	1333	0	61.1	55-115	967.7	17.2	25	
Fluorene	754.3	30	1333	0	56.6	50-110	900.7	17.7	25	
Indeno(1,2,3-cd)pyrene	830.7	30	1333	0	62.3	40-120	1001	18.6	25	
Naphthalene	711.3	30	1333	0	53.4	40-105	823.3	14.6	25	
Pyrene	801.7	30	1333	0	60.1	45-125	962.3	18.2	25	
Surr: 2,4,6-Tribromophenol	*818*	0	*1667*	0	*49.1*	*34-140*	996.3	*19.7*	*40*	
Surr: 2-Fluorobiphenyl	*712*	0	*1667*	0	*42.7*	*12-100*	853	*18*	*40*	
Surr: 2-Fluorophenol	*752.3*	0	*1667*	0	*45.1*	*33-117*	885.3	*16.2*	*40*	
Surr: 4-Terphenyl-d14	*852*	0	*1667*	0	*51.1*	*25-137*	1017	*17.6*	*40*	
Surr: Nitrobenzene-d5	*746.7*	0	*1667*	0	*44.8*	*37-107*	878.7	*16.2*	*40*	
Surr: Phenol-d6	*748*	0	*1667*	0	*44.9*	*40-106*	871	*15.2*	*40*	

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **34510** Instrument ID **SVMS6** Method: **SW8270**

MS Sample ID: **1107555-03B MS** Units: **µg/Kg** Analysis Date: **7/26/2011 05:31 PM**

Client ID: Run ID: **SVMS6_110726A** SeqNo: **1688033** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1942	59	2637	0	73.7	45-110	0			
Anthracene	2059	59	2637	0	78.1	55-105	0			
Benzo(a)anthracene	2007	59	2637	0	76.1	50-110	0			
Benzo(a)pyrene	2191	59	2637	0	83.1	50-110	0			
Benzo(b)fluoranthene	2287	59	2637	0	86.7	45-115	0			
Benzo(g,h,i)perylene	2348	59	2637	0	89.1	40-125	0			
Benzo(k)fluoranthene	2069	59	2637	0	78.5	45-115	0			
Chrysene	2102	59	2637	0	79.7	55-110	0			
Dibenzo(a,h)anthracene	2316	59	2637	0	87.9	40-125	0			
Fluoranthene	2127	59	2637	0	80.7	55-115	0			
Fluorene	1963	59	2637	0	74.5	50-110	0			
Indeno(1,2,3-cd)pyrene	2295	59	2637	0	87	40-120	0			
Naphthalene	1906	59	2637	0	72.3	40-105	0			
Pyrene	2173	59	2637	0	82.4	45-125	0			
Surr: 2,4,6-Tribromophenol	*2337*	0	*3296*	0	*70.9*	*34-140*	0			
Surr: 2-Fluorobiphenyl	*1888*	0	*3296*	0	*57.3*	*12-100*	0			
Surr: 2-Fluorophenol	*2013*	0	*3296*	0	*61.1*	*33-117*	0			
Surr: 4-Terphenyl-d14	*2242*	0	*3296*	0	*68*	*25-137*	0			
Surr: Nitrobenzene-d5	*2047*	0	*3296*	0	*62.1*	*37-107*	0			
Surr: Phenol-d6	*1993*	0	*3296*	0	*60.5*	*40-106*	0			

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **34510** Instrument ID **SVMS6** Method: **SW8270**

MSD Sample ID: **1107555-03B MSD** Units: **µg/Kg** Analysis Date: **7/26/2011 05:57 PM**

Client ID: Run ID: **SVMS6_110726A** SeqNo: **1688034** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1951	60	2654	0	73.5	45-110	1942	0.485	30	
Anthracene	2048	60	2654	0	77.2	55-105	2059	0.537	30	
Benzo(a)anthracene	1984	60	2654	0	74.8	50-110	2007	1.17	30	
Benzo(a)pyrene	2173	60	2654	0	81.9	50-110	2191	0.83	30	
Benzo(b)fluoranthene	2280	60	2654	0	85.9	45-115	2287	0.301	30	
Benzo(g,h,i)perylene	2327	60	2654	0	87.7	40-125	2348	0.901	30	
Benzo(k)fluoranthene	2002	60	2654	0	75.4	45-115	2069	3.31	30	
Chrysene	2089	60	2654	0	78.7	55-110	2102	0.576	30	
Dibenzo(a,h)anthracene	2314	60	2654	0	87.2	40-125	2316	0.0879	30	
Fluoranthene	2129	60	2654	0	80.2	55-115	2127	0.0954	30	
Fluorene	1940	60	2654	0	73.1	50-110	1963	1.18	30	
Indeno(1,2,3-cd)pyrene	2287	60	2654	0	86.2	40-120	2295	0.327	30	
Naphthalene	1872	60	2654	0	70.6	40-105	1906	1.76	30	
Pyrene	2159	60	2654	0	81.4	45-125	2173	0.628	30	
Surr: 2,4,6-Tribromophenol	*2308*	0	*3318*	0	*69.6*	*34-140*	2337	*1.22*	*40*	
Surr: 2-Fluorobiphenyl	*1872*	0	*3318*	0	*56.4*	*12-100*	1888	*0.823*	*40*	
Surr: 2-Fluorophenol	*2020*	0	*3318*	0	*60.9*	*33-117*	2013	*0.36*	*40*	
Surr: 4-Terphenyl-d14	*2228*	0	*3318*	0	*67.2*	*25-137*	2242	*0.618*	*40*	
Surr: Nitrobenzene-d5	*2040*	0	*3318*	0	*61.5*	*37-107*	2047	*0.348*	*40*	
Surr: Phenol-d6	*1995*	0	*3318*	0	*60.1*	*40-106*	1993	*0.124*	*40*	

The following samples were analyzed in this batch:

1107568-01A	1107568-02A	1107568-03A
1107568-04A	1107568-05A	1107568-06A

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **34520** Instrument ID **VMS6** Method: **SW8260**

MBLK Sample ID: **MBLK-34520-34520** Units: **µg/Kg** Analysis Date: **7/26/2011 11:18 PM**
Client ID: Run ID: **VMS6_110726B** SeqNo: **1688283** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Ethylbenzene	ND	30								
m,p-Xylene	ND	60								
o-Xylene	ND	30								
Toluene	ND	30								
Xylenes, Total	ND	90								
Surr: 1,2-Dichloroethane-d4	*5006*	0	*5000*	0	*100*	*70-120*	0			
Surr: 4-Bromofluorobenzene	*4803*	0	*5000*	0	*96.1*	*75-120*	0			
Surr: Dibromofluoromethane	*4964*	0	*5000*	0	*99.3*	*85-115*	0			
Surr: Toluene-d8	*4976*	0	*5000*	0	*99.5*	*85-120*	0			

LCS Sample ID: **LCS-34520-34520** Units: **µg/Kg** Analysis Date: **7/26/2011 10:03 PM**
Client ID: Run ID: **VMS6_110726B** SeqNo: **1688257** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1080	30	1000	0	108	75-125	0			
Ethylbenzene	1020	30	1000	0	102	75-125	0			
m,p-Xylene	2015	60	2000	0	101	80-125	0			
o-Xylene	1017	30	1000	0	102	75-125	0			
Toluene	1086	30	1000	0	109	70-125	0			
Xylenes, Total	3032	90	3000	0	101	75-125	0			
Surr: 1,2-Dichloroethane-d4	*5072*	0	*5000*	0	*101*	*70-120*	0			
Surr: 4-Bromofluorobenzene	*4920*	0	*5000*	0	*98.4*	*75-120*	0			
Surr: Dibromofluoromethane	*5090*	0	*5000*	0	*102*	*85-115*	0			
Surr: Toluene-d8	*5002*	0	*5000*	0	*100*	*85-120*	0			

LCSD Sample ID: **LCSD-34520-34520** Units: **µg/Kg** Analysis Date: **7/26/2011 10:28 PM**
Client ID: Run ID: **VMS6_110726B** SeqNo: **1688258** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1006	30	1000	0	101	75-125	1080	7.05	30	
Ethylbenzene	941.5	30	1000	0	94.2	75-125	1020	7.96	30	
m,p-Xylene	1866	60	2000	0	93.3	80-125	2015	7.68	30	
o-Xylene	948.5	30	1000	0	94.8	75-125	1017	6.97	30	
Toluene	996.5	30	1000	0	99.6	70-125	1086	8.55	30	
Xylenes, Total	2814	90	3000	0	93.8	75-125	3032	7.44	30	
Surr: 1,2-Dichloroethane-d4	*5056*	0	*5000*	0	*101*	*70-120*	5072	*0.336*	*30*	
Surr: 4-Bromofluorobenzene	*4934*	0	*5000*	0	*98.7*	*75-120*	4920	*0.294*	*30*	
Surr: Dibromofluoromethane	*5086*	0	*5000*	0	*102*	*85-115*	5090	*0.0884*	*30*	
Surr: Toluene-d8	*4990*	0	*5000*	0	*99.8*	*85-120*	5002	*0.25*	*30*	

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **34520** Instrument ID **VMS6** Method: **SW8260**

The following samples were analyzed in this batch:

1107568-01B	1107568-02B	1107568-03B
1107568-04B	1107568-05B	1107568-06B

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **34543** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK Sample ID: **MBLK-34543-34543** Units: **mg/Kg** Analysis Date: **7/27/2011 03:00 PM**
Client ID: Run ID: **WETCHEM_110727H** SeqNo: **1688444** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	ND	0.50								

LCS Sample ID: **LCS-34543-34543** Units: **mg/Kg** Analysis Date: **7/27/2011 03:00 PM**
Client ID: Run ID: **WETCHEM_110727H** SeqNo: **1688442** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.757	0.48	1.931	0	91	75-110	0			

LCSD Sample ID: **LCSD-34543-34543** Units: **mg/Kg** Analysis Date: **7/27/2011 03:00 PM**
Client ID: Run ID: **WETCHEM_110727H** SeqNo: **1688443** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.85	0.49	1.976	0	93.6	75-110	1.757	5.16	20	

MS Sample ID: **1107289-05B MS** Units: **mg/Kg** Analysis Date: **7/27/2011 03:00 PM**
Client ID: Run ID: **WETCHEM_110727H** SeqNo: **1688425** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	7.012	0.49	1.953	4.135	147	60-130	0			S

MSD Sample ID: **1107289-05B MSD** Units: **mg/Kg** Analysis Date: **7/27/2011 03:00 PM**
Client ID: Run ID: **WETCHEM_110727H** SeqNo: **1688426** Prep Date: **7/25/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	6.815	0.49	1.969	4.135	136	60-130	7.012	2.85	30	S

The following samples were analyzed in this batch:

1107568-01A	1107568-02A	1107568-03A
1107568-04A	1107568-05A	1107568-06A

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **R92528** Instrument ID **WETCHEM** Method: **SW9045D**

DUP Sample ID: **1107568-01A DUP** Units: **s.u.** Analysis Date: **7/22/2011 09:00 AM**

Client ID: **N. Bottom** Run ID: **WETCHEM_110722E** SeqNo: **1684299** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.6	0	0	0	0	0-0	8.6	0	20	H

DUP Sample ID: **1107571-01B DUP** Units: **s.u.** Analysis Date: **7/22/2011 09:00 AM**

Client ID: Run ID: **WETCHEM_110722E** SeqNo: **1684364** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.09	0	0	0	0	0-0	7.09	0	20	

The following samples were analyzed in this batch:

1107568-01A	1107568-02A	1107568-03A
1107568-04A	1107568-05A	1107568-06A

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

Client: HRL Compliance Solutions
Work Order: 1107568
Project: Williams TR 11-6-697 Pad LOE 7/15/11

QC BATCH REPORT

Batch ID: **R92565** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS1-R92565** Units: **% of sample** Analysis Date: **7/22/2011 01:45 PM**
Client ID: Run ID: **MOIST_110722B** SeqNo: **1685216** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.050								

LCS Sample ID: **LCS-R92565** Units: **% of sample** Analysis Date: **7/22/2011 01:45 PM**
Client ID: Run ID: **MOIST_110722B** SeqNo: **1685212** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.050	100	0	100	99.5-100.5	0			

DUP Sample ID: **1107559-03ADUP** Units: **% of sample** Analysis Date: **7/22/2011 01:45 PM**
Client ID: Run ID: **MOIST_110722B** SeqNo: **1685184** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	27.42	0.050	0	0	0	0-0	27.4	0.073	20	

DUP Sample ID: **1107574-06BDUP** Units: **% of sample** Analysis Date: **7/22/2011 01:45 PM**
Client ID: Run ID: **MOIST_110722B** SeqNo: **1685210** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	6.23	0.050	0	0	0	0-0	5.88	5.78	20	

The following samples were analyzed in this batch:

1107568-01A	1107568-02A	1107568-03A
1107568-04A	1107568-05A	1107568-06A

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 #	1107568
PAGE	1 of 1
DISPOSAL	By Lab or Return to Client

PROJECT NAME	TR 11-6-697 Pad LOE	SAMPLER	Reed Wold
PROJECT No.		SITE ID	TR 11-6-697
		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@hrlcomp.com	E-MAIL	Karolia.blaney@williams.com
		DATE	7/21/2011
		TURNAROUND	5 day

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	BTEX/ GRO	DRO/ PAH/ Metals (table 910-1)	SAR/ EC/ PH
1	N. Bottom	SO	7/15/2011	2:40	3	8		X	X	X
2	E. Wall	SO	7/15/2011	2:25	3	8		X	X	X
3	S. Bottom	SO	7/15/2011	2:45	3	8		X	X	X
4	S. Wall	SO	7/15/2011	2:30	3	8		X	X	X
5	N. Wall	SO	7/15/2011	2:20	3	8		X	X	X
6	W. Wall	SO	7/15/2011	2:35	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:

2.2°C

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	7/21/11	5pm
RECEIVED BY		KEITH WIERENGA	7/22/11	1055
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

Subcontractor:
A & L Great Lakes Agricultural La
3505 Conestoga Dr
Ft. Wayne, IN 46808
TEL: (260) 483-4759
FAX: (260) 483-5274
Acct #: 91000

CHAIN-OF-CUSTODY RECORD

Date: 24-Jul-11
COC ID: 3011
Due Date 28-Jul-11

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	1107568	A	Subcontracted Analyses (SUBCONTRACT) SAR-EC
Work Order		Project Number		B	
Company Name	ALS Group USA, Corp	Bill To Company	ALS Group USA, Corp	C	
Send Report To	Ann Preston	Inv Attn	Accounts Payable	D	
Address	3352 128th Avenue	Address	3352 128th Avenue	E	
				F	
City/State/Zip	Holland, Michigan 49424-9263	City/State/Zip	Holland, Michigan 49424-9263	G	
Phone	(616) 399-6070	Phone	(616) 399-6070	H	
Fax	(616) 399-6185	Fax	(616) 399-6185	I	
eMail Address	ann.preston@alsglobal.com	eMail CC		J	

Sample ID	Matrix	Collection Date 24hr	Bottle	A	B	C	D	E	F	G	H	I	J
1107568-01C (N. Bottom)	Soil	15/Jul/2011 14:40	(1) MISC	X									
1107568-02C (E. Wall)	Soil	15/Jul/2011 14:25	(1) MISC	X									
1107568-03C (S. Bottom)	Soil	15/Jul/2011 14:45	(1) MISC	X									
1107568-04C (S. Wall)	Soil	15/Jul/2011 14:30	(1) MISC	X									
1107568-05C (N. Wall)	Soil	15/Jul/2011 14:20	(1) MISC	X									
1107568-06C (W. Wall)	Soil	15/Jul/2011 14:35	(1) MISC	X									

Comments:

Please analyze for SAR-EC. Email results to Ann Preston.

Relinquished by:	Date/Time	Received by:	Date/Time	Cooler IDs	Report/QC Level
[signature]	7/25/11	[signature]			Std
Relinquished by:	Date/Time	Received by:	Date/Time		

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **HRL** Date/Time Received: **22-Jul-11 10:55**

Work Order: **1107568** Received by: **KRW**

Checklist completed by Keith Wierenga (eSignature) 22-Jul-11 (Date) Reviewed by: Ann Preston (eSignature) 24-Jul-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):	2.2 C		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

FedEx Express **NEW Package US Airbill**

FedEx Tracking Number: 8757 1479 5715

0200 Form ID No.

FedEx Retrieval Copy

1 From

Date: 7/21/11

Sender's FedEx Account Number:

Sender's Name: Reed Wold Phone: 970 243-3271

Company: HCSI

Address: 744 Horizon Ct Suite 140 Dept./Floor/Suite/Room:

City: Grand Junction State: Co ZIP: 81506

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.

01 ☐ HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

31 ☐ HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

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

City: Holland State: MI ZIP: 49424

8757 1479 5715

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

06 ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

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.

2 or 3 Business Days

49 ☐ NEW FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.

03 ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

06 ☐ FedEx Envelope* 02 ☐ FedEx 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:*

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. ☐

1 ☐ Sender Acct. No. in Section 1 will be billed 2 ☑ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

[redacted] 15

Total Packages: 1 Total Weight: 65 lbs. Credit Card Auth.

612

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

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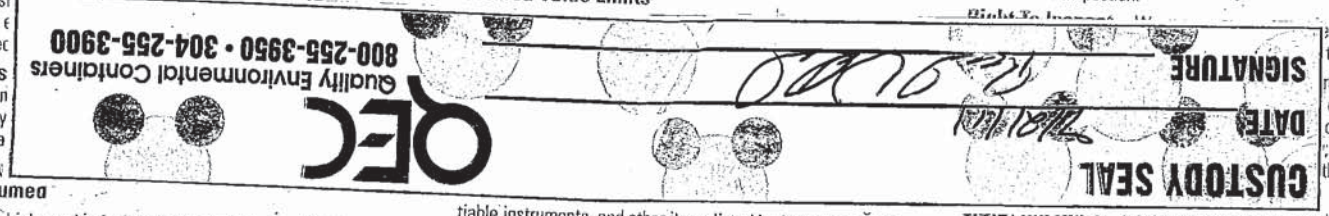
Terms And Conditions Summary

*For the current FedEx Service Guide, which contains the complete Terms and Conditions, go to **fedex.com**.*

Definitions On this Airbill, "we," "our," "us," and "FedEx" refer to Federal Express Corporation, its employees, and agents. "You" and "your" refer to the sender, its employees, and agents.

Agreement To Terms By giving us your package to deliver, you agree to all the terms on this Airbill and in the current FedEx Service Guide, which is available at **fedex.com** or at a FedEx location. You also agree to those terms on behalf of any third party with an interest in the package. If there is a conflict between the current FedEx Service Guide and this Airbill, the current FedEx Service Guide will control. No one is authorized to change the terms of our Agreement.

Responsibility For Packaging And Completing Airbill You are responsible for adequately packaging your goods and properly filling out this Airbill. If you omit the number of packages and/or weight per package, our billing will be based on our best



and/or an e
determinec

Respons
payment in
all delivery
your packa

Limitatic
Not Assumed

- Unless a higher value is declared and paid for, our liability for each package is limited to US$100. You may pay an additional charge for each additional US$100 of declared value. The declared value does not constitute, nor do we provide, cargo liability insurance.
- In any event, we will not be liable for any damage, whether direct, incidental, special, or consequential, in excess of the declared value of a shipment, whether or not FedEx had knowledge that such damages might be incurred, including but not limited to loss of income or profits.
- We won't be liable:
  - for your acts or omissions, including but not limited to improper or insufficient packing, securing, marking, or addressing, or those of the recipient or anyone else with an interest in the package.
  - if you or the recipient violates any of the terms of our Agreement.
  - for loss of or damage to shipments of prohibited items.
  - for loss, damage, or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, acts of public enemies, war, strikes, civil commotions, or acts of public authorities with actual or apparent authority.

Declared Value Limits

tiable instruments, and other items listed in the current FedEx Service Guide.

- You may send more than one package on this Airbill and fill in the total declared value for all packages, not to exceed the US$500, US$1,000, or US$50,000 per package limit described above. (Example: 5 packages can have a total declared value of up to US$250,000.) In that case, our liability is limited to the actual value of the package(s) lost or damaged, but may not exceed the maximum allowable declared value(s) or the total declared value, whichever is less. You are responsible for proving the actual loss or damage.

Filing A Claim YOU MUST MAKE ALL CLAIMS IN WRITING or online at **fedex.com** and notify us of your claim within strict time limits set out in the current FedEx Service Guide.

You may call our Customer Service department at 1.800.GoFedEx 1.800.463.3339 to report a claim; however, you must still file a timely written claim. We aren't obligated to act on any claim until you have paid all transportation charges, and you may not deduct the amount of your claim from those charges.

If the recipient accepts your package without noting any damage on the delivery record, we will assume the package was delivered in good condition. For us to process your claim, you must make the original shipping cartons and packing available for inspection.

Right To

en and inspect
to deliver.

reject a
cause
or
; or if the
the current

C.O.D. Services C.O.D. SERVICE IS NOT AVAILABLE WITH THIS AIRBILL. If C.O.D. Service is required, please use a FedEx C.O.D. Airbill.

Air Transportation Tax Included A federal excise tax when required by the Internal Revenue Code on the air transportation portion of this service, if any, is paid by us.

Money-Back Guarantee In the event of untimely delivery, FedEx will, at your request and with some limitations, refund or credit all transportation charges. See the current FedEx Service Guide for more information.

Part 163135/163136 • Rev. Date 11/10

Appendix 2: Background Raw Analytical Data

ALS Group USA, Corp

Date: *29-Jun-11*

Client: HRL Compliance Solutions
Project: Williams TR 41-6-597 Pit Closure 6/20/11 **Work Order:** 1106585
Sample ID: BKGD 1 **Lab ID:** 1106585-07
Collection Date: 6/21/2011 01:15 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **6/24/2011**	Analyst: **RH**
Arsenic	**5.8**		**0.80**	**mg/Kg-dry**	2	6/24/2011 06:50 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**Rcvd 6/27/11**			**attached**	1	6/27/2011
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**11**		**0.050**	**% of sample**	1	6/22/2011 12:10 PM
PH			**SW9045D**			Analyst: **JS**
pH	**7.29**			**s.u.**	1	6/22/2011 08:30 AM

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

ALS Group USA, Corp

Date: *29-Jun-11*

Client: HRL Compliance Solutions
Project: Williams TR 41-6-597 Pit Closure 6/20/11 **Work Order:** 1106585
Sample ID: BKGD 2 **Lab ID:** 1106585-08
Collection Date: 6/21/2011 01:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **6/24/2011**	Analyst: **RH**
Arsenic	**7.6**		**0.88**	**mg/Kg-dry**	2	6/25/2011 08:39 AM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**15**		**0.050**	**% of sample**	1	6/22/2011 12:10 PM

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

ALS Group USA, Corp

Date: *29-Jun-11*

Client: HRL Compliance Solutions
Project: Williams TR 41-6-597 Pit Closure 6/20/11 **Work Order:** 1106585
Sample ID: BKGD 3 **Lab ID:** 1106585-09
Collection Date: 6/21/2011 01:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **6/24/2011**	Analyst: **RH**
Arsenic	**6.3**		**0.77**	**mg/Kg-dry**	2	6/25/2011 08:45 AM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**3.0**		**0.050**	**% of sample**	1	6/22/2011 12:10 PM

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

Appendix 3: 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

DE | ET | DE | ES

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
2. Name of Operator: Williams Production RMT Company
3. Address: 1058 County Road 215
City: Parachute State: CO Zip: 81635
4. Contact Name: Karolina Blaney
Phone: 970-683-2295
Fax: 970-285-9573

Complete the Attachment Checklist

OP OGCC

5. API Number 05- N/A
OGCC Facility ID Number 278657
6. Well/Facility Name: Shell TR 11-6-697
7. Well/Facility Number TR 11-6-697
8. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNW, Section 6, T6S, R97W, 6th PM
9. County: Garfield
10. Field Name: Trail Ridge
11. Federal, Indian or State Lease Number:

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)
☐ Change Drilling Plans
☐ Gross Interval Changed?
☐ Casing/Cementing Program Change
☐ Request to Vent or Flare
☐ Repair Well
☐ Rule 502 variance requested
☒ Other: Background
☐ E&P Waste Disposal
☐ Beneficial Reuse of E&P Waste
☐ Status Update/Change of Remediation Plans for Spills and Releases

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: 8/30/2011 Email: Karolina.Blaney@williams.com

Print Name: Karolina Blaney Title: Environmental Specialist

COGCC Approved: Title: Date:

CONDITIONS OF APPROVAL, IF ANY:

FORM 4 Rev 12/05

TECHNICAL INFORMATION PAGE

FOR OGCC USE ONLY

1. OGCC Operator Number: 96850 API Number: N/A
2. Name of Operator: Williams Production RMT OGCC Facility ID # 278657
3. Well/Facility Name: Shell TR 11-6-697 Well/Facility Number: TR 11-6-697
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNW, Section 6, T6S, R97W, 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 Shell TR 11-6-697 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)

Six (6) grab samples were collected from locations within the pit footprint at depths of approximately 18' to 18.6' below pad grade to ascertain the arsenic concentrations of the facility.

North Bottom - 11 mg/kg
South Bottom - 5.4 mg/kg
East Wall - 8.7 mg/kg
South Wall - 9.6 mg/kg
West Wall - 8.0 mg/kg
North Wall - 13 mg/kg

Average Concentration: 9.28 mg/kg

Three (3) grab samples used on an immediate adjacent location with the same soil types were used for the background analytical results. Samples were collected from a non-impacted, native soil from surface to 6" below to establish the background arsenic concentrations.

BKGD 1 - 5.8 mg/kg
BKGD 2 - 7.6 mg/kg
BKGD 3 - 6.3 mg/kg

Average Concentration: 6.56 mg/kg

Williams is requesting this approval in order to proceed with closure and reclamation of the production pit on the Shell TR 11-6-697 well pad.

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

OE	ET	OS	ES

SUNDRY NOTICE

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City: Parachute State: CO Zip: 81635
4. Contact Name: Karolina Blaney
Phone: 970-683-2295
Fax: 970-285-9573

Complete the Attachment Checklist — OP OGCC

5. API Number 05- N/A
6. Well/Facility Name: Shell TR 11-6-697
7. Well/Facility Number TR 11-6-697
8. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNW, Section 6, T6S, R97W, 6th PM
9. County: Garfield
10. Field Name: Trail Ridge
11. Federal, Indian or State Lease Number:
OGCC Facility ID Number 278657

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:
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☐ REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)

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Approximate Start Date:

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Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

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☐ Change Drilling Plans
☐ Gross Interval Changed?
☐ Casing/Cementing Program Change
☐ Request to Vent or Flare
☐ Repair Well
☐ Rule 502 variance requested
☒ Other: Background
☐ E&P Waste Disposal
☐ Beneficial Reuse of E&P Waste
☐ Status Update/Change of Remediation Plans for Spills and Releases

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: 8/30/2011 Email: Karolina.Blaney@williams.com
Print Name: Karolina Blaney Title: Environmental Specialist

COGCC Approved: [signature] Title: FOR Date: 09/21/2011
CONDITIONS OF APPROVAL, IF ANY:
Chris Canfield
EPS NW Region

FORM 4 Rev 12/05

TECHNICAL INFORMATION PAGE

FOR OGCC USE ONLY

1. OGCC Operator Number: 96850 API Number: N/A
2. Name of Operator: Williams Production RMT OGCC Facility ID # 278657
3. Well/Facility Name: Shell TR 11-6-697 Well/Facility Number: TR 11-6-697
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNW, Section 6, T6S, R97W, 6th PM

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North Wall - 13 mg/kg

Average Concentration: 9.28 mg/kg

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Williams is requesting this approval in order to proceed with closure and reclamation of the production pit on the Shell TR 11-6-697 well pad.

29-Jul-2011

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

Re: **Williams TR 11-6-697 Pad LOE 7/15/11** Work Order: **1107568**

Dear Mark,

ALS Environmental received 6 samples on 22-Jul-2011 10:55 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 41.

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

ACCREDITED IN ACCORDANCE WITH nelac
Certificate No: IL100452

ALS Group USA, Corp

Date: 29-Jul-11

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11
Work Order: **1107568**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1107568-01	N. Bottom	Soil		7/15/2011 14:40	7/22/2011 10:55	☐
1107568-02	E. Wall	Soil		7/15/2011 14:25	7/22/2011 10:55	☐
1107568-03	S. Bottom	Soil		7/15/2011 14:45	7/22/2011 10:55	☐
1107568-04	S. Wall	Soil		7/15/2011 14:30	7/22/2011 10:55	☐
1107568-05	N. Wall	Soil		7/15/2011 14:20	7/22/2011 10:55	☐
1107568-06	W. Wall	Soil		7/15/2011 14:35	7/22/2011 10:55	☐

ALS Group USA, Corp

Date: 29-Jul-11

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11
Work Order: 1107568

Case Narrative

The samples for pH were received after the hold time had expired.

Batch 34521 MS/MSD data for Metals is not related to this project's samples.

Batch 34543 MS/MSD data for Hexavalent Chromium is not related to this project's samples.

ALS Group USA, Corp

Date: 29-Jul-11

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11
WorkOrder: **1107568**

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
µg/Kg-dry	Micrograms per Kilogram Dry Weight
as noted	
mg/Kg-dry	Milligrams per Kilogram Dry Weight
s.u.	Standard Units

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: N. Bottom **Lab ID:** 1107568-01
Collection Date: 7/15/2011 02:40 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **7/25/2011**	Analyst: **RM**
DRO (C10-C28)	**44**		**5.3**	**mg/Kg-dry**	1	7/26/2011 05:29 PM
Surr: 4-Terphenyl-d14	*83.3*		*39-115*	*%REC*	1	7/26/2011 05:29 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**			Analyst: **RM**
GRO (C6-C10)	ND		3.2	mg/Kg-dry	50	7/27/2011 04:09 AM
Surr: Toluene-d8	*107*		*50-150*	*%REC*	50	7/27/2011 04:09 AM
MERCURY BY CVAA			**SW7471**		Prep Date: **7/26/2011**	Analyst: **LR**
Mercury	**0.059**		**0.023**	**mg/Kg-dry**	1	7/26/2011 02:34 PM
METALS BY ICP-MS			**SW6020A**		Prep Date: **7/25/2011**	Analyst: **CES**
Arsenic	**11**		**0.98**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
Barium	**670**		**9.8**	**mg/Kg-dry**	20	7/26/2011 01:48 PM
Cadmium	**0.51**		**0.39**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
Chromium	**26**		**0.98**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
Copper	**24**		**0.98**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
Lead	**18**		**0.98**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
Nickel	**19**		**0.98**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
Selenium	**1.2**		**0.98**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
Silver	ND		0.98	mg/Kg-dry	2	7/25/2011 09:12 PM
Zinc	**70**		**2.0**	**mg/Kg-dry**	2	7/25/2011 09:12 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**See report**			**as noted**	1	7/28/2011
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep Date: **7/25/2011**	Analyst: **HL**
Acenaphthene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Anthracene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Benzo(a)anthracene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Benzo(a)pyrene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Benzo(b)fluoranthene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Benzo(g,h,i)perylene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Benzo(k)fluoranthene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Chrysene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Dibenzo(a,h)anthracene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Fluoranthene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Fluorene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Indeno(1,2,3-cd)pyrene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Naphthalene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Pyrene	ND		38	µg/Kg-dry	1	7/27/2011 03:37 AM
Surr: 2,4,6-Tribromophenol	*72.3*		*34-140*	*%REC*	1	7/27/2011 03:37 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: N. Bottom **Lab ID:** 1107568-01
Collection Date: 7/15/2011 02:40 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	*50.1*		*12-100*	*%REC*	1	7/27/2011 03:37 AM
Surr: 2-Fluorophenol	*56.0*		*33-117*	*%REC*	1	7/27/2011 03:37 AM
Surr: 4-Terphenyl-d14	*63.8*		*25-137*	*%REC*	1	7/27/2011 03:37 AM
Surr: Nitrobenzene-d5	*51.3*		*37-107*	*%REC*	1	7/27/2011 03:37 AM
Surr: Phenol-d6	*57.6*		*40-106*	*%REC*	1	7/27/2011 03:37 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260**		Prep Date: **7/25/2011**	Analyst: **BG**
Benzene	ND		60	µg/Kg-dry	1	7/27/2011 04:23 AM
Ethylbenzene	ND		60	µg/Kg-dry	1	7/27/2011 04:23 AM
m,p-Xylene	**200**		**120**	**µg/Kg-dry**	1	7/27/2011 04:23 AM
o-Xylene	ND		60	µg/Kg-dry	1	7/27/2011 04:23 AM
Toluene	ND		60	µg/Kg-dry	1	7/27/2011 04:23 AM
Xylenes, Total	**200**		**180**	**µg/Kg-dry**	1	7/27/2011 04:23 AM
Surr: 1,2-Dichloroethane-d4	*103*		*70-120*	*%REC*	1	7/27/2011 04:23 AM
Surr: 4-Bromofluorobenzene	*98.3*		*75-120*	*%REC*	1	7/27/2011 04:23 AM
Surr: Dibromofluoromethane	*95.4*		*85-115*	*%REC*	1	7/27/2011 04:23 AM
Surr: Toluene-d8	*99.6*		*85-120*	*%REC*	1	7/27/2011 04:23 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**27**			**mg/L-dry**	1	7/28/2011 08:08 AM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep Date: **7/25/2011**	Analyst: **MB**
Chromium, Hexavalent	ND		0.63	mg/Kg-dry	1	7/27/2011 03:00 PM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**22**		**0.050**	**% of sample**	1	7/22/2011 01:45 PM
PH			**SW9045D**			Analyst: **KV**
pH	**8.60**	H		**s.u.**	1	7/22/2011 09:00 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: E. Wall **Lab ID:** 1107568-02
Collection Date: 7/15/2011 02:25 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **7/25/2011**	Analyst: **RM**
DRO (C10-C28)	**53**		**5.2**	**mg/Kg-dry**	1	7/26/2011 05:29 PM
Surr: 4-Terphenyl-d14	*85.6*		*39-115*	*%REC*	1	7/26/2011 05:29 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**			Analyst: **RM**
GRO (C6-C10)	ND		3.2	mg/Kg-dry	50	7/27/2011 02:22 PM
Surr: Toluene-d8	*111*		*50-150*	*%REC*	50	7/27/2011 02:22 PM
MERCURY BY CVAA			**SW7471**		Prep Date: **7/26/2011**	Analyst: **LR**
Mercury	**0.066**		**0.022**	**mg/Kg-dry**	1	7/26/2011 02:36 PM
METALS BY ICP-MS			**SW6020A**		Prep Date: **7/25/2011**	Analyst: **CES**
Arsenic	**8.7**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
Barium	**540**		**10**	**mg/Kg-dry**	20	7/26/2011 01:54 PM
Cadmium	**0.45**		**0.40**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
Chromium	**25**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
Copper	**27**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
Lead	**16**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
Nickel	**18**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
Selenium	**1.2**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
Silver	ND		1.0	mg/Kg-dry	2	7/25/2011 09:18 PM
Zinc	**61**		**2.0**	**mg/Kg-dry**	2	7/25/2011 09:18 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**See report**			**as noted**	1	7/28/2011
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep Date: **7/25/2011**	Analyst: **HL**
Acenaphthene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Anthracene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Benzo(a)anthracene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Benzo(a)pyrene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Benzo(b)fluoranthene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Benzo(g,h,i)perylene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Benzo(k)fluoranthene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Chrysene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Dibenzo(a,h)anthracene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Fluoranthene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Fluorene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Indeno(1,2,3-cd)pyrene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Naphthalene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Pyrene	ND		37	µg/Kg-dry	1	7/27/2011 01:26 AM
Surr: 2,4,6-Tribromophenol	*72.1*		*34-140*	*%REC*	1	7/27/2011 01:26 AM

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

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: E. Wall **Lab ID:** 1107568-02
Collection Date: 7/15/2011 02:25 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	*56.3*		*12-100*	*%REC*	1	7/27/2011 01:26 AM
Surr: 2-Fluorophenol	*65.7*		*33-117*	*%REC*	1	7/27/2011 01:26 AM
Surr: 4-Terphenyl-d14	*67.3*		*25-137*	*%REC*	1	7/27/2011 01:26 AM
Surr: Nitrobenzene-d5	*60.2*		*37-107*	*%REC*	1	7/27/2011 01:26 AM
Surr: Phenol-d6	*65.8*		*40-106*	*%REC*	1	7/27/2011 01:26 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260**		Prep Date: **7/25/2011**	Analyst: **BG**
Benzene	ND		60	µg/Kg-dry	1	7/27/2011 04:48 AM
Ethylbenzene	ND		60	µg/Kg-dry	1	7/27/2011 04:48 AM
m,p-Xylene	ND		120	µg/Kg-dry	1	7/27/2011 04:48 AM
o-Xylene	ND		60	µg/Kg-dry	1	7/27/2011 04:48 AM
Toluene	ND		60	µg/Kg-dry	1	7/27/2011 04:48 AM
Xylenes, Total	ND		180	µg/Kg-dry	1	7/27/2011 04:48 AM
Surr: 1,2-Dichloroethane-d4	*103*		*70-120*	*%REC*	1	7/27/2011 04:48 AM
Surr: 4-Bromofluorobenzene	*97.4*		*75-120*	*%REC*	1	7/27/2011 04:48 AM
Surr: Dibromofluoromethane	*95.0*		*85-115*	*%REC*	1	7/27/2011 04:48 AM
Surr: Toluene-d8	*99.2*		*85-120*	*%REC*	1	7/27/2011 04:48 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**26**			**mg/L-dry**	1	7/28/2011 08:08 AM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep Date: **7/25/2011**	Analyst: **MB**
Chromium, Hexavalent	ND		0.63	mg/Kg-dry	1	7/27/2011 03:00 PM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**22**		**0.050**	**% of sample**	1	7/22/2011 01:45 PM
PH			**SW9045D**			Analyst: **KV**
pH	**8.49**	H		**s.u.**	1	7/22/2011 09:00 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: S. Bottom **Lab ID:** 1107568-03
Collection Date: 7/15/2011 02:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **7/25/2011**	Analyst: **RM**
DRO (C10-C28)	**17**		**5.5**	**mg/Kg-dry**	1	7/26/2011 05:52 PM
Surr: 4-Terphenyl-d14	*55.3*		*39-115*	*%REC*	1	7/26/2011 05:52 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**			Analyst: **RM**
GRO (C6-C10)	ND		3.4	mg/Kg-dry	50	7/27/2011 02:48 PM
Surr: Toluene-d8	*108*		*50-150*	*%REC*	50	7/27/2011 02:48 PM
MERCURY BY CVAA			**SW7471**		Prep Date: **7/26/2011**	Analyst: **LR**
Mercury	**0.039**		**0.025**	**mg/Kg-dry**	1	7/26/2011 02:42 PM
METALS BY ICP-MS			**SW6020A**		Prep Date: **7/25/2011**	Analyst: **CES**
Arsenic	**5.4**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
Barium	**860**		**10**	**mg/Kg-dry**	20	7/26/2011 02:24 PM
Cadmium	**0.52**		**0.40**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
Chromium	**13**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
Copper	**17**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
Lead	**12**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
Nickel	**11**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
Selenium	**1.0**		**1.0**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
Silver	ND		1.0	mg/Kg-dry	2	7/25/2011 09:24 PM
Zinc	**49**		**2.0**	**mg/Kg-dry**	2	7/25/2011 09:24 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**See report**			**as noted**	1	7/28/2011
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep Date: **7/25/2011**	Analyst: **HL**
Acenaphthene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Anthracene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Benzo(a)anthracene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Benzo(a)pyrene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Benzo(b)fluoranthene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Benzo(g,h,i)perylene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Benzo(k)fluoranthene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Chrysene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Dibenzo(a,h)anthracene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Fluoranthene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Fluorene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Indeno(1,2,3-cd)pyrene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Naphthalene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Pyrene	ND		40	µg/Kg-dry	1	7/27/2011 01:52 AM
Surr: 2,4,6-Tribromophenol	*65.4*		*34-140*	*%REC*	1	7/27/2011 01:52 AM

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

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: S. Bottom **Lab ID:** 1107568-03
Collection Date: 7/15/2011 02:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	*49.9*		*12-100*	*%REC*	1	7/27/2011 01:52 AM
Surr: 2-Fluorophenol	*65.9*		*33-117*	*%REC*	1	7/27/2011 01:52 AM
Surr: 4-Terphenyl-d14	*57.8*		*25-137*	*%REC*	1	7/27/2011 01:52 AM
Surr: Nitrobenzene-d5	*60.6*		*37-107*	*%REC*	1	7/27/2011 01:52 AM
Surr: Phenol-d6	*66.4*		*40-106*	*%REC*	1	7/27/2011 01:52 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260**		Prep Date: **7/25/2011**	Analyst: **BG**
Benzene	ND		69	µg/Kg-dry	1	7/27/2011 05:13 AM
Ethylbenzene	ND		69	µg/Kg-dry	1	7/27/2011 05:13 AM
m,p-Xylene	ND		140	µg/Kg-dry	1	7/27/2011 05:13 AM
o-Xylene	ND		69	µg/Kg-dry	1	7/27/2011 05:13 AM
Toluene	ND		69	µg/Kg-dry	1	7/27/2011 05:13 AM
Xylenes, Total	ND		210	µg/Kg-dry	1	7/27/2011 05:13 AM
Surr: 1,2-Dichloroethane-d4	*102*		*70-120*	*%REC*	1	7/27/2011 05:13 AM
Surr: 4-Bromofluorobenzene	*98.8*		*75-120*	*%REC*	1	7/27/2011 05:13 AM
Surr: Dibromofluoromethane	*94.0*		*85-115*	*%REC*	1	7/27/2011 05:13 AM
Surr: Toluene-d8	*100*		*85-120*	*%REC*	1	7/27/2011 05:13 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**13**			**mg/L-dry**	1	7/28/2011 08:08 AM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep Date: **7/25/2011**	Analyst: **MB**
Chromium, Hexavalent	ND		0.67	mg/Kg-dry	1	7/27/2011 03:00 PM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**26**		**0.050**	**% of sample**	1	7/22/2011 01:45 PM
PH			**SW9045D**			Analyst: **KV**
pH	**8.46**	H		**s.u.**	1	7/22/2011 09:00 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: S. Wall **Lab ID:** 1107568-04
Collection Date: 7/15/2011 02:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **7/25/2011**	Analyst: **RM**
DRO (C10-C28)	**7.7**		**5.1**	**mg/Kg-dry**	1	7/26/2011 05:52 PM
Surr: 4-Terphenyl-d14	*80.1*		*39-115*	*%REC*	1	7/26/2011 05:52 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**			Analyst: **RM**
GRO (C6-C10)	ND		3.1	mg/Kg-dry	50	7/27/2011 03:14 PM
Surr: Toluene-d8	*108*		*50-150*	*%REC*	50	7/27/2011 03:14 PM
MERCURY BY CVAA			**SW7471**		Prep Date: **7/26/2011**	Analyst: **LR**
Mercury	**0.039**		**0.021**	**mg/Kg-dry**	1	7/26/2011 02:55 PM
METALS BY ICP-MS			**SW6020A**		Prep Date: **7/25/2011**	Analyst: **CES**
Arsenic	**9.6**		**0.92**	**mg/Kg-dry**	2	7/25/2011 09:54 PM
Barium	**540**		**9.2**	**mg/Kg-dry**	20	7/26/2011 02:30 PM
Cadmium	ND		0.37	mg/Kg-dry	2	7/25/2011 09:54 PM
Chromium	**25**		**0.92**	**mg/Kg-dry**	2	7/25/2011 09:54 PM
Copper	**23**		**0.92**	**mg/Kg-dry**	2	7/25/2011 09:54 PM
Lead	**21**		**9.2**	**mg/Kg-dry**	20	7/26/2011 02:30 PM
Nickel	**21**		**0.92**	**mg/Kg-dry**	2	7/25/2011 09:54 PM
Selenium	**1.1**		**0.92**	**mg/Kg-dry**	2	7/25/2011 09:54 PM
Silver	ND		0.92	mg/Kg-dry	2	7/25/2011 09:54 PM
Zinc	**63**		**1.8**	**mg/Kg-dry**	2	7/25/2011 09:54 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**See report**			**as noted**	1	7/28/2011
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep Date: **7/25/2011**	Analyst: **HL**
Acenaphthene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Anthracene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Benzo(a)anthracene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Benzo(a)pyrene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Benzo(b)fluoranthene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Benzo(g,h,i)perylene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Benzo(k)fluoranthene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Chrysene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Dibenzo(a,h)anthracene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Fluoranthene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Fluorene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Indeno(1,2,3-cd)pyrene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Naphthalene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Pyrene	ND		37	µg/Kg-dry	1	7/27/2011 02:18 AM
Surr: 2,4,6-Tribromophenol	*63.0*		*34-140*	*%REC*	1	7/27/2011 02:18 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: S. Wall **Lab ID:** 1107568-04
Collection Date: 7/15/2011 02:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	*48.1*		*12-100*	*%REC*	1	7/27/2011 02:18 AM
Surr: 2-Fluorophenol	*59.5*		*33-117*	*%REC*	1	7/27/2011 02:18 AM
Surr: 4-Terphenyl-d14	*61.4*		*25-137*	*%REC*	1	7/27/2011 02:18 AM
Surr: Nitrobenzene-d5	*52.3*		*37-107*	*%REC*	1	7/27/2011 02:18 AM
Surr: Phenol-d6	*59.8*		*40-106*	*%REC*	1	7/27/2011 02:18 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260**		Prep Date: **7/25/2011**	Analyst: **BG**
Benzene	ND		57	µg/Kg-dry	1	7/27/2011 05:38 AM
Ethylbenzene	ND		57	µg/Kg-dry	1	7/27/2011 05:38 AM
m,p-Xylene	ND		110	µg/Kg-dry	1	7/27/2011 05:38 AM
o-Xylene	ND		57	µg/Kg-dry	1	7/27/2011 05:38 AM
Toluene	ND		57	µg/Kg-dry	1	7/27/2011 05:38 AM
Xylenes, Total	ND		170	µg/Kg-dry	1	7/27/2011 05:38 AM
Surr: 1,2-Dichloroethane-d4	*102*		*70-120*	*%REC*	1	7/27/2011 05:38 AM
Surr: 4-Bromofluorobenzene	*96.7*		*75-120*	*%REC*	1	7/27/2011 05:38 AM
Surr: Dibromofluoromethane	*93.5*		*85-115*	*%REC*	1	7/27/2011 05:38 AM
Surr: Toluene-d8	*100*		*85-120*	*%REC*	1	7/27/2011 05:38 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**25**			**mg/L-dry**	1	7/28/2011 08:08 AM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep Date: **7/25/2011**	Analyst: **MB**
Chromium, Hexavalent	ND		0.61	mg/Kg-dry	1	7/27/2011 03:00 PM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**20**		**0.050**	**% of sample**	1	7/22/2011 01:45 PM
PH			**SW9045D**			Analyst: **KV**
pH	**8.73**	H		**s.u.**	1	7/22/2011 09:00 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: N. Wall **Lab ID:** 1107568-05
Collection Date: 7/15/2011 02:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **7/25/2011**	Analyst: **RM**
DRO (C10-C28)	**23**		**5.3**	**mg/Kg-dry**	1	7/26/2011 06:15 PM
Surr: 4-Terphenyl-d14	*88.7*		*39-115*	*%REC*	1	7/26/2011 06:15 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**			Analyst: **RM**
GRO (C6-C10)	ND		3.2	mg/Kg-dry	50	7/27/2011 03:40 PM
Surr: Toluene-d8	*110*		*50-150*	*%REC*	50	7/27/2011 03:40 PM
MERCURY BY CVAA			**SW7471**		Prep Date: **7/26/2011**	Analyst: **LR**
Mercury	**0.041**		**0.022**	**mg/Kg-dry**	1	7/26/2011 03:02 PM
METALS BY ICP-MS			**SW6020A**		Prep Date: **7/25/2011**	Analyst: **CES**
Arsenic	**13**		**0.94**	**mg/Kg-dry**	2	7/25/2011 10:00 PM
Barium	**760**		**9.4**	**mg/Kg-dry**	20	7/26/2011 02:36 PM
Cadmium	**0.40**		**0.38**	**mg/Kg-dry**	2	7/25/2011 10:00 PM
Chromium	**26**		**0.94**	**mg/Kg-dry**	2	7/25/2011 10:00 PM
Copper	**24**		**0.94**	**mg/Kg-dry**	2	7/25/2011 10:00 PM
Lead	**21**		**9.4**	**mg/Kg-dry**	20	7/26/2011 02:36 PM
Nickel	**19**		**0.94**	**mg/Kg-dry**	2	7/25/2011 10:00 PM
Selenium	**1.4**		**0.94**	**mg/Kg-dry**	2	7/25/2011 10:00 PM
Silver	ND		0.94	mg/Kg-dry	2	7/25/2011 10:00 PM
Zinc	**69**		**1.9**	**mg/Kg-dry**	2	7/25/2011 10:00 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**See report**			**as noted**	1	7/28/2011
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep Date: **7/25/2011**	Analyst: **HL**
Acenaphthene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Anthracene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Benzo(a)anthracene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Benzo(a)pyrene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Benzo(b)fluoranthene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Benzo(g,h,i)perylene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Benzo(k)fluoranthene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Chrysene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Dibenzo(a,h)anthracene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Fluoranthene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Fluorene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Indeno(1,2,3-cd)pyrene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Naphthalene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Pyrene	ND		38	µg/Kg-dry	1	7/27/2011 02:45 AM
Surr: 2,4,6-Tribromophenol	*69.8*		*34-140*	*%REC*	1	7/27/2011 02:45 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: N. Wall **Lab ID:** 1107568-05
Collection Date: 7/15/2011 02:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	*57.8*		*12-100*	*%REC*	1	7/27/2011 02:45 AM
Surr: 2-Fluorophenol	*66.8*		*33-117*	*%REC*	1	7/27/2011 02:45 AM
Surr: 4-Terphenyl-d14	*66.9*		*25-137*	*%REC*	1	7/27/2011 02:45 AM
Surr: Nitrobenzene-d5	*60.5*		*37-107*	*%REC*	1	7/27/2011 02:45 AM
Surr: Phenol-d6	*68.0*		*40-106*	*%REC*	1	7/27/2011 02:45 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260**		Prep Date: **7/25/2011**	Analyst: **BG**
Benzene	ND		59	µg/Kg-dry	1	7/27/2011 06:03 AM
Ethylbenzene	ND		59	µg/Kg-dry	1	7/27/2011 06:03 AM
m,p-Xylene	ND		120	µg/Kg-dry	1	7/27/2011 06:03 AM
o-Xylene	ND		59	µg/Kg-dry	1	7/27/2011 06:03 AM
Toluene	ND		59	µg/Kg-dry	1	7/27/2011 06:03 AM
Xylenes, Total	ND		180	µg/Kg-dry	1	7/27/2011 06:03 AM
Surr: 1,2-Dichloroethane-d4	*101*		*70-120*	*%REC*	1	7/27/2011 06:03 AM
Surr: 4-Bromofluorobenzene	*96.6*		*75-120*	*%REC*	1	7/27/2011 06:03 AM
Surr: Dibromofluoromethane	*93.5*		*85-115*	*%REC*	1	7/27/2011 06:03 AM
Surr: Toluene-d8	*99.0*		*85-120*	*%REC*	1	7/27/2011 06:03 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**25**			**mg/L-dry**	1	7/28/2011 08:08 AM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep Date: **7/25/2011**	Analyst: **MB**
Chromium, Hexavalent	ND		0.63	mg/Kg-dry	1	7/27/2011 03:00 PM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**21**		**0.050**	**% of sample**	1	7/22/2011 01:45 PM
PH			**SW9045D**			Analyst: **KV**
pH	**8.33**	H		**s.u.**	1	7/22/2011 09:00 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: W. Wall **Lab ID:** 1107568-06
Collection Date: 7/15/2011 02:35 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **7/25/2011**	Analyst: **RM**
DRO (C10-C28)	**16**		**5.0**	**mg/Kg-dry**	1	7/26/2011 06:15 PM
Surr: 4-Terphenyl-d14	*91.5*		*39-115*	*%REC*	1	7/26/2011 06:15 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**			Analyst: **RM**
GRO (C6-C10)	ND		3.1	mg/Kg-dry	50	7/27/2011 04:06 PM
Surr: Toluene-d8	*113*		*50-150*	*%REC*	50	7/27/2011 04:06 PM
MERCURY BY CVAA			**SW7471**		Prep Date: **7/26/2011**	Analyst: **LR**
Mercury	**0.041**		**0.020**	**mg/Kg-dry**	1	7/26/2011 03:04 PM
METALS BY ICP-MS			**SW6020A**		Prep Date: **7/25/2011**	Analyst: **CES**
Arsenic	**8.0**		**0.91**	**mg/Kg-dry**	2	7/25/2011 10:06 PM
Barium	**630**		**9.1**	**mg/Kg-dry**	20	7/26/2011 02:42 PM
Cadmium	**0.40**		**0.36**	**mg/Kg-dry**	2	7/25/2011 10:06 PM
Chromium	**27**		**0.91**	**mg/Kg-dry**	2	7/25/2011 10:06 PM
Copper	**22**		**0.91**	**mg/Kg-dry**	2	7/25/2011 10:06 PM
Lead	**20**		**9.1**	**mg/Kg-dry**	20	7/26/2011 02:42 PM
Nickel	**18**		**0.91**	**mg/Kg-dry**	2	7/25/2011 10:06 PM
Selenium	**1.2**		**0.91**	**mg/Kg-dry**	2	7/25/2011 10:06 PM
Silver	ND		0.91	mg/Kg-dry	2	7/25/2011 10:06 PM
Zinc	**59**		**1.8**	**mg/Kg-dry**	2	7/25/2011 10:06 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**See report**			**as noted**	1	7/28/2011
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep Date: **7/25/2011**	Analyst: **HL**
Acenaphthene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Anthracene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Benzo(a)anthracene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Benzo(a)pyrene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Benzo(b)fluoranthene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Benzo(g,h,i)perylene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Benzo(k)fluoranthene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Chrysene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Dibenzo(a,h)anthracene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Fluoranthene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Fluorene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Indeno(1,2,3-cd)pyrene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Naphthalene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Pyrene	ND		36	µg/Kg-dry	1	7/27/2011 03:11 AM
Surr: 2,4,6-Tribromophenol	*67.8*		*34-140*	*%REC*	1	7/27/2011 03:11 AM

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

ALS Group USA, Corp

Date: *29-Jul-11*

Client: HRL Compliance Solutions
Project: Williams TR 11-6-697 Pad LOE 7/15/11 **Work Order:** 1107568
Sample ID: W. Wall **Lab ID:** 1107568-06
Collection Date: 7/15/2011 02:35 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	*48.7*		*12-100*	*%REC*	1	7/27/2011 03:11 AM
Surr: 2-Fluorophenol	*62.8*		*33-117*	*%REC*	1	7/27/2011 03:11 AM
Surr: 4-Terphenyl-d14	*65.4*		*25-137*	*%REC*	1	7/27/2011 03:11 AM
Surr: Nitrobenzene-d5	*54.5*		*37-107*	*%REC*	1	7/27/2011 03:11 AM
Surr: Phenol-d6	*67.7*		*40-106*	*%REC*	1	7/27/2011 03:11 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260**		Prep Date: **7/25/2011**	Analyst: **BG**
Benzene	ND		56	µg/Kg-dry	1	7/27/2011 06:28 AM
Ethylbenzene	ND		56	µg/Kg-dry	1	7/27/2011 06:28 AM
m,p-Xylene	ND		110	µg/Kg-dry	1	7/27/2011 06:28 AM
o-Xylene	ND		56	µg/Kg-dry	1	7/27/2011 06:28 AM
Toluene	ND		56	µg/Kg-dry	1	7/27/2011 06:28 AM
Xylenes, Total	ND		170	µg/Kg-dry	1	7/27/2011 06:28 AM
Surr: 1,2-Dichloroethane-d4	*101*		*70-120*	*%REC*	1	7/27/2011 06:28 AM
Surr: 4-Bromofluorobenzene	*96.0*		*75-120*	*%REC*	1	7/27/2011 06:28 AM
Surr: Dibromofluoromethane	*93.2*		*85-115*	*%REC*	1	7/27/2011 06:28 AM
Surr: Toluene-d8	*99.6*		*85-120*	*%REC*	1	7/27/2011 06:28 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**26**			**mg/L-dry**	1	7/28/2011 08:08 AM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep Date: **7/25/2011**	Analyst: **MB**
Chromium, Hexavalent	ND		0.62	mg/Kg-dry	1	7/27/2011 03:00 PM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**20**		**0.050**	**% of sample**	1	7/22/2011 01:45 PM
PH			**SW9045D**			Analyst: **KV**
pH	**8.88**	H		**s.u.**	1	7/22/2011 09:00 AM

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

Report Number: F11207-0343
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: 1107568

DATE RECEIVED: 07/26/2011
DATE REPORTED: 07/28/2011
PAGE: 1
P.O. NUMBER: 20-122010445

ATTN: ANN PRESTON

REPORT OF ANALYSIS

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
37078	01C	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	0.42	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	33	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	11	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	159	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	6.1	-	USDA Handbook 60
37079	02C	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	0.44	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	43	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	14	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	74	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	2.5	-	USDA Handbook 60
37080	03C	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	5.39	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	140	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	35	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	2689	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	52.5	-	USDA Handbook 60
37081	04C	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	0.21	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	16	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	6	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	111	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	6.0	-	USDA Handbook 60

Report Number: F11207-0343
Acount Number: 91000

A & L GREAT LAKES LABORATORIES, INC.

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QUALITY ANALYSES FOR INFORMED DECISIONS

TO: ALS LABORATORY GROUP
3352 128TH AVE
HOLLAND, MI 49424-9263

RE: 1107568

DATE RECEIVED: 07/26/2011
DATE REPORTED: 07/28/2011
PAGE: 2
P.O. NUMBER: 20-122010445

ATTN: ANN PRESTON

REPORT OF ANALYSIS

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
37082	05C	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	2.28	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	154	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	46	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	915	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	16.6	-	USDA Handbook 60
37083	06C	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	0.22	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	20	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	7	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	69	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	3.4	-	USDA Handbook 60

ALS Group USA, Corp

Date: *29-Jun-11*

Client: HRL Compliance Solutions
Project: Williams TR 41-6-597 Pit Closure 6/20/11 **Work Order:** 1106585
Sample ID: BKGD 1 **Lab ID:** 1106585-07
Collection Date: 6/21/2011 01:15 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **6/24/2011**	Analyst: **RH**
Arsenic	**5.8**		**0.80**	**mg/Kg-dry**	2	6/24/2011 06:50 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**Rcvd 6/27/11**			**attached**	1	6/27/2011
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**11**		**0.050**	**% of sample**	1	6/22/2011 12:10 PM
PH			**SW9045D**			Analyst: **JS**
pH	**7.29**			**s.u.**	1	6/22/2011 08:30 AM

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

ALS Group USA, Corp

Date: *29-Jun-11*

Client: HRL Compliance Solutions
Project: Williams TR 41-6-597 Pit Closure 6/20/11 **Work Order:** 1106585
Sample ID: BKGD 2 **Lab ID:** 1106585-08
Collection Date: 6/21/2011 01:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **6/24/2011**	Analyst: **RH**
Arsenic	**7.6**		**0.88**	**mg/Kg-dry**	2	6/25/2011 08:39 AM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**15**		**0.050**	**% of sample**	1	6/22/2011 12:10 PM

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

ALS Group USA, Corp

Date: *29-Jun-11*

Client: HRL Compliance Solutions
Project: Williams TR 41-6-597 Pit Closure 6/20/11
Work Order: 1106585
Sample ID: BKGD 3
Lab ID: 1106585-09
Collection Date: 6/21/2011 01:30 PM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **6/24/2011**	Analyst: **RH**
Arsenic	**6.3**		**0.77**	**mg/Kg-dry**	2	6/25/2011 08:45 AM
MOISTURE			**A2540 G**			Analyst: **JS**
Moisture	**3.0**		**0.050**	**% of sample**	1	6/22/2011 12:10 PM

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

19-Sep-2011

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

Re: **TR 11-6-697 Pad LOE 9/9/11** Work Order: **1109293**

Dear Kris,

ALS Environmental received 4 samples on 10-Sep-2011 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 34.

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: 19-Sep-11

Client: HRL Compliance Solutions
Project: TR 11-6-697 Pad LOE 9/9/11
Work Order: **1109293**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1109293-01	TR 11-6-697 Treatment Cell Composite	Soil		9/9/2011 11:00	9/10/2011 10:00	☐
1109293-02	TR 11-6-697 BG 1	Soil		9/9/2011 10:30	9/10/2011 10:00	☐
1109293-03	TR 11-6-697 BG 2	Soil		9/9/2011 10:35	9/10/2011 10:00	☐
1109293-04	TR 11-6-697 BG 3	Soil		9/9/2011 10:40	9/10/2011 10:00	☐

Client: HRL Compliance Solutions
Project: TR 11-6-697 Pad LOE 9/9/11
Work Order: 1109293

Case Narrative

Batch 35529 MS/MSD data for Mercury is not related to this project's samples.

Batch 35494 MS/MSD data for Metals is not related to this project's samples.

Batch 35487 MS/MSD data for PAHs is not related to this project's samples.

Batch 35514 MS/MSD data for Hexavalent Chromium is not related to this project's samples.

ALS Group USA, Corp

Date: 19-Sep-11

Client: HRL Compliance Solutions
Project: TR 11-6-697 Pad LOE 9/9/11
WorkOrder: **1109293**

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
µg/Kg-dry	Micrograms per Kilogram Dry Weight
as noted	
mg/Kg-dry	Milligrams per Kilogram Dry Weight
s.u.	Standard Units

ALS Group USA, Corp

Date: *19-Sep-11*

Client: HRL Compliance Solutions
Project: TR 11-6-697 Pad LOE 9/9/11 **Work Order:** 1109293
Sample ID: TR 11-6-697 Treatment Cell Composite **Lab ID:** 1109293-01
Collection Date: 9/9/2011 11:00 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep Date: **9/17/2011**	Analyst: **RM**
DRO (C10-C28)	**81**		**5.0**	**mg/Kg-dry**	1	9/19/2011 07:59 AM
Surr: 4-Terphenyl-d14	*58.7*		*39-115*	*%REC*	1	9/19/2011 07:59 AM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015**			Analyst: **RM**
GRO (C6-C10)	ND		6.1	mg/Kg-dry	100	9/14/2011 07:05 AM
Surr: Toluene-d8	*98.9*		*50-150*	*%REC*	100	9/14/2011 07:05 AM
MERCURY BY CVAA			**SW7471**		Prep Date: **9/14/2011**	Analyst: **LR**
Mercury	**0.060**		**0.021**	**mg/Kg-dry**	1	9/15/2011 11:41 AM
METALS BY ICP-MS			**SW6020A**		Prep Date: **9/13/2011**	Analyst: **CES**
Arsenic	**10**		**0.94**	**mg/Kg-dry**	2	9/16/2011 01:59 PM
Barium	**750**		**9.4**	**mg/Kg-dry**	20	9/16/2011 03:45 PM
Cadmium	**0.46**		**0.37**	**mg/Kg-dry**	2	9/16/2011 01:59 PM
Chromium	**32**		**0.94**	**mg/Kg-dry**	2	9/16/2011 01:59 PM
Copper	**26**		**0.94**	**mg/Kg-dry**	2	9/16/2011 01:59 PM
Lead	**20**		**0.94**	**mg/Kg-dry**	2	9/16/2011 01:59 PM
Nickel	**20**		**0.94**	**mg/Kg-dry**	2	9/16/2011 01:59 PM
Selenium	**0.95**		**0.94**	**mg/Kg-dry**	2	9/16/2011 01:59 PM
Silver	ND		0.94	mg/Kg-dry	2	9/16/2011 01:59 PM
Zinc	**59**		**1.9**	**mg/Kg-dry**	2	9/16/2011 01:59 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**Rcvd 9/15/11**			**as noted**	1	9/15/2011
SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270**		Prep Date: **9/17/2011**	Analyst: **HL**
Acenaphthene	ND		36	µg/Kg-dry	1	9/18/2011 07:51 PM
Anthracene	ND		36	µg/Kg-dry	1	9/18/2011 07:51 PM
Benzo(a)anthracene	ND		36	µg/Kg-dry	1	9/18/2011 07:51 PM
Benzo(a)pyrene	ND		36	µg/Kg-dry	1	9/18/2011 07:51 PM
Benzo(b)fluoranthene	ND		36	µg/Kg-dry	1	9/18/2011 07:51 PM
Benzo(g,h,i)perylene	ND		36	µg/Kg-dry	1	9/18/2011 07:51 PM
Benzo(k)fluoranthene	ND		36	µg/Kg-dry	1	9/18/2011 07:51 PM
Chrysene	ND		36	µg/Kg-dry	1	9/18/2011 07:51 PM
Dibenzo(a,h)anthracene	ND		36	µg/Kg-dry	1	9/18/2011 07:51 PM
Fluoranthene	ND		36	µg/Kg-dry	1	9/18/2011 07:51 PM
Fluorene	ND		36	µg/Kg-dry	1	9/18/2011 07:51 PM
Indeno(1,2,3-cd)pyrene	ND		36	µg/Kg-dry	1	9/18/2011 07:51 PM
Naphthalene	ND		36	µg/Kg-dry	1	9/18/2011 07:51 PM
Pyrene	ND		36	µg/Kg-dry	1	9/18/2011 07:51 PM
Surr: 2,4,6-Tribromophenol	*92.8*		*34-140*	*%REC*	1	9/18/2011 07:51 PM

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

Client: HRL Compliance Solutions
Project: TR 11-6-697 Pad LOE 9/9/11 **Work Order:** 1109293
Sample ID: TR 11-6-697 Treatment Cell Composite **Lab ID:** 1109293-01
Collection Date: 9/9/2011 11:00 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 2-Fluorobiphenyl	*66.1*		*12-100*	*%REC*	1	9/18/2011 07:51 PM
Surr: 2-Fluorophenol	*75.6*		*33-117*	*%REC*	1	9/18/2011 07:51 PM
Surr: 4-Terphenyl-d14	*82.4*		*25-137*	*%REC*	1	9/18/2011 07:51 PM
Surr: Nitrobenzene-d5	*64.3*		*37-107*	*%REC*	1	9/18/2011 07:51 PM
Surr: Phenol-d6	*71.1*		*40-106*	*%REC*	1	9/18/2011 07:51 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260**			Analyst: **BG**
Benzene	ND		120	µg/Kg-dry	100	9/14/2011 06:10 AM
Ethylbenzene	ND		240	µg/Kg-dry	100	9/14/2011 06:10 AM
m,p-Xylene	ND		240	µg/Kg-dry	100	9/14/2011 06:10 AM
o-Xylene	ND		120	µg/Kg-dry	100	9/14/2011 06:10 AM
Toluene	ND		180	µg/Kg-dry	100	9/14/2011 06:10 AM
Xylenes, Total	ND		360	µg/Kg-dry	100	9/14/2011 06:10 AM
Surr: 1,2-Dichloroethane-d4	*102*		*70-120*	*%REC*	100	9/14/2011 06:10 AM
Surr: 4-Bromofluorobenzene	*101*		*75-120*	*%REC*	100	9/14/2011 06:10 AM
Surr: Dibromofluoromethane	*94.1*		*85-115*	*%REC*	100	9/14/2011 06:10 AM
Surr: Toluene-d8	*95.3*		*85-115*	*%REC*	100	9/14/2011 06:10 AM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JJG**
Chromium, Trivalent	**32**			**mg/kg-dry**	1	9/16/2011 03:52 PM
CHROMIUM, HEXAVALENT			**SW7196A**		Prep Date: **9/13/2011**	Analyst: **MB**
Chromium, Hexavalent	ND		0.60	mg/Kg-dry	1	9/15/2011 05:00 PM
MOISTURE			**A2540 G**			Analyst: **CG**
Moisture	**17**		**0.050**	**% of sample**	1	9/14/2011 01:15 PM
PH			**SW9045D**			Analyst: **NZ**
pH	**8.34**			**s.u.**	1	9/12/2011 07:30 PM

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

ALS Group USA, Corp

Date: *19-Sep-11*

Client: HRL Compliance Solutions
Project: TR 11-6-697 Pad LOE 9/9/11 **Work Order:** 1109293
Sample ID: TR 11-6-697 BG 1 **Lab ID:** 1109293-02
Collection Date: 9/9/2011 10:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **9/13/2011**	Analyst: **CES**
Arsenic	**9.0**		**0.86**	**mg/Kg-dry**	2	9/16/2011 02:04 PM
MOISTURE			**A2540 G**			Analyst: **CG**
Moisture	**11**		**0.050**	**% of sample**	1	9/14/2011 01:15 PM

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

ALS Group USA, Corp

Date: *19-Sep-11*

Client: HRL Compliance Solutions
Project: TR 11-6-697 Pad LOE 9/9/11 **Work Order:** 1109293
Sample ID: TR 11-6-697 BG 2 **Lab ID:** 1109293-03
Collection Date: 9/9/2011 10:35 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **9/13/2011**	Analyst: **CES**
Arsenic	**11**		**0.94**	**mg/Kg-dry**	2	9/16/2011 02:10 PM
MOISTURE			**A2540 G**			Analyst: **CG**
Moisture	**17**		**0.050**	**% of sample**	1	9/14/2011 01:15 PM

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

ALS Group USA, Corp

Date: *19-Sep-11*

Client: HRL Compliance Solutions
Project: TR 11-6-697 Pad LOE 9/9/11 **Work Order:** 1109293
Sample ID: TR 11-6-697 BG 3 **Lab ID:** 1109293-04
Collection Date: 9/9/2011 10:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			**SW6020A**		Prep Date: **9/13/2011**	Analyst: **CES**
Arsenic	**9.8**		**0.92**	**mg/Kg-dry**	2	9/16/2011 02:15 PM
SUBCONTRACTED ANALYSES			**SUBCONTRACT**			Analyst: **A&LGL**
Subcontracted Analyses	**Rcvd 9/15/11**			**as noted**	1	9/15/2011
MOISTURE			**A2540 G**			Analyst: **CG**
Moisture	**22**		**0.050**	**% of sample**	1	9/14/2011 01:15 PM
PH			**SW9045D**			Analyst: **NZ**
pH	**7.33**			**s.u.**	1	9/12/2011 07:30 PM

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

ALS Group USA, Corp

Date: 19-Sep-11

Client: HRL Compliance Solutions

QC BATCH REPORT

Work Order: 1109293

Project: TR 11-6-697 Pad LOE 9/9/11

Batch ID: **35610** Instrument ID **GC8** Method: **SW8015M**

MBLK Sample ID: **DBLKS1-35610-35610** Units: **mg/Kg** Analysis Date: **9/19/2011 07:15 AM**

Client ID: Run ID: **GC8_110919A** SeqNo: **1739873** Prep Date: **9/17/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	5.0								
Surr: 4-Terphenyl-d14	*1.638*	0	*2*	0	*81.9*	*39-115*	0			

The following samples were analyzed in this batch: 1109293-01B

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

Report Number: F11256-0098
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
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QUALITY ANALYSES FOR INFORMED DECISIONS

TO: ALS LABORATORY GROUP
3352 128TH AVE
HOLLAND, MI 49424-9263

RE: 1109292

DATE RECEIVED: 09/13/2011
DATE REPORTED: 09/15/2011
PAGE: 1
P.O. NUMBER: 20-122010735

ATTN: ANN PRESTON

REPORT OF ANALYSIS

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
5665	01C	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	3.09	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	57	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	14	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	2812	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	86.3	-	USDA Handbook 60
5666	02C	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	2.52	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	46	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	11	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	2315	ppm	USDA Handbook 60
		Sodium Adsorption Ratio	79.4	-	USDA Handbook 60

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **R94601** Instrument ID **GC9** Method: **SW8015**

MBLK Sample ID: **MBLK-R94601-R94601** Units: **µg/L** Analysis Date: **9/14/2011 12:10 PM**
Client ID: Run ID: **GC9_110913B** SeqNo: **1733802** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	ND	200								
Surr: Toluene-d8	*103.6*	0	*100*	0	*104*	*70-130*	0			

LCS Sample ID: **LCS-R94601-R94601** Units: **µg/L** Analysis Date: **9/13/2011 10:52 PM**
Client ID: Run ID: **GC9_110913B** SeqNo: **1733800** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	24480	200	25000	0	97.9	70-130	0			
Surr: Toluene-d8	*98.29*	0	*100*	0	*98.3*	*70-130*	0			

LCSD Sample ID: **LCSD-R94601-R94601** Units: **µg/L** Analysis Date: **9/13/2011 11:18 PM**
Client ID: Run ID: **GC9_110913B** SeqNo: **1733801** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	23820	200	25000	0	95.3	70-130	24480	2.74	30	
Surr: Toluene-d8	*98.32*	0	*100*	0	*98.3*	*70-130*	98.29	*0.0305*	*30*	

MS Sample ID: **1109330-06A MS** Units: **µg/Kg** Analysis Date: **9/14/2011 09:15 AM**
Client ID: Run ID: **GC9_110913B** SeqNo: **1733822** Prep Date: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	1244000	2,500	1250000	0	99.5	70-130	0			
Surr: Toluene-d8	*4944*	0	*5000*	0	*98.9*	*50-150*	0			

MSD Sample ID: **1109330-06A MSD** Units: **µg/Kg** Analysis Date: **9/14/2011 09:41 AM**
Client ID: Run ID: **GC9_110913B** SeqNo: **1733823** Prep Date: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	1261000	2,500	1250000	0	101	70-130	1244000	1.37	30	
Surr: Toluene-d8	*5248*	0	*5000*	0	*105*	*50-150*	4944	*5.96*	*30*	

The following samples were analyzed in this batch: 1109293-01A

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **35529** Instrument ID **HG1** Method: **SW7471**

MBLK Sample ID: **MBLK-35529-35529** Units: **mg/Kg** Analysis Date: **9/15/2011 11:28 AM**
Client ID: Run ID: **HG1_110915A** SeqNo: **1734983** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.020								

LCS Sample ID: **LCS-35529-35529** Units: **mg/Kg** Analysis Date: **9/15/2011 11:30 AM**
Client ID: Run ID: **HG1_110915A** SeqNo: **1734984** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1698	0.020	0.1665	0	102	80-120	0			

LCSD Sample ID: **LCSD-35529-35529** Units: **mg/Kg** Analysis Date: **9/15/2011 11:32 AM**
Client ID: Run ID: **HG1_110915A** SeqNo: **1734985** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.17	0.020	0.1665	0	102	80-120	0.1698	0.147	20	

MS Sample ID: **1109376-01AMS** Units: **mg/Kg** Analysis Date: **9/15/2011 12:22 PM**
Client ID: Run ID: **HG1_110915A** SeqNo: **1735020** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.235	0.019	0.1619	0.1915	26.9	75-125	0			S

MSD Sample ID: **1109376-01AMSD** Units: **mg/Kg** Analysis Date: **9/15/2011 12:24 PM**
Client ID: Run ID: **HG1_110915A** SeqNo: **1735022** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.2187	0.018	0.1509	0.1915	18	75-125	0.235	7.17	35	S

The following samples were analyzed in this batch: 1109293-01B

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **35494** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK Sample ID: **MBLK-35494-35494** Units: **mg/Kg** Analysis Date: **9/14/2011 10:17 PM**
Client ID: Run ID: **ICPMS1_110914A** SeqNo: **1734321** Prep Date: **9/13/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	ND	0.10								
Chromium	ND	0.25								
Copper	ND	0.25								
Lead	0.001276	0.25								J
Nickel	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

LCS Sample ID: **LCS-35494-35494** Units: **mg/Kg** Analysis Date: **9/14/2011 10:23 PM**
Client ID: Run ID: **ICPMS1_110914A** SeqNo: **1734324** Prep Date: **9/13/2011** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.402	0.50	5	0	88	80-120	0			
Barium	4.337	0.50	5	0	86.7	80-120	0			
Cadmium	4.387	0.20	5	0	87.7	80-120	0			
Chromium	4.442	0.50	5	0	88.8	80-120	0			
Copper	4.5	0.50	5	0	90	80-120	0			
Lead	4.482	0.50	5	0	89.6	80-120	0			
Nickel	4.566	0.50	5	0	91.3	80-120	0			
Selenium	4.037	0.50	5	0	80.7	80-120	0			
Silver	4.325	0.50	5	0	86.5	80-120	0			
Zinc	4.259	1.0	5	0	85.2	80-120	0			

LCSD Sample ID: **LCSD-35494-35494** Units: **mg/Kg** Analysis Date: **9/14/2011 10:28 PM**
Client ID: Run ID: **ICPMS1_110914A** SeqNo: **1734327** Prep Date: **9/13/2011** DF: **2**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.032	0.50	5	0	80.6	80-120	4.402	8.77	20	
Barium	4.187	0.50	5	0	83.7	80-120	4.337	3.52	20	
Cadmium	4.179	0.20	5	0	83.6	80-120	4.387	4.86	20	
Chromium	4.349	0.50	5	0	87	80-120	4.442	2.12	20	
Copper	4.361	0.50	5	0	87.2	80-120	4.5	3.14	20	
Lead	4.267	0.50	5	0	85.3	80-120	4.482	4.91	20	
Nickel	4.338	0.50	5	0	86.8	80-120	4.566	5.12	20	
Selenium	4.013	0.50	5	0	80.3	80-120	4.037	0.596	20	
Silver	4.164	0.50	5	0	83.3	80-120	4.325	3.79	20	
Zinc	4.165	1.0	5	0	83.3	80-120	4.259	2.23	20	

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **35494** Instrument ID **ICPMS1** Method: **SW6020A**

MS Sample ID: **1109294-02AMS** Units: **mg/Kg** Analysis Date: **9/15/2011 03:29 PM**

Client ID: Run ID: **ICPMS1_110914A** SeqNo: **1735358** Prep Date: **9/13/2011** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	12.2	3.9	7.874	3.504	111	80-120	0			
Barium	282.7	3.9	7.874	302	-246	80-120	0			SO
Cadmium	8.11	1.6	7.874	0.5317	96.2	80-120	0			
Chromium	31.85	3.9	7.874	21	138	80-120	0			S
Copper	25.94	3.9	7.874	14.2	149	80-120	0			S
Lead	21.63	3.9	7.874	13.01	109	80-120	0			
Nickel	25.12	3.9	7.874	19.06	76.9	80-120	0			S
Selenium	7.773	3.9	7.874	0.9547	86.6	80-120	0			
Silver	6.95	3.9	7.874	0.05098	87.6	80-120	0			
Zinc	71.26	7.9	7.874	54.95	207	80-120	0			SO

MSD Sample ID: **1109294-02AMSD** Units: **mg/Kg** Analysis Date: **9/15/2011 03:34 PM**

Client ID: Run ID: **ICPMS1_110914A** SeqNo: **1735359** Prep Date: **9/13/2011** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	8.822	4.0	8.013	3.504	66.4	80-120	12.2	32.2	25	SR
Barium	263.7	4.0	8.013	302	-478	80-120	282.7	6.95	25	SO
Cadmium	7.583	1.6	8.013	0.5317	88	80-120	8.11	6.71	25	
Chromium	33.17	4.0	8.013	21	152	80-120	31.85	4.04	25	S
Copper	23.89	4.0	8.013	14.2	121	80-120	25.94	8.26	25	S
Lead	19.7	4.0	8.013	13.01	83.4	80-120	21.63	9.36	25	
Nickel	24.85	4.0	8.013	19.06	72.2	80-120	25.12	1.08	25	S
Selenium	6.92	4.0	8.013	0.9547	74.4	80-120	7.773	11.6	25	S
Silver	6.619	4.0	8.013	0.05098	82	80-120	6.95	4.88	25	
Zinc	74.76	8.0	8.013	54.95	247	80-120	71.26	4.79	25	SO

The following samples were analyzed in this batch: 1109293-01B 1109293-02A 1109293-03A 1109293-04A

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **35487** Instrument ID **SVMS5** Method: **SW8270**

MBLK Sample ID: **SBLKS1-35487-35487** Units: **µg/Kg** Analysis Date: **9/15/2011 02:37 AM**

Client ID: Run ID: **SVMS5_110914A** SeqNo: **1734718** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	30								
Anthracene	ND	30								
Benzo(a)anthracene	ND	30								
Benzo(a)pyrene	ND	30								
Benzo(b)fluoranthene	ND	30								
Benzo(g,h,i)perylene	ND	30								
Benzo(k)fluoranthene	ND	30								
Chrysene	ND	30								
Dibenzo(a,h)anthracene	ND	30								
Fluoranthene	ND	30								
Fluorene	ND	30								
Indeno(1,2,3-cd)pyrene	ND	30								
Naphthalene	ND	30								
Pyrene	ND	30								
Surr: 2,4,6-Tribromophenol	*1249*	0	*1667*	0	*75*	*34-140*	0			
Surr: 2-Fluorobiphenyl	*1086*	0	*1667*	0	*65.1*	*12-100*	0			
Surr: 2-Fluorophenol	*1183*	0	*1667*	0	*71*	*33-117*	0			
Surr: 4-Terphenyl-d14	*1723*	0	*1667*	0	*103*	*25-137*	0			
Surr: Nitrobenzene-d5	*1064*	0	*1667*	0	*63.8*	*37-107*	0			
Surr: Phenol-d6	*1178*	0	*1667*	0	*70.7*	*40-106*	0			

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **35487** Instrument ID **SVMS5** Method: **SW8270**

LCS Sample ID: **SLCSS1-35487-35487** Units: **µg/Kg** Analysis Date: **9/15/2011 03:11 AM**

Client ID: Run ID: **SVMS5_110914A** SeqNo: **1734719** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1136	30	1333	0	85.2	45-110	0			
Anthracene	1152	30	1333	0	86.4	55-105	0			
Benzo(a)anthracene	1166	30	1333	0	87.4	50-110	0			
Benzo(a)pyrene	1269	30	1333	0	95.2	50-110	0			
Benzo(b)fluoranthene	1277	30	1333	0	95.8	45-115	0			
Benzo(g,h,i)perylene	1260	30	1333	0	94.5	40-125	0			
Benzo(k)fluoranthene	1247	30	1333	0	93.5	45-115	0			
Chrysene	1230	30	1333	0	92.3	55-110	0			
Dibenzo(a,h)anthracene	1312	30	1333	0	98.4	40-125	0			
Fluoranthene	1292	30	1333	0	96.9	55-115	0			
Fluorene	1130	30	1333	0	84.7	50-110	0			
Indeno(1,2,3-cd)pyrene	1274	30	1333	0	95.6	40-120	0			
Naphthalene	1124	30	1333	0	84.3	40-105	0			
Pyrene	1291	30	1333	0	96.8	45-125	0			
Surr: 2,4,6-Tribromophenol	*1482*	0	*1667*	0	*88.9*	*34-140*	0			
Surr: 2-Fluorobiphenyl	*1239*	0	*1667*	0	*74.3*	*12-100*	0			
Surr: 2-Fluorophenol	*1232*	0	*1667*	0	*73.9*	*33-117*	0			
Surr: 4-Terphenyl-d14	*1559*	0	*1667*	0	*93.5*	*25-137*	0			
Surr: Nitrobenzene-d5	*1240*	0	*1667*	0	*74.4*	*37-107*	0			
Surr: Phenol-d6	*1274*	0	*1667*	0	*76.5*	*40-106*	0			

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **35487** Instrument ID **SVMS5** Method: **SW8270**

LCSD Sample ID: **SLCSDS1-35487-35487** Units: **µg/Kg** Analysis Date: **9/15/2011 03:45 AM**

Client ID: Run ID: **SVMS5_110914A** SeqNo: **1734720** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1248	30	1333	0	93.6	45-110	1136	9.4	25	
Anthracene	1252	30	1333	0	93.9	55-105	1152	8.35	25	
Benzo(a)anthracene	1221	30	1333	0	91.6	50-110	1166	4.66	25	
Benzo(a)pyrene	1380	30	1333	0	104	50-110	1269	8.38	25	
Benzo(b)fluoranthene	1460	30	1333	0	110	45-115	1277	13.4	25	
Benzo(g,h,i)perylene	1332	30	1333	0	99.9	40-125	1260	5.56	25	
Benzo(k)fluoranthene	1283	30	1333	0	96.3	45-115	1247	2.87	25	
Chrysene	1364	30	1333	0	102	55-110	1230	10.3	25	
Dibenzo(a,h)anthracene	1412	30	1333	0	106	40-125	1312	7.37	25	
Fluoranthene	1370	30	1333	0	103	55-115	1292	5.86	25	
Fluorene	1205	30	1333	0	90.4	50-110	1130	6.43	25	
Indeno(1,2,3-cd)pyrene	1361	30	1333	0	102	40-120	1274	6.58	25	
Naphthalene	1287	30	1333	0	96.5	40-105	1124	13.5	25	
Pyrene	1387	30	1333	0	104	45-125	1291	7.2	25	
Surr: 2,4,6-Tribromophenol	*1737*	0	*1667*	0	*104*	*34-140*	1482	*15.8*	*40*	
Surr: 2-Fluorobiphenyl	*1453*	0	*1667*	0	*87.2*	*12-100*	1239	*15.9*	*40*	
Surr: 2-Fluorophenol	*1410*	0	*1667*	0	*84.6*	*33-117*	1232	*13.5*	*40*	
Surr: 4-Terphenyl-d14	*1799*	0	*1667*	0	*108*	*25-137*	1559	*14.3*	*40*	
Surr: Nitrobenzene-d5	*1479*	0	*1667*	0	*88.7*	*37-107*	1240	*17.6*	*40*	
Surr: Phenol-d6	*1446*	0	*1667*	0	*86.8*	*40-106*	1274	*12.6*	*40*	

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **35487** Instrument ID **SVMS5** Method: **SW8270**

MS Sample ID: **1109335-03A MS** Units: **µg/Kg** Analysis Date: **9/15/2011 06:36 AM**

Client ID: Run ID: **SVMS5_110914A** SeqNo: **1734725** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	2394	59	2610	0	91.7	45-110	0			
Anthracene	2388	59	2610	33.17	90.2	55-105	0			
Benzo(a)anthracene	2619	59	2610	85.59	97	50-110	0			
Benzo(a)pyrene	2766	59	2610	72.32	103	50-110	0			
Benzo(b)fluoranthene	3247	59	2610	83.93	121	45-115	0			S
Benzo(g,h,i)perylene	1736	59	2610	39.48	65	40-125	0			
Benzo(k)fluoranthene	2879	59	2610	76.96	107	45-115	0			
Chrysene	2668	59	2610	75.97	99.3	55-110	0			
Dibenzo(a,h)anthracene	1819	59	2610	18.25	69	40-125	0			
Fluoranthene	3518	59	2610	149	129	55-115	0			S
Fluorene	2330	59	2610	23.55	88.3	50-110	0			
Indeno(1,2,3-cd)pyrene	1837	59	2610	36.49	69	40-120	0			
Naphthalene	2402	59	2610	0	92	40-105	0			
Pyrene	3058	59	2610	131.7	112	45-125	0			
Surr: 2,4,6-Tribromophenol	*3229*	0	*3263*	0	*99*	*34-140*	0			
Surr: 2-Fluorobiphenyl	*2386*	0	*3263*	0	*73.1*	*12-100*	0			
Surr: 2-Fluorophenol	*2583*	0	*3263*	0	*79.2*	*33-117*	0			
Surr: 4-Terphenyl-d14	*2551*	0	*3263*	0	*78.2*	*25-137*	0			
Surr: Nitrobenzene-d5	*2473*	0	*3263*	0	*75.8*	*37-107*	0			
Surr: Phenol-d6	*2692*	0	*3263*	0	*82.5*	*40-106*	0			

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **35487** Instrument ID **SVMS5** Method: **SW8270**

MSD Sample ID: **1109335-03A MSD** Units: **µg/Kg** Analysis Date: **9/15/2011 07:10 AM**

Client ID: Run ID: **SVMS5_110914A** SeqNo: **1734726** Prep Date: **9/14/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1969	58	2565	0	76.8	45-110	2394	19.5	30	
Anthracene	1956	58	2565	33.17	75	55-105	2388	19.9	30	
Benzo(a)anthracene	2127	58	2565	85.59	79.6	50-110	2619	20.7	30	
Benzo(a)pyrene	2287	58	2565	72.32	86.3	50-110	2766	19	30	
Benzo(b)fluoranthene	2773	58	2565	83.93	105	45-115	3247	15.8	30	
Benzo(g,h,i)perylene	1456	58	2565	39.48	55.2	40-125	1736	17.5	30	
Benzo(k)fluoranthene	2270	58	2565	76.96	85.5	45-115	2879	23.6	30	
Chrysene	2212	58	2565	75.97	83.3	55-110	2668	18.7	30	
Dibenzo(a,h)anthracene	1576	58	2565	18.25	60.7	40-125	1819	14.4	30	
Fluoranthene	2464	58	2565	149	90.3	55-115	3518	35.2	30	R
Fluorene	1924	58	2565	23.55	74.1	50-110	2330	19.1	30	
Indeno(1,2,3-cd)pyrene	1563	58	2565	36.49	59.5	40-120	1837	16.1	30	
Naphthalene	1964	58	2565	0	76.6	40-105	2402	20.1	30	
Pyrene	2386	58	2565	131.7	87.9	45-125	3058	24.7	30	
Surr: 2,4,6-Tribromophenol	*2782*	0	*3206*	0	*86.8*	*34-140*	3229	*14.8*	*40*	
Surr: 2-Fluorobiphenyl	*1973*	0	*3206*	0	*61.5*	*12-100*	2386	*19*	*40*	
Surr: 2-Fluorophenol	*2323*	0	*3206*	0	*72.5*	*33-117*	2583	*10.6*	*40*	
Surr: 4-Terphenyl-d14	*2039*	0	*3206*	0	*63.6*	*25-137*	2551	*22.3*	*40*	
Surr: Nitrobenzene-d5	*2176*	0	*3206*	0	*67.9*	*37-107*	2473	*12.8*	*40*	
Surr: Phenol-d6	*2380*	0	*3206*	0	*74.2*	*40-106*	2692	*12.3*	*40*	

The following samples were analyzed in this batch: 1109293-01B

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **35609** Instrument ID **SVMS6** Method: **SW8270**

MBLK Sample ID: **SBLKS1-35609-35609** Units: **µg/Kg** Analysis Date: **9/18/2011 10:12 AM**

Client ID: Run ID: **SVMS6_110918A** SeqNo: **1738645** Prep Date: **9/17/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	30								
Anthracene	ND	30								
Benzo(a)anthracene	ND	30								
Benzo(a)pyrene	ND	30								
Benzo(b)fluoranthene	ND	30								
Benzo(g,h,i)perylene	ND	30								
Benzo(k)fluoranthene	ND	30								
Chrysene	ND	30								
Dibenzo(a,h)anthracene	ND	30								
Fluoranthene	ND	30								
Fluorene	ND	30								
Indeno(1,2,3-cd)pyrene	ND	30								
Naphthalene	ND	30								
Pyrene	ND	30								
Surr: 2,4,6-Tribromophenol	*955.7*	0	*1667*	0	*57.3*	*34-140*	0			
Surr: 2-Fluorobiphenyl	*1030*	0	*1667*	0	*61.8*	*12-100*	0			
Surr: 2-Fluorophenol	*1180*	0	*1667*	0	*70.8*	*33-117*	0			
Surr: 4-Terphenyl-d14	*1297*	0	*1667*	0	*77.8*	*25-137*	0			
Surr: Nitrobenzene-d5	*1135*	0	*1667*	0	*68.1*	*37-107*	0			
Surr: Phenol-d6	*1242*	0	*1667*	0	*74.5*	*40-106*	0			

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **35609** Instrument ID **SVMS6** Method: **SW8270**

LCS Sample ID: **SLCSS1-35609-35609** Units: **µg/Kg** Analysis Date: **9/18/2011 09:18 AM**

Client ID: Run ID: **SVMS6_110918A** SeqNo: **1738643** Prep Date: **9/17/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	985.3	30	1333	0	73.9	45-110	0			
Anthracene	1043	30	1333	0	78.3	55-105	0			
Benzo(a)anthracene	1043	30	1333	0	78.2	50-110	0			
Benzo(a)pyrene	1116	30	1333	0	83.7	50-110	0			
Benzo(b)fluoranthene	1124	30	1333	0	84.3	45-115	0			
Benzo(g,h,i)perylene	1188	30	1333	0	89.1	40-125	0			
Benzo(k)fluoranthene	1175	30	1333	0	88.2	45-115	0			
Chrysene	1080	30	1333	0	81	55-110	0			
Dibenzo(a,h)anthracene	1197	30	1333	0	89.8	40-125	0			
Fluoranthene	1070	30	1333	0	80.3	55-115	0			
Fluorene	1040	30	1333	0	78	50-110	0			
Indeno(1,2,3-cd)pyrene	1182	30	1333	0	88.7	40-120	0			
Naphthalene	863	30	1333	0	64.7	40-105	0			
Pyrene	1078	30	1333	0	80.8	45-125	0			
Surr: 2,4,6-Tribromophenol	*1318*	0	*1667*	0	*79.1*	*34-140*	0			
Surr: 2-Fluorobiphenyl	*1034*	0	*1667*	0	*62*	*12-100*	0			
Surr: 2-Fluorophenol	*1039*	0	*1667*	0	*62.3*	*33-117*	0			
Surr: 4-Terphenyl-d14	*1289*	0	*1667*	0	*77.3*	*25-137*	0			
Surr: Nitrobenzene-d5	*984*	0	*1667*	0	*59*	*37-107*	0			
Surr: Phenol-d6	*1044*	0	*1667*	0	*62.6*	*40-106*	0			

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **35609** Instrument ID **SVMS6** Method: **SW8270**

LCSD Sample ID: **SLCSDS1-35609-35609** Units: **µg/Kg** Analysis Date: **9/18/2011 09:45 AM**

Client ID: Run ID: **SVMS6_110918A** SeqNo: **1738644** Prep Date: **9/17/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	962.3	30	1333	0	72.2	45-110	985.3	2.36	25	
Anthracene	1024	30	1333	0	76.8	55-105	1043	1.87	25	
Benzo(a)anthracene	1029	30	1333	0	77.2	50-110	1043	1.29	25	
Benzo(a)pyrene	1085	30	1333	0	81.4	50-110	1116	2.82	25	
Benzo(b)fluoranthene	1101	30	1333	0	82.6	45-115	1124	2.1	25	
Benzo(g,h,i)perylene	1166	30	1333	0	87.5	40-125	1188	1.87	25	
Benzo(k)fluoranthene	1125	30	1333	0	84.4	45-115	1175	4.38	25	
Chrysene	1054	30	1333	0	79	55-110	1080	2.44	25	
Dibenzo(a,h)anthracene	1171	30	1333	0	87.9	40-125	1197	2.2	25	
Fluoranthene	1054	30	1333	0	79.1	55-115	1070	1.47	25	
Fluorene	1005	30	1333	0	75.4	50-110	1040	3.42	25	
Indeno(1,2,3-cd)pyrene	1154	30	1333	0	86.6	40-120	1182	2.37	25	
Naphthalene	884.7	30	1333	0	66.4	40-105	863	2.48	25	
Pyrene	1047	30	1333	0	78.5	45-125	1078	2.92	25	
Surr: 2,4,6-Tribromophenol	*1264*	0	*1667*	0	*75.9*	*34-140*	1318	*4.18*	*40*	
Surr: 2-Fluorobiphenyl	*1033*	0	*1667*	0	*62*	*12-100*	1034	*0.129*	*40*	
Surr: 2-Fluorophenol	*1022*	0	*1667*	0	*61.3*	*33-117*	1039	*1.65*	*40*	
Surr: 4-Terphenyl-d14	*1252*	0	*1667*	0	*75.1*	*25-137*	1289	*2.94*	*40*	
Surr: Nitrobenzene-d5	*1003*	0	*1667*	0	*60.2*	*37-107*	984	*1.88*	*40*	
Surr: Phenol-d6	*1017*	0	*1667*	0	*61*	*40-106*	1044	*2.62*	*40*	

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **35609** Instrument ID **SVMS6** Method: **SW8270**

MS Sample ID: **1109541-08B MS** Units: **µg/Kg** Analysis Date: **9/18/2011 09:33 AM**

Client ID: Run ID: **SVMS4_110918A** SeqNo: **1738649** Prep Date: **9/17/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1987	59	2641	0	75.2	45-110	0			
Anthracene	2063	59	2641	0	78.1	55-105	0			
Benzo(a)anthracene	2361	59	2641	0	89.4	50-110	0			
Benzo(a)pyrene	2259	59	2641	0	85.6	50-110	0			
Benzo(b)fluoranthene	2120	59	2641	0	80.3	45-115	0			
Benzo(g,h,i)perylene	2221	59	2641	0	84.1	40-125	0			
Benzo(k)fluoranthene	2473	59	2641	0	93.6	45-115	0			
Chrysene	2108	59	2641	0	79.8	55-110	0			
Dibenzo(a,h)anthracene	2262	59	2641	0	85.7	40-125	0			
Fluoranthene	2053	59	2641	0	77.8	55-115	0			
Fluorene	2434	59	2641	0	92.2	50-110	0			
Indeno(1,2,3-cd)pyrene	2296	59	2641	0	87	40-120	0			
Naphthalene	2221	59	2641	0	84.1	40-105	0			
Pyrene	2167	59	2641	0	82.1	45-125	0			
Surr: 2,4,6-Tribromophenol	*2739*	0	*3301*	0	*83*	*34-140*	0			
Surr: 2-Fluorobiphenyl	*2264*	0	*3301*	0	*68.6*	*12-100*	0			
Surr: 2-Fluorophenol	*2518*	0	*3301*	0	*76.3*	*33-117*	0			
Surr: 4-Terphenyl-d14	*2625*	0	*3301*	0	*79.5*	*25-137*	0			
Surr: Nitrobenzene-d5	*2415*	0	*3301*	0	*73.1*	*37-107*	0			
Surr: Phenol-d6	*2544*	0	*3301*	0	*77.1*	*40-106*	0			

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **35609** Instrument ID **SVMS6** Method: **SW8270**

MSD Sample ID: **1109541-08B MSD** Units: **µg/Kg** Analysis Date: **9/18/2011 10:04 AM**

Client ID: Run ID: **SVMS4_110918A** SeqNo: **1738650** Prep Date: **9/17/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1939	58	2596	0	74.7	45-110	1987	2.43	30	
Anthracene	2029	58	2596	0	78.2	55-105	2063	1.66	30	
Benzo(a)anthracene	2365	58	2596	0	91.1	50-110	2361	0.156	30	
Benzo(a)pyrene	2200	58	2596	0	84.8	50-110	2259	2.67	30	
Benzo(b)fluoranthene	2103	58	2596	0	81	45-115	2120	0.767	30	
Benzo(g,h,i)perylene	2231	58	2596	0	85.9	40-125	2221	0.419	30	
Benzo(k)fluoranthene	2445	58	2596	0	94.2	45-115	2473	1.14	30	
Chrysene	2019	58	2596	0	77.8	55-110	2108	4.33	30	
Dibenzo(a,h)anthracene	2196	58	2596	0	84.6	40-125	2262	2.96	30	
Fluoranthene	2007	58	2596	0	77.3	55-115	2053	2.31	30	
Fluorene	2365	58	2596	0	91.1	50-110	2434	2.87	30	
Indeno(1,2,3-cd)pyrene	2235	58	2596	0	86.1	40-120	2296	2.71	30	
Naphthalene	2145	58	2596	0	82.6	40-105	2221	3.47	30	
Pyrene	2132	58	2596	0	82.1	45-125	2167	1.64	30	
Surr: 2,4,6-Tribromophenol	*2730*	0	*3245*	0	*84.1*	*34-140*	2739	*0.316*	*40*	
Surr: 2-Fluorobiphenyl	*2187*	0	*3245*	0	*67.4*	*12-100*	2264	*3.46*	*40*	
Surr: 2-Fluorophenol	*2447*	0	*3245*	0	*75.4*	*33-117*	2518	*2.86*	*40*	
Surr: 4-Terphenyl-d14	*2558*	0	*3245*	0	*78.8*	*25-137*	2625	*2.56*	*40*	
Surr: Nitrobenzene-d5	*2306*	0	*3245*	0	*71.1*	*37-107*	2415	*4.61*	*40*	
Surr: Phenol-d6	*2443*	0	*3245*	0	*75.3*	*40-106*	2544	*4.04*	*40*	

The following samples were analyzed in this batch: 1109293-01B

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **R94565A** Instrument ID **VMS6** Method: **SW8260**

MBLK Sample ID: **VBLKW2-110913-R94565A** Units: **µg/L** Analysis Date: **9/13/2011 11:52 PM**

Client ID: Run ID: **VMS6_110913B** SeqNo: **1732675** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Ethylbenzene	ND	1.0								
m,p-Xylene	ND	2.0								
o-Xylene	ND	1.0								
Toluene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 1,2-Dichloroethane-d4	*98.67*	0	*100*	0	*98.7*	*70-120*	0			
Surr: 4-Bromofluorobenzene	*97.24*	0	*100*	0	*97.2*	*75-120*	0			
Surr: Dibromofluoromethane	*100.2*	0	*100*	0	*100*	*85-115*	0			
Surr: Toluene-d8	*97.7*	0	*100*	0	*97.7*	*85-120*	0			

LCS Sample ID: **VLCSW2-110913-R94565A** Units: **µg/L** Analysis Date: **9/13/2011 10:34 PM**

Client ID: Run ID: **VMS6_110913B** SeqNo: **1732673** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.42	1.0	20	0	102	80-120	0			
Ethylbenzene	20.49	1.0	20	0	102	75-125	0			
m,p-Xylene	41.04	2.0	40	0	103	75-130	0			
o-Xylene	21.01	1.0	20	0	105	80-120	0			
Toluene	19.66	1.0	20	0	98.3	75-120	0			
Xylenes, Total	62.05	2.0	60	0	103	75-130	0			
Surr: 1,2-Dichloroethane-d4	*101.7*	0	*100*	0	*102*	*70-120*	0			
Surr: 4-Bromofluorobenzene	*101*	0	*100*	0	*101*	*75-120*	0			
Surr: Dibromofluoromethane	*103.6*	0	*100*	0	*104*	*85-115*	0			
Surr: Toluene-d8	*96.99*	0	*100*	0	*97*	*85-120*	0			

LCSD Sample ID: **VLCSDW2-110913-R94565A** Units: **µg/L** Analysis Date: **9/13/2011 10:59 PM**

Client ID: Run ID: **VMS6_110913B** SeqNo: **1732674** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.17	1.0	20	0	101	80-120	20.42	1.23	30	
Ethylbenzene	19.78	1.0	20	0	98.9	75-125	20.49	3.53	30	
m,p-Xylene	38.61	2.0	40	0	96.5	75-130	41.04	6.1	30	
o-Xylene	20.14	1.0	20	0	101	80-120	21.01	4.23	30	
Toluene	19.3	1.0	20	0	96.5	75-120	19.66	1.85	30	
Xylenes, Total	58.75	2.0	60	0	97.9	75-130	62.05	5.46	30	
Surr: 1,2-Dichloroethane-d4	*105.4*	0	*100*	0	*105*	*70-120*	101.7	*3.61*	*30*	
Surr: 4-Bromofluorobenzene	*100.5*	0	*100*	0	*100*	*75-120*	101	*0.556*	*30*	
Surr: Dibromofluoromethane	*104.8*	0	*100*	0	*105*	*85-115*	103.6	*1.1*	*30*	
Surr: Toluene-d8	*94.74*	0	*100*	0	*94.7*	*85-120*	96.99	*2.35*	*30*	

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **R94565A** Instrument ID **VMS6** Method: **SW8260**

MS Sample ID: **1109286-01A MS** Units: **µg/L** Analysis Date: **9/14/2011 08:17 AM**

Client ID: Run ID: **VMS6_110913B** SeqNo: **1733641** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.08	1.0	20	0	105	80-120	0			
Ethylbenzene	19.22	1.0	20	0	96.1	75-125	0			
m,p-Xylene	38.02	2.0	40	0	95	75-130	0			
o-Xylene	19.54	1.0	20	0	97.7	80-120	0			
Toluene	19.29	1.0	20	0	96.4	75-120	0			
Xylenes, Total	57.56	3.0	60	0	95.9	75-130	0			
Surr: 1,2-Dichloroethane-d4	*107.9*	0	*100*	0	*108*	*70-120*	0			
Surr: 4-Bromofluorobenzene	*99.04*	0	*100*	0	*99*	*75-120*	0			
Surr: Dibromofluoromethane	*105*	0	*100*	0	*105*	*85-115*	0			
Surr: Toluene-d8	*100.5*	0	*100*	0	*101*	*85-120*	0			

MSD Sample ID: **1109286-01A MSD** Units: **µg/L** Analysis Date: **9/14/2011 08:43 AM**

Client ID: Run ID: **VMS6_110913B** SeqNo: **1733642** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.91	1.0	20	0	99.6	80-120	21.08	5.71	30	
Ethylbenzene	18.82	1.0	20	0	94.1	75-125	19.22	2.1	30	
m,p-Xylene	37.19	2.0	40	0	93	75-130	38.02	2.21	30	
o-Xylene	19.3	1.0	20	0	96.5	80-120	19.54	1.24	30	
Toluene	19.02	1.0	20	0	95.1	75-120	19.29	1.41	30	
Xylenes, Total	56.49	3.0	60	0	94.2	75-130	57.56	1.88	30	
Surr: 1,2-Dichloroethane-d4	*105.1*	0	*100*	0	*105*	*70-120*	107.9	*2.66*	*30*	
Surr: 4-Bromofluorobenzene	*101.1*	0	*100*	0	*101*	*75-120*	99.04	*2.08*	*30*	
Surr: Dibromofluoromethane	*104.1*	0	*100*	0	*104*	*85-115*	105	*0.851*	*30*	
Surr: Toluene-d8	*98.68*	0	*100*	0	*98.7*	*85-120*	100.5	*1.87*	*30*	

The following samples were analyzed in this batch: 1109293-01A

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **35514** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK Sample ID: **MBLK-35514-35514** Units: **mg/Kg** Analysis Date: **9/15/2011 05:00 PM**
Client ID: Run ID: **WETCHEM_110915F** SeqNo: **1735419** Prep Date: **9/13/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	ND	0.50								

LCS Sample ID: **LCS-35514-35514** Units: **mg/Kg** Analysis Date: **9/15/2011 05:00 PM**
Client ID: Run ID: **WETCHEM_110915F** SeqNo: **1735417** Prep Date: **9/13/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.872	0.50	2	0	93.6	75-110	0			

LCSD Sample ID: **LCSD-35514-35514** Units: **mg/Kg** Analysis Date: **9/15/2011 05:00 PM**
Client ID: Run ID: **WETCHEM_110915F** SeqNo: **1735418** Prep Date: **9/13/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.924	0.50	2	0	96.2	75-110	1.872	2.74	20	

MS Sample ID: **1109202-02BMS** Units: **mg/Kg** Analysis Date: **9/15/2011 05:00 PM**
Client ID: Run ID: **WETCHEM_110915F** SeqNo: **1735401** Prep Date: **9/13/2011** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	ND	2.4	1.931	0	0	60-130	0			S

MS Sample ID: **1109202-03BMS** Units: **mg/Kg** Analysis Date: **9/15/2011 05:00 PM**
Client ID: Run ID: **WETCHEM_110915F** SeqNo: **1735404** Prep Date: **9/13/2011** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.412	2.5	1.961	0	72	60-130	0			J

MSD Sample ID: **1109202-02BMSD** Units: **mg/Kg** Analysis Date: **9/15/2011 05:00 PM**
Client ID: Run ID: **WETCHEM_110915F** SeqNo: **1735402** Prep Date: **9/13/2011** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	ND	2.5	1.961	0	0	60-130	0	0	30	S

MSD Sample ID: **1109202-03BMSD** Units: **mg/Kg** Analysis Date: **9/15/2011 05:00 PM**
Client ID: Run ID: **WETCHEM_110915F** SeqNo: **1735405** Prep Date: **9/13/2011** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	ND	2.4	1.916	0	0	60-130	1.412	0	30	S

The following samples were analyzed in this batch: 1109293-01B

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **R94517** Instrument ID **WETCHEM** Method: **SW9045D**

DUP Sample ID: **1109292-02B DUP** Units: **s.u.** Analysis Date: **9/12/2011 07:30 PM**
Client ID: Run ID: **WETCHEM_110912I** SeqNo: **1731538** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.05	0	0	0	0	0-0	8.05	0	20	

DUP Sample ID: **1109328-01A DUP** Units: **s.u.** Analysis Date: **9/12/2011 07:30 PM**
Client ID: Run ID: **WETCHEM_110912I** SeqNo: **1731553** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.34	0	0	0	0	0-0	7.34	0	20	

The following samples were analyzed in this batch: 1109293-01B 1109293-04A

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

Client: HRL Compliance Solutions
Work Order: 1109293
Project: TR 11-6-697 Pad LOE 9/9/11

QC BATCH REPORT

Batch ID: **R94631** Instrument ID **MOIST** Method: **A2540 G**

MBLK Sample ID: **WBLKS1-R94631** Units: **% of sample** Analysis Date: **9/14/2011 01:15 PM**
Client ID: Run ID: **MOIST_110914B** SeqNo: **1734640** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.050								

LCS Sample ID: **LCS-R94631** Units: **% of sample** Analysis Date: **9/14/2011 01:15 PM**
Client ID: Run ID: **MOIST_110914B** SeqNo: **1734639** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.050	100	0	100	99.5-100.5	0			

DUP Sample ID: **1109353-03ADUP** Units: **% of sample** Analysis Date: **9/14/2011 01:15 PM**
Client ID: Run ID: **MOIST_110914B** SeqNo: **1734632** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	21.5	0.050	0	0	0	0-0	21.45	0.233	20	

DUP Sample ID: **1109376-01ADUP** Units: **% of sample** Analysis Date: **9/14/2011 01:15 PM**
Client ID: Run ID: **MOIST_110914B** SeqNo: **1734638** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	8.15	0.050	0	0	0	0-0	8.85	8.24	20	

The following samples were analyzed in this batch:

1109293-01B	1109293-02A	1109293-03A
1109293-04A		

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 # 1109293

PAGE 1 of 1

DISPOSAL (By Lab) or Return to Client

PROJECT NAME	TR 11-6-697 Pad LOE	SAMPLER	Reed Wold	DATE	9/9/2011
PROJECT No.		SITE ID	TR 11-6-697	TURNAROUND	Standard
		EDD FORMAT			
		PURCHASE ORDER			
COMPANY NAME	HRL Compliance	BILL TO COMPANY	Williams		
SEND REPORT TO	Kris Rowe	INVOICE ATTN TO	Karolina Blaney		
ADDRESS	744 Horizon Ct Ste. 140	ADDRESS	1058 Co. Rd. 215		
CITY / STATE / ZIP	Grand Junction, CO 81506	CITY / STATE / ZIP	Parachute, CO 81635		
PHONE	970-261-2015	PHONE	970-683-2295		
FAX	970-243-3271	FAX			
E-MAIL	Krowe@hrlcomp.com	E-MAIL	Karolina.blaney@williams.com		

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	BTEX/ GRO	DRO/ PAH/ Metals (Per table 910-1)	SAR/ EC/ pH	Arsenic
01	TR 11-6-697 Treatment Cell Composite	SO	9/9/2011	11:00	3	8		X	X	X	
02	TR 11-6-697 BG 1	SO	9/9/2011	10:30	1	8					X
03	TR 11-6-697 BG 2	SO	9/9/2011	10:35	1	8					X
04	TR 11-6-697 BG 3	SO	9/9/2011	10:40	2	8				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:

5.6 c

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	9/9/11	5:25pm
RECEIVED BY		Diane F Shaw	9/10/11	1000
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

Subcontractor:
A & L Great Lakes Agricultural La
3505 Conestoga Dr
Ft. Wayne, IN 46808
TEL: (260) 483-4759
FAX: (260) 483-5274
Acct #: 91000

CHAIN-OF-CUSTODY RECORD

Date: 11-Sep-11
COC ID: 3097
Due Date 16-Sep-11

Customer Information		Project Information		Parameter/Method Request for Analysis
Purchase Order		Project Name	1109293	A Subcontracted Analyses (SUBCONTRACT)
Work Order		Project Number		B
Company Name	ALS Group USA, Corp	Bill To Company	ALS Group USA, Corp	C
Send Report To	Ann Preston	Inv Attn	Accounts Payable	D
Address	3352 128th Avenue	Address	3352 128th Avenue	E
				F
City/State/Zip	Holland, Michigan 49424-9263	City/State/Zip	Holland, Michigan 49424-9263	G
Phone	(616) 399-6070	Phone	(616) 399-6070	H
Fax	(616) 399-6185	Fax	(616) 399-6185	I
eMail Address	ann.preston@alsglobal.com	eMail CC		J

Sample ID	Matrix	Collection Date 24hr	Bottle	A	B	C	D	E	F	G	H	I	J
1109293-01C (TR 11-6-697 Treatment Cell Composite)	Soil	9/Sep/2011 11:00	(1) MISC	X									
1109293-04B (TR 11-6-697 BG 3)	Soil	9/Sep/2011 10:40	(1) MISC	X									

Comments:

Please analyze for SAR-EC. Email results to Ann Preston.

Relinquished by:	Date/Time	Received by:	Date/Time	Cooler IDs	Report/QC Level
	9/12/11				Std
Relinquished by:	Date/Time	Received by:	Date/Time		

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **HRL** Date/Time Received: **10-Sep-11 10:00**

Work Order: **1109293** Received by: **DS**

Checklist completed by Diane Shaw (eSignature) 10-Sep-11 (Date) Reviewed by: Ann Preston (eSignature) 11-Sep-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):	5.6 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:

CUSTODY SEAL

DATE 9/9/11

SIGNATURE [signature]

QEC Quality L...
800-255-3950 • 304-255-3900

GRR 3424

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8758 3471 3915

0200 Form ID No.

FedEx Retrieval Copy

fedex.com 1.800.GoFedEx 1.800.463.3339

1 From

Date 9/9/11 Sender's FedEx Account Number

Sender's Name Reed Dale Phone 970 243 3271

Company NCSI

Address 749 Horizon Ct Ste 140 Dept./Floor/Suite/Room

City Grand Junction State Co ZIP 81506

2 Your Internal Billing Reference

3 To

Recipient's Name Sample Receiving Phone 616 399 6070

Company ALS Group

Address 3352 128th Ave

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight. 01 ☐

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations. 31 ☐

Address

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

City Holland State MI ZIP 49424

8758 3471 3915

4 Express Package Service * To most locations.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

NOTE: Service order has changed. Please select carefully.

Next Business Day

06 ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

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.

2 or 3 Business Days

49 ☐ NEW FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.

03 ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

06 ☐ FedEx Envelope* 02 ☐ FedEx 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

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:*

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

1 ☐ Sender Acct. No. in Section 1 will be billed. 2 ☑ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

[redacted]

Total Packages 1 Total Weight 68 lbs. [redacted] Credit Card Auth.

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

612

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