

State of Colorado Oil and Gas Conservation Commission

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



RECEIVED JUL 30 2011 COGCC/Rifle Office

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: 10150 4. Contact Name: Jessica Donahue
2. Name of Operator: Black Hills Phone: (720) 210-1333
3. Address: 1515 Wynkoop St. Suite 500 City: Denver State: CO Zip: 80202 Fax: (303) 566-3344
5. API Number 05- 077-09403 OGCC Facility ID Number 292452
6. Well/Facility Name: Federal 7. Well/Facility Number 35-2
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): SWSW Sect. 35, T9S R97W, 6th PM
9. County: Mesa 10. Field Name: Shire Gulch
11. Federal, Indian or State Lease Number: COC22503

Table with 2 columns: Survey Plat, Directional Survey, Surface Eqpmt Diagram, Technical Info Page, Other. Includes checkboxes and a 'Complete the Attachment Checklist' section.

General Notice

CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)
CHANGE SPACING UNIT
CHANGE OF OPERATOR (prior to drilling):
CHANGE WELL NAME
ABANDONED LOCATION:
NOTICE OF CONTINUED SHUT IN STATUS
SPUD DATE:
REQUEST FOR CONFIDENTIAL STATUS
SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK
RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.

Technical Engineering/Environmental Notice

Notice of Intent / Report of Work Done
Approximate Start Date: / Date Work Completed:
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)
Intent to Recomplete (submit form 2)
Request to Vent or Flare
E&P Waste Disposal
Change Drilling Plans
Repair Well
Beneficial Reuse of E&P Waste
Gross Interval Changed?
Rule 502 variance requested
Status Update/Change of Remediation Plans
Casing/Cementing Program Change
Other: Soil Sample Results 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: Jessica Donahue Date: 7/28/11 Email: jessica.donahue@blackhillscorp.com
Print Name: Jessica Donahue Title: Regulatory Technician

COGCC Approved: Title: Date:

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

| | |
|--|----------------------------|
| 1. OGCC Operator Number: 10150 | API Number: 05-077-09403 |
| 2. Name of Operator: Black Hills | OGCC Facility ID # |
| 3. Well/Facility Name: Federal | Well/Facility Number: 35-2 |
| 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSW Sect. 35, T9S 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**

Black Hills Plateau Production has received the soil sampling results from the Federal 35-2 pad location. Please find attached a map showing the locations samples were drawn from by the third-party contractor, HRL Compliance Solutions, Inc.

Sampling methodology consisted of collecting grab samples from five locations throughout the stockpile. Samples were collected by utilizing a hand auger to collect samples at depths from 6" to 5' from all sides of the stockpiled soil. A grab sample was collected from the lowest point of the pit at the time of construction. The sample was collected at a depth of approximately 12' to 12.5' below grade after black soil was excavated.

Three background samples were collected from nearby undisturbed locations at a depth of 0-6" to be analyzed for background arsenic as well as one of those samples collected was analyzed for inorganics within the soil.

Additional samples were collected from the stockpile during a site visit with COGCC representative Linda Spry O'Rourke. Four samples were collected from the stockpile as soil was removed and black staining was encountered. Below is a breakdown of the sample nomenclature and depths at which each sample was collected.

Stockpile Middle – 2-3 ft inward

Stockpile Top – 4-5 ft inward

Stockpile Bottom – 8-9 ft inward

Stockpile South End – 4-5 ft inward

All samples from the stockpile were analyzed for COGCC Table 910-1.

Please find attached three analytical results for the soil samples taken from the stockpile and pit excavation. The lab received pit excavation samples on June 23, 2011, followed by stockpile samples on June 25 and July 20.

Black Hills Plateau Production requests permission to dispose of soils removed from the pit area at Black Mountain Disposal.



**Black Hills
Plateau Production, LLC
Shire Gulch
Federal 35-2**

Legend

- Pit Bottom Sample Location
 - Composite Sample Location
 - Background Sample Location
 - Stockpile
 - Pad Area
- Background Features**
- Drainages
 - Roads

DISCLAIMER: This Geographic Information System (GIS) and its components are designed as a source of reference for answering questions regarding the location of the well. It does not replace the information provided in the well log. The County Clerk and Recorder's office or the courts. In addition, the representations of locations in this GIS cannot be substituted for actual legal surveys.





30-Jun-2011

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

Re: **Black Hills Fed 35-2 11-201**

Work Order: **1106639**

Dear Kris,

ALS Environmental received 2 samples on 23-Jun-2011 10:10 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 30.

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

Sincerely,

A handwritten signature in cursive script that reads "Ann Preston".

Electronically approved by: Ann Preston

Ann Preston
Project Manager



ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185
ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental ALS

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 11-201
Work Order: 1106639

Work Order Sample Summary

| <u>Lab Samp ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u> |
|--------------------|-------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 1106639-01 | Pit Bottom | Soil | | 6/22/2011 09:30 | 6/23/2011 10:10 | <input type="checkbox"/> |
| 1106639-02 | Pit Contents | Soil | | 6/22/2011 10:00 | 6/23/2011 10:10 | <input type="checkbox"/> |

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 11-201
Work Order: 1106639

Case Narrative

Batch 33975 MS/MSD data for DRO is not related to this project's samples.

Batch 34001 MS/MSD data for Metals is not related to this project's samples.

Batch R91512 MS/MSD data for Volatiles is not related to this project's samples.

Batch 34084 MS/MSD data for Hexavalent Chromium is not related to this project's samples.

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 11-201
WorkOrder: 1106639

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

| <u>Units Reported</u> | <u>Description</u> |
|-----------------------|-------------------------|
| µg/Kg | Micrograms per Kilogram |
| mg/Kg | Milligrams per Kilogram |
| mg/L | Milligrams per Liter |
| s.u. | Standard Units |

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 11-201
Sample ID: Pit Bottom
Collection Date: 6/22/2011 09:30 AM

Work Order: 1106639
Lab ID: 1106639-01
Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|--|--------------|------|--------------------|----------|----------------------|--------------------|
| DIESEL RANGE ORGANICS BY GC-FID | | | SW8015M | | Prep Date: 6/24/2011 | Analyst: RM |
| DRO (C10-C28) | 8.4 | | 4.1 | mg/Kg | 1 | 6/28/2011 12:07 PM |
| Surr: 4-Terphenyl-d14 | 100 | | 39-115 | %REC | 1 | 6/28/2011 12:07 PM |
| GASOLINE RANGE ORGANICS BY GC-FID | | | SW8015 | | | Analyst: RM |
| GRO (C6-C10) | ND | | 5.0 | mg/Kg | 100 | 6/28/2011 03:50 PM |
| Surr: Toluene-d8 | 103 | | 50-150 | %REC | 100 | 6/28/2011 03:50 PM |
| MERCURY BY CVAA | | | SW7471 | | Prep Date: 6/25/2011 | Analyst: LR |
| Mercury | ND | | 0.018 | mg/Kg | 1 | 6/29/2011 01:57 PM |
| METALS BY ICP-MS | | | SW6020A | | Prep Date: 6/24/2011 | Analyst: RH |
| Arsenic | 3.6 | | 0.72 | mg/Kg | 2 | 6/29/2011 11:58 AM |
| Barium | 160 | | 0.72 | mg/Kg | 2 | 6/29/2011 11:58 AM |
| Cadmium | ND | | 0.29 | mg/Kg | 2 | 6/29/2011 11:58 AM |
| Chromium | 10 | | 0.72 | mg/Kg | 2 | 6/29/2011 11:58 AM |
| Copper | 8.5 | | 0.72 | mg/Kg | 2 | 6/29/2011 11:58 AM |
| Lead | 9.1 | | 0.72 | mg/Kg | 2 | 6/29/2011 11:58 AM |
| Nickel | 10 | | 0.72 | mg/Kg | 2 | 6/29/2011 11:58 AM |
| Selenium | ND | | 0.72 | mg/Kg | 2 | 6/29/2011 11:58 AM |
| Silver | ND | | 0.72 | mg/Kg | 2 | 6/29/2011 11:58 AM |
| Zinc | 30 | | 1.4 | mg/Kg | 2 | 6/29/2011 11:58 AM |
| SUBCONTRACTED ANALYSES | | | SUBCONTRACT | | | Analyst: A&LGL |
| Subcontracted Analyses | Rcvd 6/28/11 | | | attached | 1 | 6/28/2011 |
| SEMI-VOLATILE ORGANIC COMPOUNDS | | | SW8270 | | Prep Date: 6/24/2011 | Analyst: JG |
| Acenaphthene | ND | | 30 | µg/Kg | 1 | 6/24/2011 08:18 PM |
| Anthracene | ND | | 30 | µg/Kg | 1 | 6/24/2011 08:18 PM |
| Benzo(a)anthracene | ND | | 30 | µg/Kg | 1 | 6/24/2011 08:18 PM |
| Benzo(a)pyrene | ND | | 30 | µg/Kg | 1 | 6/24/2011 08:18 PM |
| Benzo(b)fluoranthene | ND | | 30 | µg/Kg | 1 | 6/24/2011 08:18 PM |
| Benzo(g,h,i)perylene | ND | | 30 | µg/Kg | 1 | 6/24/2011 08:18 PM |
| Benzo(k)fluoranthene | ND | | 30 | µg/Kg | 1 | 6/24/2011 08:18 PM |
| Chrysene | ND | | 30 | µg/Kg | 1 | 6/24/2011 08:18 PM |
| Dibenzo(a,h)anthracene | ND | | 30 | µg/Kg | 1 | 6/24/2011 08:18 PM |
| Fluoranthene | ND | | 30 | µg/Kg | 1 | 6/24/2011 08:18 PM |
| Fluorene | ND | | 30 | µg/Kg | 1 | 6/24/2011 08:18 PM |
| Indeno(1,2,3-cd)pyrene | ND | | 30 | µg/Kg | 1 | 6/24/2011 08:18 PM |
| Naphthalene | ND | | 30 | µg/Kg | 1 | 6/24/2011 08:18 PM |
| Pyrene | ND | | 30 | µg/Kg | 1 | 6/24/2011 08:18 PM |
| Surr: 2,4,6-Tribromophenol | 75.6 | | 34-140 | %REC | 1 | 6/24/2011 08:18 PM |

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

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 11-201
Sample ID: Pit Bottom
Collection Date: 6/22/2011 09:30 AM

Work Order: 1106639
Lab ID: 1106639-01
Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|--------------------|-------|----------------------|--------------------|
| Surr: 2-Fluorobiphenyl | 71.3 | | 12-100 | %REC | 1 | 6/24/2011 08:18 PM |
| Surr: 2-Fluorophenol | 80.4 | | 33-117 | %REC | 1 | 6/24/2011 08:18 PM |
| Surr: 4-Terphenyl-d14 | 91.2 | | 25-137 | %REC | 1 | 6/24/2011 08:18 PM |
| Surr: Nitrobenzene-d5 | 82.9 | | 37-107 | %REC | 1 | 6/24/2011 08:18 PM |
| Surr: Phenol-d6 | 76.2 | | 40-106 | %REC | 1 | 6/24/2011 08:18 PM |
| VOLATILE ORGANIC COMPOUNDS | | | SW8260 | | | Analyst: MK |
| Benzene | ND | | 100 | µg/Kg | 100 | 6/25/2011 04:45 AM |
| Ethylbenzene | ND | | 100 | µg/Kg | 100 | 6/25/2011 04:45 AM |
| m,p-Xylene | ND | | 100 | µg/Kg | 100 | 6/25/2011 04:45 AM |
| o-Xylene | ND | | 100 | µg/Kg | 100 | 6/25/2011 04:45 AM |
| Toluene | ND | | 100 | µg/Kg | 100 | 6/25/2011 04:45 AM |
| Xylenes, Total | ND | | 300 | µg/Kg | 100 | 6/25/2011 04:45 AM |
| Surr: 1,2-Dichloroethane-d4 | 101 | | 70-120 | %REC | 100 | 6/25/2011 04:45 AM |
| Surr: 4-Bromofluorobenzene | 98.9 | | 75-120 | %REC | 100 | 6/25/2011 04:45 AM |
| Surr: Dibromofluoromethane | 96.5 | | 85-115 | %REC | 100 | 6/25/2011 04:45 AM |
| Surr: Toluene-d8 | 101 | | 85-115 | %REC | 100 | 6/25/2011 04:45 AM |
| CHROMIUM, TRIVALENT | | | CALCULATION | | | Analyst: EE |
| Chromium, Trivalent | 10 | | | mg/L | 1 | 6/30/2011 03:00 PM |
| CHROMIUM, HEXAVALENT | | | SW7196A | | Prep Date: 6/24/2011 | Analyst: MB |
| Chromium, Hexavalent | ND | | 0.49 | mg/Kg | 1 | 6/28/2011 02:00 PM |
| PH | | | SW9045D | | | Analyst: JS |
| pH | 7.83 | | | s.u. | 1 | 6/23/2011 08:40 AM |

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

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 11-201
Sample ID: Pit Contents
Collection Date: 6/22/2011 10:00 AM

Work Order: 1106639
Lab ID: 1106639-02
Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|--|--------------|------|--------------------|--------------|-----------------------------|---------------------------|
| DIESEL RANGE ORGANICS BY GC-FID | | | SW8015M | | Prep Date: 6/24/2011 | Analyst: RM |
| DRO (C10-C28) | 82 | | 4.1 | mg/Kg | 1 | 6/28/2011 12:07 PM |
| <i>Surr: 4-Terphenyl-d14</i> | <i>108</i> | | <i>39-115</i> | <i>%REC</i> | <i>1</i> | 6/28/2011 12:07 PM |
| GASOLINE RANGE ORGANICS BY GC-FID | | | SW8015 | | | Analyst: RM |
| GRO (C6-C10) | 13 | | 5.0 | mg/Kg | 100 | 6/28/2011 04:02 AM |
| <i>Surr: Toluene-d8</i> | <i>106</i> | | <i>50-150</i> | <i>%REC</i> | <i>100</i> | 6/28/2011 04:02 AM |
| MERCURY BY CVAA | | | SW7471 | | Prep Date: 6/25/2011 | Analyst: LR |
| Mercury | ND | | 0.018 | mg/Kg | 1 | 6/29/2011 02:00 PM |
| METALS BY ICP-MS | | | SW6020A | | Prep Date: 6/24/2011 | Analyst: RH |
| Arsenic | 3.6 | | 0.67 | mg/Kg | 2 | 6/29/2011 12:02 PM |
| Barium | 4,300 | | 67 | mg/Kg | 200 | 6/29/2011 03:21 PM |
| Cadmium | ND | | 0.27 | mg/Kg | 2 | 6/29/2011 12:02 PM |
| Chromium | 9.0 | | 0.67 | mg/Kg | 2 | 6/29/2011 12:02 PM |
| Copper | 10 | | 0.67 | mg/Kg | 2 | 6/29/2011 12:02 PM |
| Lead | 9.1 | | 0.67 | mg/Kg | 2 | 6/29/2011 12:02 PM |
| Nickel | 9.7 | | 0.67 | mg/Kg | 2 | 6/29/2011 12:02 PM |
| Selenium | ND | | 0.67 | mg/Kg | 2 | 6/29/2011 12:02 PM |
| Silver | ND | | 0.67 | mg/Kg | 2 | 6/29/2011 12:02 PM |
| Zinc | 42 | | 1.3 | mg/Kg | 2 | 6/29/2011 12:02 PM |
| SUBCONTRACTED ANALYSES | | | SUBCONTRACT | | | Analyst: A&LGL |
| Subcontracted Analyses | Rcvd 6/28/11 | | attached | | 1 | 6/28/2011 |
| SEMI-VOLATILE ORGANIC COMPOUNDS | | | SW8270 | | Prep Date: 6/24/2011 | Analyst: HL |
| Acenaphthene | ND | | 30 | µg/Kg | 1 | 6/27/2011 01:01 AM |
| Anthracene | ND | | 30 | µg/Kg | 1 | 6/27/2011 01:01 AM |
| Benzo(a)anthracene | ND | | 30 | µg/Kg | 1 | 6/27/2011 01:01 AM |
| Benzo(a)pyrene | ND | | 30 | µg/Kg | 1 | 6/27/2011 01:01 AM |
| Benzo(b)fluoranthene | ND | | 30 | µg/Kg | 1 | 6/27/2011 01:01 AM |
| Benzo(g,h,i)perylene | ND | | 30 | µg/Kg | 1 | 6/27/2011 01:01 AM |
| Benzo(k)fluoranthene | ND | | 30 | µg/Kg | 1 | 6/27/2011 01:01 AM |
| Chrysene | ND | | 30 | µg/Kg | 1 | 6/27/2011 01:01 AM |
| Dibenzo(a,h)anthracene | ND | | 30 | µg/Kg | 1 | 6/27/2011 01:01 AM |
| Fluoranthene | ND | | 30 | µg/Kg | 1 | 6/27/2011 01:01 AM |
| Fluorene | ND | | 30 | µg/Kg | 1 | 6/27/2011 01:01 AM |
| Indeno(1,2,3-cd)pyrene | ND | | 30 | µg/Kg | 1 | 6/27/2011 01:01 AM |
| Naphthalene | 62 | | 30 | µg/Kg | 1 | 6/27/2011 01:01 AM |
| Pyrene | ND | | 30 | µg/Kg | 1 | 6/27/2011 01:01 AM |
| <i>Surr: 2,4,6-Tribromophenol</i> | <i>84.7</i> | | <i>34-140</i> | <i>%REC</i> | <i>1</i> | 6/27/2011 01:01 AM |

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

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 11-201
Sample ID: Pit Contents
Collection Date: 6/22/2011 10:00 AM

Work Order: 1106639
Lab ID: 1106639-02
Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|--------|------|--------------------|-------|-----------------------------|--------------------|
| Surr: 2-Fluorobiphenyl | 59.2 | | 12-100 | %REC | 1 | 6/27/2011 01:01 AM |
| Surr: 2-Fluorophenol | 64.6 | | 33-117 | %REC | 1 | 6/27/2011 01:01 AM |
| Surr: 4-Terphenyl-d14 | 107 | | 25-137 | %REC | 1 | 6/27/2011 01:01 AM |
| Surr: Nitrobenzene-d5 | 63.9 | | 37-107 | %REC | 1 | 6/27/2011 01:01 AM |
| Surr: Phenol-d6 | 68.2 | | 40-106 | %REC | 1 | 6/27/2011 01:01 AM |
| VOLATILE ORGANIC COMPOUNDS | | | SW8260 | | | Analyst: MK |
| Benzene | ND | | 100 | µg/Kg | 100 | 6/25/2011 04:19 AM |
| Ethylbenzene | 140 | | 100 | µg/Kg | 100 | 6/25/2011 04:19 AM |
| m,p-Xylene | 740 | | 100 | µg/Kg | 100 | 6/25/2011 04:19 AM |
| o-Xylene | 230 | | 100 | µg/Kg | 100 | 6/25/2011 04:19 AM |
| Toluene | ND | | 100 | µg/Kg | 100 | 6/25/2011 04:19 AM |
| Xylenes, Total | 970 | | 300 | µg/Kg | 100 | 6/25/2011 04:19 AM |
| Surr: 1,2-Dichloroethane-d4 | 101 | | 70-120 | %REC | 100 | 6/25/2011 04:19 AM |
| Surr: 4-Bromofluorobenzene | 98.6 | | 75-120 | %REC | 100 | 6/25/2011 04:19 AM |
| Surr: Dibromofluoromethane | 97.9 | | 85-115 | %REC | 100 | 6/25/2011 04:19 AM |
| Surr: Toluene-d8 | 102 | | 85-115 | %REC | 100 | 6/25/2011 04:19 AM |
| CHROMIUM, TRIVALENT | | | CALCULATION | | | Analyst: EE |
| Chromium, Trivalent | 9.0 | | | mg/L | 1 | 6/30/2011 03:00 PM |
| CHROMIUM, HEXAVALENT | | | SW7196A | | Prep Date: 6/24/2011 | Analyst: MB |
| Chromium, Hexavalent | ND | | 0.48 | mg/Kg | 1 | 6/28/2011 02:00 PM |
| PH | | | SW9045D | | | Analyst: JS |
| pH | 7.77 | | | s.u. | 1 | 6/23/2011 08:40 AM |

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

Report Number: F11175-0149
Account 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: 1106639

DATE RECEIVED: 06/24/2011
DATE REPORTED: 06/28/2011
PAGE: 1
P.O. NUMBER: 20-122010301

REPORT OF ANALYSIS

ATTN: ANN PRESTON

| LAB NO. | SAMPLE ID | ANALYSIS | RESULT | UNIT | METHOD |
|---------|-----------|---------------------------------|--------|---------|------------------|
| 81192 | 01B | Sat'd Paste Extraction with DIW | 1 | | USDA Handbook 60 |
| | | Conductivity (ECe) | 4.66 | mmho/cm | USDA Handbook 60 |
| | | Calcium (Sat'd Paste) | 179 | ppm | USDA Handbook 60 |
| | | Magnesium (Sat'd Paste) | 148 | ppm | USDA Handbook 60 |
| | | Sodium (Sat'd Paste) | 3357 | ppm | USDA Handbook 60 |
| | | Sodium Adsorption Ratio | 44.7 | - | USDA Handbook 60 |
| 81193 | 02B | Sat'd Paste Extraction with DIW | 1 | | USDA Handbook 60 |
| | | Conductivity (ECe) | 7.76 | mmho/cm | USDA Handbook 60 |
| | | Calcium (Sat'd Paste) | 156 | ppm | USDA Handbook 60 |
| | | Magnesium (Sat'd Paste) | 157 | ppm | USDA Handbook 60 |
| | | Sodium (Sat'd Paste) | 5303 | ppm | USDA Handbook 60 |
| | | Sodium Adsorption Ratio | 71.4 | - | USDA Handbook 60 |

Client: HRL Compliance Solutions
 Work Order: 1106639
 Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: 33975 Instrument ID GC8 Method: SW8015M

| MBLK | | Sample ID: DBLKS1-33975-33975 | | | Units: mg/Kg | | Analysis Date: 6/27/2011 10:05 PM | | | |
|-----------------------|--------|-------------------------------|---------|---------------|----------------|----------------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC8_110627A | | | SeqNo: 1663376 | Prep Date: 6/24/2011 | 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 | 1.393 | 0 | 1.667 | 0 | 83.6 | 39-115 | 0 | | | |

| LCS | | Sample ID: DLCSS1-33975-33975 | | | Units: mg/Kg | | Analysis Date: 6/27/2011 08:27 PM | | | |
|-----------------------|--------|-------------------------------|---------|---------------|----------------|----------------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC8_110627A | | | SeqNo: 1663373 | Prep Date: 6/24/2011 | DF: 1 | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| DRO (C10-C28) | 164.3 | 4.2 | 166.7 | 0 | 98.6 | 60-130 | 0 | | | |
| Surr: 4-Terphenyl-d14 | 1.533 | 0 | 1.667 | 0 | 92 | 39-115 | 0 | | | |

| LCSD | | Sample ID: DLCSDS1-33975-33975 | | | Units: mg/Kg | | Analysis Date: 6/27/2011 08:27 PM | | | |
|-----------------------|--------|--------------------------------|---------|---------------|----------------|----------------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC8_110627A | | | SeqNo: 1663396 | Prep Date: 6/24/2011 | DF: 1 | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| DRO (C10-C28) | 130.3 | 4.2 | 166.7 | 0 | 78.2 | 60-130 | 164.3 | 23.1 | 30 | |
| Surr: 4-Terphenyl-d14 | 1.495 | 0 | 1.667 | 0 | 89.7 | 39-115 | 1.533 | 2.49 | 30 | |

| MS | | Sample ID: 1106631-06A MS | | | Units: mg/Kg | | Analysis Date: 6/28/2011 05:00 AM | | | |
|-----------------------|--------|---------------------------|---------|---------------|----------------|----------------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC8_110627A | | | SeqNo: 1663419 | Prep Date: 6/24/2011 | DF: 1 | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| DRO (C10-C28) | 252.6 | 8.1 | 323.4 | 294.2 | -12.9 | 60-130 | 0 | | | S |
| Surr: 4-Terphenyl-d14 | 1.999 | 0 | 3.234 | 0 | 61.8 | 39-115 | 0 | | | |

| MSD | | Sample ID: 1106631-06A MSD | | | Units: mg/Kg | | Analysis Date: 6/28/2011 05:24 AM | | | |
|-----------------------|--------|----------------------------|---------|---------------|----------------|----------------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC8_110627A | | | SeqNo: 1663388 | Prep Date: 6/24/2011 | DF: 1 | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| DRO (C10-C28) | 296.7 | 7.8 | 313.8 | 294.2 | 0.781 | 60-130 | 252.6 | 16 | 30 | S |
| Surr: 4-Terphenyl-d14 | 2.208 | 0 | 3.138 | 0 | 70.4 | 39-115 | 1.999 | 9.94 | 30 | |

The following samples were analyzed in this batch: 1106639-01A 1106639-02A

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

Client: HRL Compliance Solutions
 Work Order: 1106639
 Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: R91627 Instrument ID GC9 Method: SW8015

| MBLK | | Sample ID: MBLK-R91627-R91627 | | | | Units: µg/L | | Analysis Date: 6/27/2011 07:18 PM | | |
|------------------|--------|-------------------------------|---------|---------------|----------------|---------------|---------------|-----------------------------------|-----------|------|
| Client ID: | | Run ID: GC9_110627B | | | SeqNo: 1663008 | 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 | 106.4 | 0 | 100 | 0 | 106 | 70-130 | 0 | | | |

| LCS | | Sample ID: LCS-R91627-R91627 | | | | Units: µg/L | | Analysis Date: 6/27/2011 05:59 PM | | |
|------------------|--------|------------------------------|---------|---------------|----------------|---------------|---------------|-----------------------------------|-----------|------|
| Client ID: | | Run ID: GC9_110627B | | | SeqNo: 1663006 | 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) | 26580 | 200 | 25000 | 0 | 106 | 70-130 | 0 | | | |
| Surr: Toluene-d8 | 109.5 | 0 | 100 | 0 | 109 | 70-130 | 0 | | | |

| LCSD | | Sample ID: LCSD-R91627-R91627 | | | | Units: µg/L | | Analysis Date: 6/27/2011 06:25 PM | | |
|------------------|--------|-------------------------------|---------|---------------|----------------|---------------|---------------|-----------------------------------|-----------|------|
| Client ID: | | Run ID: GC9_110627B | | | SeqNo: 1663007 | 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) | 26170 | 200 | 25000 | 0 | 105 | 70-130 | 26580 | 1.56 | 30 | |
| Surr: Toluene-d8 | 107.2 | 0 | 100 | 0 | 107 | 70-130 | 109.5 | 2.06 | 30 | |

| MS | | Sample ID: 1106715-23A MS | | | | Units: µg/Kg | | Analysis Date: 6/28/2011 04:28 AM | | |
|------------------|---------|---------------------------|---------|---------------|----------------|---------------|---------------|-----------------------------------|-----------|------|
| Client ID: | | Run ID: GC9_110627B | | | SeqNo: 1663027 | 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) | 1322000 | 2,500 | 1250000 | 0 | 106 | 70-130 | 0 | | | |
| Surr: Toluene-d8 | 5434 | 0 | 5000 | 0 | 109 | 50-150 | 0 | | | |

| MSD | | Sample ID: 1106715-23A MSD | | | | Units: µg/Kg | | Analysis Date: 6/28/2011 04:54 AM | | |
|------------------|---------|----------------------------|---------|---------------|----------------|---------------|---------------|-----------------------------------|-----------|------|
| Client ID: | | Run ID: GC9_110627B | | | SeqNo: 1663028 | 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) | 1288000 | 2,500 | 1250000 | 0 | 103 | 70-130 | 1322000 | 2.59 | 30 | |
| Surr: Toluene-d8 | 5249 | 0 | 5000 | 0 | 105 | 50-150 | 5434 | 3.47 | 30 | |

The following samples were analyzed in this batch: 1106639-02A

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

Client: HRL Compliance Solutions
 Work Order: 1106639
 Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: R91676 Instrument ID GC9 Method: SW8015

| MBLK | | Sample ID: MBLK-R91676-R91676 | | | Units: µg/L | | Analysis Date: 6/28/2011 07:03 AM | | | |
|------------------|--------|-------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC9_110628A | | | SeqNo: 1664576 | | 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 | 106.3 | 0 | 100 | 0 | 106 | 70-130 | 0 | | | |

| LCS | | Sample ID: LCS-R91676-R91676 | | | Units: µg/L | | Analysis Date: 6/28/2011 05:46 AM | | | |
|------------------|--------|------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC9_110628A | | | SeqNo: 1664574 | | 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) | 24440 | 200 | 25000 | 0 | 97.7 | 70-130 | 0 | | | |
| Surr: Toluene-d8 | 94.33 | 0 | 100 | 0 | 94.3 | 70-130 | 0 | | | |

| LCSD | | Sample ID: LCSD-R91676-R91676 | | | Units: µg/L | | Analysis Date: 6/28/2011 06:12 AM | | | |
|------------------|--------|-------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC9_110628A | | | SeqNo: 1664575 | | 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) | 24920 | 200 | 25000 | 0 | 99.7 | 70-130 | 24440 | 1.94 | 30 | |
| Surr: Toluene-d8 | 99.06 | 0 | 100 | 0 | 99.1 | 70-130 | 94.33 | 4.89 | 30 | |

| MS | | Sample ID: 1106631-06B MS | | | Units: µg/Kg | | Analysis Date: 6/28/2011 04:16 PM | | | |
|------------------|---------|---------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC9_110628A | | | SeqNo: 1664597 | | 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) | 1357000 | 2,500 | 1250000 | 0 | 109 | 70-130 | 0 | | | |
| Surr: Toluene-d8 | 5714 | 0 | 5000 | 0 | 114 | 50-150 | 0 | | | |

| MS | | Sample ID: 1106632-03B MS | | | Units: µg/Kg | | Analysis Date: 6/28/2011 04:42 PM | | | |
|------------------|---------|---------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC9_110628A | | | SeqNo: 1664598 | | 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) | 1193000 | 2,500 | 1250000 | 0 | 95.4 | 70-130 | 0 | | | |
| Surr: Toluene-d8 | 4506 | 0 | 5000 | 0 | 90.1 | 50-150 | 0 | | | |

| MSD | | Sample ID: 1106631-06B MSD | | | Units: µg/Kg | | Analysis Date: 6/28/2011 05:09 PM | | | |
|------------------|---------|----------------------------|---------|---------------|----------------|---------------|-----------------------------------|-------|-----------|------|
| Client ID: | | Run ID: GC9_110628A | | | SeqNo: 1664599 | | 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 | 1357000 | 6.17 | 30 | |
| Surr: Toluene-d8 | 5670 | 0 | 5000 | 0 | 113 | 50-150 | 5714 | 0.773 | 30 | |

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

Client: HRL Compliance Solutions
Work Order: 1106639
Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: R91676 Instrument ID GC9 Method: SW8015

| MSD | | Sample ID: 1106632-03B MSD | | | Units: µg/Kg | | Analysis Date: 6/28/2011 05:34 PM | | | |
|------------------|---------|----------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC9_110628A | | | SeqNo: 1664600 | | 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) | 1101000 | 2,500 | 1250000 | 0 | 88.1 | 70-130 | 1193000 | 7.98 | 30 | |
| Surr: Toluene-d8 | 4392 | 0 | 5000 | 0 | 87.8 | 50-150 | 4506 | 2.56 | 30 | |

The following samples were analyzed in this batch:

1106639-01A

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

Client: HRL Compliance Solutions
 Work Order: 1106639
 Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: 34026 Instrument ID HG1 Method: SW7471

| MBLK | Sample ID: MBLK-34026-34026 | Units: mg/Kg | | | | | Analysis Date: 6/28/2011 04:57 PM | | | | |
|------------|-----------------------------|----------------|---------|---------------|----------------------|---------------|-----------------------------------|------|-----------|------|--|
| Client ID: | Run ID: HG1_110628A | SeqNo: 1663621 | | | Prep Date: 6/25/2011 | | DF: 1 | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Mercury | 0.002417 | 0.020 | | | | | | | | J | |

| LCS | Sample ID: LCS-34026-34026 | Units: mg/Kg | | | | | Analysis Date: 6/28/2011 04:59 PM | | | | |
|------------|----------------------------|----------------|---------|---------------|----------------------|---------------|-----------------------------------|------|-----------|------|--|
| Client ID: | Run ID: HG1_110628A | SeqNo: 1663622 | | | Prep Date: 6/25/2011 | | DF: 1 | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Mercury | 0.1785 | 0.020 | 0.1665 | 0 | 107 | 80-120 | 0 | | | | |

| LCSD | Sample ID: LCSD-34026-34026 | Units: mg/Kg | | | | | Analysis Date: 6/28/2011 05:01 PM | | | | |
|------------|-----------------------------|----------------|---------|---------------|----------------------|---------------|-----------------------------------|------|-----------|------|--|
| Client ID: | Run ID: HG1_110628A | SeqNo: 1663623 | | | Prep Date: 6/25/2011 | | DF: 1 | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Mercury | 0.1806 | 0.020 | 0.1665 | 0 | 108 | 80-120 | 0.1785 | 1.16 | 20 | | |

| MS | Sample ID: 1106635-15BMS | Units: mg/Kg | | | | | Analysis Date: 6/28/2011 05:06 PM | | | | |
|------------|--------------------------|----------------|---------|---------------|----------------------|---------------|-----------------------------------|------|-----------|------|--|
| Client ID: | Run ID: HG1_110628A | SeqNo: 1663625 | | | Prep Date: 6/25/2011 | | DF: 1 | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Mercury | 0.1748 | 0.016 | 0.1355 | 0.03064 | 106 | 75-125 | 0 | | | | |

| MSD | Sample ID: 1106635-15BMSD | Units: mg/Kg | | | | | Analysis Date: 6/28/2011 05:08 PM | | | | |
|------------|---------------------------|----------------|---------|---------------|----------------------|---------------|-----------------------------------|------|-----------|------|--|
| Client ID: | Run ID: HG1_110628A | SeqNo: 1663626 | | | Prep Date: 6/25/2011 | | DF: 1 | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Mercury | 0.1595 | 0.016 | 0.1297 | 0.03064 | 99.3 | 75-125 | 0.1748 | 9.14 | 35 | | |

The following samples were analyzed in this batch: 1106639-01A 1106639-02A

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

Client: HRL Compliance Solutions
 Work Order: 1106639
 Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: 34001 Instrument ID ICPMS2 Method: SW6020A

| MBLK | | Sample ID: MBLK-34001-34001 | | | Units: mg/Kg | | Analysis Date: 6/28/2011 06:58 PM | | | |
|------------|--------|-----------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: ICPMS2_110628C | | | SeqNo: 1663911 | | Prep Date: 6/24/2011 | | 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 | ND | 0.25 | | | | | | | | |
| Nickel | ND | 0.25 | | | | | | | | |
| Selenium | ND | 0.25 | | | | | | | | |
| Silver | ND | 0.25 | | | | | | | | |
| Zinc | ND | 0.50 | | | | | | | | |

| LCS | | Sample ID: LCS-34001-34001 | | | Units: mg/Kg | | Analysis Date: 6/28/2011 07:03 PM | | | |
|------------|--------|----------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: ICPMS2_110628C | | | SeqNo: 1663912 | | Prep Date: 6/24/2011 | | DF: 2 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Arsenic | 4.969 | 0.50 | 5 | 0 | 99.4 | 80-120 | 0 | | | |
| Barium | 4.995 | 0.50 | 5 | 0 | 99.9 | 80-120 | 0 | | | |
| Cadmium | 4.955 | 0.20 | 5 | 0 | 99.1 | 80-120 | 0 | | | |
| Chromium | 5.124 | 0.50 | 5 | 0 | 102 | 80-120 | 0 | | | |
| Copper | 5.025 | 0.50 | 5 | 0 | 100 | 80-120 | 0 | | | |
| Lead | 5.123 | 0.50 | 5 | 0 | 102 | 80-120 | 0 | | | |
| Nickel | 5.077 | 0.50 | 5 | 0 | 102 | 80-120 | 0 | | | |
| Selenium | 4.943 | 0.50 | 5 | 0 | 98.9 | 80-120 | 0 | | | |
| Silver | 5.235 | 0.50 | 5 | 0 | 105 | 80-120 | 0 | | | |
| Zinc | 4.894 | 1.0 | 5 | 0 | 97.9 | 80-120 | 0 | | | |

| LCSD | | Sample ID: LCSD-34001-34001 | | | Units: mg/Kg | | Analysis Date: 6/28/2011 07:08 PM | | | |
|------------|--------|-----------------------------|---------|---------------|----------------|---------------|-----------------------------------|-------|-----------|------|
| Client ID: | | Run ID: ICPMS2_110628C | | | SeqNo: 1663913 | | Prep Date: 6/24/2011 | | DF: 2 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Arsenic | 4.918 | 0.50 | 5 | 0 | 98.4 | 80-120 | 4.969 | 1.03 | 20 | |
| Barium | 4.945 | 0.50 | 5 | 0 | 98.9 | 80-120 | 4.995 | 1.01 | 20 | |
| Cadmium | 4.928 | 0.20 | 5 | 0 | 98.6 | 80-120 | 4.955 | 0.546 | 20 | |
| Chromium | 5.141 | 0.50 | 5 | 0 | 103 | 80-120 | 5.124 | 0.331 | 20 | |
| Copper | 5.025 | 0.50 | 5 | 0 | 100 | 80-120 | 5.025 | 0 | 20 | |
| Lead | 5.085 | 0.50 | 5 | 0 | 102 | 80-120 | 5.123 | 0.745 | 20 | |
| Nickel | 5.114 | 0.50 | 5 | 0 | 102 | 80-120 | 5.077 | 0.726 | 20 | |
| Selenium | 4.982 | 0.50 | 5 | 0 | 99.6 | 80-120 | 4.943 | 0.786 | 20 | |
| Silver | 5.224 | 0.50 | 5 | 0 | 104 | 80-120 | 5.235 | 0.21 | 20 | |
| Zinc | 4.915 | 1.0 | 5 | 0 | 98.3 | 80-120 | 4.894 | 0.428 | 20 | |

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

Client: HRL Compliance Solutions
 Work Order: 1106639
 Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: 34001 Instrument ID ICPMS2 Method: SW6020A

| MS | | Sample ID: 1106632-03AMS | | | Units: mg/Kg | | | Analysis Date: 6/28/2011 07:22 PM | | |
|------------|--------|--------------------------|---------|---------------|----------------|---------------|---------------|-----------------------------------|-----------|-------|
| Client ID: | | Run ID: ICPMS2_110628C | | | SeqNo: 1663916 | | | Prep Date: 6/24/2011 | | DF: 4 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Arsenic | 14.93 | 1.3 | 6.748 | 9.726 | 77.1 | 80-120 | 0 | | | S |
| Barium | 51.88 | 1.3 | 6.748 | 48.39 | 51.7 | 80-120 | 0 | | | SO |
| Cadmium | 7.123 | 0.54 | 6.748 | 0.165 | 103 | 80-120 | 0 | | | |
| Chromium | 12.32 | 1.3 | 6.748 | 5.997 | 93.7 | 80-120 | 0 | | | |
| Copper | 16.33 | 1.3 | 6.748 | 10.59 | 85.2 | 80-120 | 0 | | | |
| Lead | 16.6 | 1.3 | 6.748 | 9.475 | 106 | 80-120 | 0 | | | |
| Nickel | 15.31 | 1.3 | 6.748 | 9.081 | 92.3 | 80-120 | 0 | | | |
| Selenium | 6.405 | 1.3 | 6.748 | 0.3994 | 89 | 80-120 | 0 | | | |
| Silver | 6.877 | 1.3 | 6.748 | 0.02081 | 102 | 80-120 | 0 | | | |
| Zinc | 35.2 | 2.7 | 6.748 | 29.24 | 88.2 | 80-120 | 0 | | | O |

| MSD | | Sample ID: 1106632-03AMSD | | | Units: mg/Kg | | | Analysis Date: 6/28/2011 07:27 PM | | |
|------------|--------|---------------------------|---------|---------------|----------------|---------------|---------------|-----------------------------------|-----------|-------|
| Client ID: | | Run ID: ICPMS2_110628C | | | SeqNo: 1663917 | | | Prep Date: 6/24/2011 | | DF: 4 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Arsenic | 16.47 | 1.4 | 7.194 | 9.726 | 93.8 | 80-120 | 14.93 | 9.81 | 25 | |
| Barium | 53.29 | 1.4 | 7.194 | 48.39 | 68.2 | 80-120 | 51.88 | 2.7 | 25 | SO |
| Cadmium | 7.456 | 0.58 | 7.194 | 0.165 | 101 | 80-120 | 7.123 | 4.57 | 25 | |
| Chromium | 13.23 | 1.4 | 7.194 | 5.997 | 100 | 80-120 | 12.32 | 7.1 | 25 | |
| Copper | 16.71 | 1.4 | 7.194 | 10.59 | 85 | 80-120 | 16.33 | 2.24 | 25 | |
| Lead | 17.19 | 1.4 | 7.194 | 9.475 | 107 | 80-120 | 16.6 | 3.52 | 25 | |
| Nickel | 16.09 | 1.4 | 7.194 | 9.081 | 97.5 | 80-120 | 15.31 | 5.02 | 25 | |
| Selenium | 7.312 | 1.4 | 7.194 | 0.3994 | 96.1 | 80-120 | 6.405 | 13.2 | 25 | |
| Silver | 7.407 | 1.4 | 7.194 | 0.02081 | 103 | 80-120 | 6.877 | 7.42 | 25 | |
| Zinc | 35.28 | 2.9 | 7.194 | 29.24 | 83.9 | 80-120 | 35.2 | 0.241 | 25 | O |

The following samples were analyzed in this batch: 1106639-01A 1106639-02A

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

Client: HRL Compliance Solutions
 Work Order: 1106639
 Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: 33974 Instrument ID SVMS4 Method: SW8270

| MBLK | Sample ID: SBLKS1-33974-33974 | Units: µg/Kg | | | | | Analysis Date: 6/26/2011 03:27 PM | | | |
|----------------------------|-------------------------------|----------------|----------------------|---------------|------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | Run ID: SVMS4_110626A | SeqNo: 1660699 | Prep Date: 6/24/2011 | 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 | 1128 | 0 | 1667 | 0 | 67.7 | 34-140 | 0 | | | |
| Surr: 2-Fluorobiphenyl | 926 | 0 | 1667 | 0 | 55.6 | 12-100 | 0 | | | |
| Surr: 2-Fluorophenol | 1167 | 0 | 1667 | 0 | 70 | 33-117 | 0 | | | |
| Surr: 4-Terphenyl-d14 | 1030 | 0 | 1667 | 0 | 61.8 | 25-137 | 0 | | | |
| Surr: Nitrobenzene-d5 | 1046 | 0 | 1667 | 0 | 62.8 | 37-107 | 0 | | | |
| Surr: Phenol-d6 | 1157 | 0 | 1667 | 0 | 69.4 | 40-106 | 0 | | | |

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

Client: HRL Compliance Solutions
Work Order: 1106639
Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: 33974 Instrument ID SVMS4 Method: SW8270

| LCS | | Sample ID: SLCSS1-33974-33974 | | | Units: µg/Kg | | Analysis Date: 6/26/2011 02:23 PM | | | |
|-----------------------------------|--------|-------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: SVMS4_110626A | | | SeqNo: 1660697 | | Prep Date: 6/24/2011 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Acenaphthene | 900.7 | 30 | 1333 | 0 | 67.6 | 45-110 | 0 | | | |
| Anthracene | 939.7 | 30 | 1333 | 0 | 70.5 | 55-105 | 0 | | | |
| Benzo(a)anthracene | 936.3 | 30 | 1333 | 0 | 70.2 | 50-110 | 0 | | | |
| Benzo(a)pyrene | 1043 | 30 | 1333 | 0 | 78.2 | 50-110 | 0 | | | |
| Benzo(b)fluoranthene | 1022 | 30 | 1333 | 0 | 76.7 | 45-115 | 0 | | | |
| Benzo(g,h,i)perylene | 1030 | 30 | 1333 | 0 | 77.3 | 40-125 | 0 | | | |
| Benzo(k)fluoranthene | 996.7 | 30 | 1333 | 0 | 74.8 | 45-115 | 0 | | | |
| Chrysene | 941.3 | 30 | 1333 | 0 | 70.6 | 55-110 | 0 | | | |
| Dibenzo(a,h)anthracene | 1030 | 30 | 1333 | 0 | 77.3 | 40-125 | 0 | | | |
| Fluoranthene | 958.7 | 30 | 1333 | 0 | 71.9 | 55-115 | 0 | | | |
| Fluorene | 901 | 30 | 1333 | 0 | 67.6 | 50-110 | 0 | | | |
| Indeno(1,2,3-cd)pyrene | 1030 | 30 | 1333 | 0 | 77.3 | 40-120 | 0 | | | |
| Naphthalene | 858.7 | 30 | 1333 | 0 | 64.4 | 40-105 | 0 | | | |
| Pyrene | 1020 | 30 | 1333 | 0 | 76.5 | 45-125 | 0 | | | |
| <i>Surr: 2,4,6-Tribromophenol</i> | 1092 | 0 | 1667 | 0 | 65.5 | 34-140 | 0 | | | |
| <i>Surr: 2-Fluorobiphenyl</i> | 961 | 0 | 1667 | 0 | 57.7 | 12-100 | 0 | | | |
| <i>Surr: 2-Fluorophenol</i> | 1049 | 0 | 1667 | 0 | 62.9 | 33-117 | 0 | | | |
| <i>Surr: 4-Terphenyl-d14</i> | 1188 | 0 | 1667 | 0 | 71.3 | 25-137 | 0 | | | |
| <i>Surr: Nitrobenzene-d5</i> | 1008 | 0 | 1667 | 0 | 60.5 | 37-107 | 0 | | | |
| <i>Surr: Phenol-d6</i> | 986 | 0 | 1667 | 0 | 59.2 | 40-106 | 0 | | | |

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

Client: HRL Compliance Solutions
 Work Order: 1106639
 Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: 33974 Instrument ID SVMS4 Method: SW8270

| LCSD | Sample ID: SLCSDS1-33974-33974 | Units: µg/Kg | | Analysis Date: 6/26/2011 02:55 PM | | | | | | |
|----------------------------|--------------------------------|----------------|----------------------|-----------------------------------|------|---------------|---------------|------|-----------|------|
| Client ID: | Run ID: SVMS4_110626A | SeqNo: 1660698 | Prep Date: 6/24/2011 | DF: 1 | | | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Acenaphthene | 1111 | 30 | 1333 | 0 | 83.4 | 45-110 | 900.7 | 20.9 | 25 | |
| Anthracene | 1161 | 30 | 1333 | 0 | 87.1 | 55-105 | 939.7 | 21.1 | 25 | |
| Benzo(a)anthracene | 1159 | 30 | 1333 | 0 | 87 | 50-110 | 936.3 | 21.3 | 25 | |
| Benzo(a)pyrene | 1250 | 30 | 1333 | 0 | 93.8 | 50-110 | 1043 | 18.1 | 25 | |
| Benzo(b)fluoranthene | 1254 | 30 | 1333 | 0 | 94 | 45-115 | 1022 | 20.3 | 25 | |
| Benzo(g,h,i)perylene | 1260 | 30 | 1333 | 0 | 94.5 | 40-125 | 1030 | 20.1 | 25 | |
| Benzo(k)fluoranthene | 1170 | 30 | 1333 | 0 | 87.8 | 45-115 | 996.7 | 16 | 25 | |
| Chrysene | 1142 | 30 | 1333 | 0 | 85.7 | 55-110 | 941.3 | 19.3 | 25 | |
| Dibenzo(a,h)anthracene | 1244 | 30 | 1333 | 0 | 93.3 | 40-125 | 1030 | 18.8 | 25 | |
| Fluoranthene | 1178 | 30 | 1333 | 0 | 88.4 | 55-115 | 958.7 | 20.5 | 25 | |
| Fluorene | 1104 | 30 | 1333 | 0 | 82.8 | 50-110 | 901 | 20.2 | 25 | |
| Indeno(1,2,3-cd)pyrene | 1248 | 30 | 1333 | 0 | 93.6 | 40-120 | 1030 | 19.1 | 25 | |
| Naphthalene | 1077 | 30 | 1333 | 0 | 80.8 | 40-105 | 858.7 | 22.6 | 25 | |
| Pyrene | 1252 | 30 | 1333 | 0 | 93.9 | 45-125 | 1020 | 20.4 | 25 | |
| Surr: 2,4,6-Tribromophenol | 1380 | 0 | 1667 | 0 | 82.8 | 34-140 | 1092 | 23.3 | 40 | |
| Surr: 2-Fluorobiphenyl | 1213 | 0 | 1667 | 0 | 72.8 | 12-100 | 961 | 23.2 | 40 | |
| Surr: 2-Fluorophenol | 1286 | 0 | 1667 | 0 | 77.1 | 33-117 | 1049 | 20.3 | 40 | |
| Surr: 4-Terphenyl-d14 | 1457 | 0 | 1667 | 0 | 87.4 | 25-137 | 1188 | 20.4 | 40 | |
| Surr: Nitrobenzene-d5 | 1277 | 0 | 1667 | 0 | 76.6 | 37-107 | 1008 | 23.5 | 40 | |
| Surr: Phenol-d6 | 1206 | 0 | 1667 | 0 | 72.4 | 40-106 | 986 | 20.1 | 40 | |

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

Client: HRL Compliance Solutions
 Work Order: 1106639
 Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: 33974 Instrument ID SVMS4 Method: SW8270

| MS | | Sample ID: 1106631-06A MS | | | Units: µg/Kg | | Analysis Date: 6/24/2011 06:30 PM | | | |
|----------------------------|--------|---------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: SVMS5_110624A | | | SeqNo: 1660285 | | Prep Date: 6/24/2011 | | DF: 10 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Acenaphthene | 2056 | 570 | 2538 | 0 | 81 | 45-110 | 0 | | | |
| Anthracene | 2107 | 570 | 2538 | 0 | 83 | 55-105 | 0 | | | |
| Benzo(a)anthracene | 2183 | 570 | 2538 | 96.33 | 82.2 | 50-110 | 0 | | | |
| Benzo(a)pyrene | 2221 | 570 | 2538 | 0 | 87.5 | 50-110 | 0 | | | |
| Benzo(b)fluoranthene | 2101 | 570 | 2538 | 0 | 82.8 | 45-115 | 0 | | | |
| Benzo(g,h,i)perylene | 2374 | 570 | 2538 | 0 | 93.5 | 40-125 | 0 | | | |
| Benzo(k)fluoranthene | 2063 | 570 | 2538 | 0 | 81.3 | 45-115 | 0 | | | |
| Chrysene | 2209 | 570 | 2538 | 112.9 | 82.6 | 55-110 | 0 | | | |
| Dibenzo(a,h)anthracene | 2215 | 570 | 2538 | 0 | 87.3 | 40-125 | 0 | | | |
| Fluoranthene | 2253 | 570 | 2538 | 0 | 88.8 | 55-115 | 0 | | | |
| Fluorene | 1923 | 570 | 2538 | 0 | 75.8 | 50-110 | 0 | | | |
| Indeno(1,2,3-cd)pyrene | 2304 | 570 | 2538 | 0 | 90.8 | 40-120 | 0 | | | |
| Naphthalene | 1980 | 570 | 2538 | 0 | 78 | 40-105 | 0 | | | |
| Pyrene | 1986 | 570 | 2538 | 116.3 | 73.7 | 45-125 | 0 | | | |
| Surr: 2,4,6-Tribromophenol | 2551 | 0 | 3173 | 0 | 80.4 | 34-140 | 0 | | | |
| Surr: 2-Fluorobiphenyl | 2221 | 0 | 3173 | 0 | 70 | 12-100 | 0 | | | |
| Surr: 2-Fluorophenol | 2151 | 0 | 3173 | 0 | 67.8 | 33-117 | 0 | | | |
| Surr: 4-Terphenyl-d14 | 2132 | 0 | 3173 | 0 | 67.2 | 25-137 | 0 | | | |
| Surr: Nitrobenzene-d5 | 2456 | 0 | 3173 | 0 | 77.4 | 37-107 | 0 | | | |
| Surr: Phenol-d6 | 2240 | 0 | 3173 | 0 | 70.6 | 40-106 | 0 | | | |

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

Client: HRL Compliance Solutions
 Work Order: 1106639
 Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: 33974 Instrument ID SVMS4 Method: SW8270

| MSD | Sample ID: 1106631-06A MSD | Units: µg/Kg | | | | | Analysis Date: 6/24/2011 07:06 PM | | | |
|----------------------------|----------------------------|----------------|---------|---------------|----------------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | Run ID: SVMS5_110624A | SeqNo: 1660286 | | | Prep Date: 6/24/2011 | | DF: 10 | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Acenaphthene | 1930 | 570 | 2523 | 0 | 76.5 | 45-110 | 2056 | 6.32 | 30 | |
| Anthracene | 1886 | 570 | 2523 | 0 | 74.8 | 55-105 | 2107 | 11.1 | 30 | |
| Benzo(a)anthracene | 2082 | 570 | 2523 | 96.33 | 78.7 | 50-110 | 2183 | 4.76 | 30 | |
| Benzo(a)pyrene | 2145 | 570 | 2523 | 0 | 85 | 50-110 | 2221 | 3.51 | 30 | |
| Benzo(b)fluoranthene | 2000 | 570 | 2523 | 0 | 79.3 | 45-115 | 2101 | 4.93 | 30 | |
| Benzo(g,h,i)perylene | 1949 | 570 | 2523 | 0 | 77.3 | 40-125 | 2374 | 19.6 | 30 | |
| Benzo(k)fluoranthene | 2019 | 570 | 2523 | 0 | 80 | 45-115 | 2063 | 2.16 | 30 | |
| Chrysene | 2151 | 570 | 2523 | 112.9 | 80.8 | 55-110 | 2209 | 2.64 | 30 | |
| Dibenzo(a,h)anthracene | 1836 | 570 | 2523 | 0 | 72.8 | 40-125 | 2215 | 18.7 | 30 | |
| Fluoranthene | 2044 | 570 | 2523 | 0 | 81 | 55-115 | 2253 | 9.74 | 30 | |
| Fluorene | 1798 | 570 | 2523 | 0 | 71.3 | 50-110 | 1923 | 6.73 | 30 | |
| Indeno(1,2,3-cd)pyrene | 1892 | 570 | 2523 | 0 | 75 | 40-120 | 2304 | 19.6 | 30 | |
| Naphthalene | 1937 | 570 | 2523 | 0 | 76.8 | 40-105 | 1980 | 2.22 | 30 | |
| Pyrene | 1867 | 570 | 2523 | 116.3 | 69.4 | 45-125 | 1986 | 6.19 | 30 | |
| Surr: 2,4,6-Tribromophenol | 2328 | 0 | 3154 | 0 | 73.8 | 34-140 | 2551 | 9.17 | 40 | |
| Surr: 2-Fluorobiphenyl | 2151 | 0 | 3154 | 0 | 68.2 | 12-100 | 2221 | 3.21 | 40 | |
| Surr: 2-Fluorophenol | 2119 | 0 | 3154 | 0 | 67.2 | 33-117 | 2151 | 1.5 | 40 | |
| Surr: 4-Terphenyl-d14 | 1899 | 0 | 3154 | 0 | 60.2 | 25-137 | 2132 | 11.6 | 40 | |
| Surr: Nitrobenzene-d5 | 2416 | 0 | 3154 | 0 | 76.6 | 37-107 | 2456 | 1.65 | 40 | |
| Surr: Phenol-d6 | 2208 | 0 | 3154 | 0 | 70 | 40-106 | 2240 | 1.46 | 40 | |

The following samples were analyzed in this batch: | 1106639-01A | 1106639-02A |

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

Client: HRL Compliance Solutions
 Work Order: 1106639
 Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: R91507A Instrument ID VMS7 Method: SW8260

MBLK Sample ID: VBLKW2-110624-R91507A Units: µg/L Analysis Date: 6/24/2011 08:46 PM
 Client ID: Run ID: VMS7_110624A SeqNo: 1659805 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 | 98.65 | 0 | 100 | 0 | 98.6 | 70-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 97.64 | 0 | 100 | 0 | 97.6 | 75-120 | 0 | | | |
| Surr: Dibromofluoromethane | 98.56 | 0 | 100 | 0 | 98.6 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 99.78 | 0 | 100 | 0 | 99.8 | 85-120 | 0 | | | |

LCS Sample ID: VLCSW1-110624-R91507A Units: µg/L Analysis Date: 6/24/2011 07:31 PM
 Client ID: Run ID: VMS7_110624A SeqNo: 1659803 Prep Date: DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|-----------------------------|--------|-----|---------|---------------|------|---------------|---------------|------|-----------|------|
| Benzene | 20.46 | 1.0 | 20 | 0 | 102 | 80-120 | 0 | | | |
| Ethylbenzene | 20.44 | 1.0 | 20 | 0 | 102 | 75-125 | 0 | | | |
| m,p-Xylene | 42.18 | 2.0 | 40 | 0 | 105 | 75-130 | 0 | | | |
| o-Xylene | 20.1 | 1.0 | 20 | 0 | 100 | 80-120 | 0 | | | |
| Toluene | 20.53 | 1.0 | 20 | 0 | 103 | 75-120 | 0 | | | |
| Xylenes, Total | 62.28 | 2.0 | 60 | 0 | 104 | 75-130 | 0 | | | |
| Surr: 1,2-Dichloroethane-d4 | 98.51 | 0 | 100 | 0 | 98.5 | 70-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 99.79 | 0 | 100 | 0 | 99.8 | 75-120 | 0 | | | |
| Surr: Dibromofluoromethane | 101 | 0 | 100 | 0 | 101 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 101 | 0 | 100 | 0 | 101 | 85-120 | 0 | | | |

LCSD Sample ID: VLCSDW1-110624-R91507A Units: µg/L Analysis Date: 6/24/2011 07:56 PM
 Client ID: Run ID: VMS7_110624A SeqNo: 1659804 Prep Date: DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|-----------------------------|--------|-----|---------|---------------|------|---------------|---------------|-------|-----------|------|
| Benzene | 21.7 | 1.0 | 20 | 0 | 108 | 80-120 | 20.46 | 5.88 | 30 | |
| Ethylbenzene | 21.43 | 1.0 | 20 | 0 | 107 | 75-125 | 20.44 | 4.73 | 30 | |
| m,p-Xylene | 44.09 | 2.0 | 40 | 0 | 110 | 75-130 | 42.18 | 4.43 | 30 | |
| o-Xylene | 20.88 | 1.0 | 20 | 0 | 104 | 80-120 | 20.1 | 3.81 | 30 | |
| Toluene | 21.6 | 1.0 | 20 | 0 | 108 | 75-120 | 20.53 | 5.08 | 30 | |
| Xylenes, Total | 64.97 | 2.0 | 60 | 0 | 108 | 75-130 | 62.28 | 4.23 | 30 | |
| Surr: 1,2-Dichloroethane-d4 | 99.57 | 0 | 100 | 0 | 99.6 | 70-120 | 98.51 | 1.07 | 30 | |
| Surr: 4-Bromofluorobenzene | 100.5 | 0 | 100 | 0 | 101 | 75-120 | 99.79 | 0.729 | 30 | |
| Surr: Dibromofluoromethane | 101.6 | 0 | 100 | 0 | 102 | 85-115 | 101 | 0.622 | 30 | |
| Surr: Toluene-d8 | 100.2 | 0 | 100 | 0 | 100 | 85-120 | 101 | 0.835 | 30 | |

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

Client: HRL Compliance Solutions
 Work Order: 1106639
 Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: R91507A Instrument ID VMS7 Method: SW8260

| MS | | Sample ID: 1106635-10A MS | | | Units: µg/Kg | | Analysis Date: 6/25/2011 05:35 AM | | | |
|-----------------------------|--------|---------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: VMS7_110624A | | | SeqNo: 1660168 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 20.78 | 1.0 | 20 | 0 | 104 | 75-125 | 0 | | | |
| Ethylbenzene | 20.51 | 2.0 | 20 | 0 | 103 | 75-125 | 0 | | | |
| m,p-Xylene | 41.94 | 2.0 | 40 | 0 | 105 | 80-125 | 0 | | | |
| o-Xylene | 20.06 | 1.0 | 20 | 0 | 100 | 75-125 | 0 | | | |
| Toluene | 20.69 | 1.5 | 20 | 0 | 103 | 70-125 | 0 | | | |
| Xylenes, Total | 62 | 3.0 | 60 | 0 | 103 | 75-125 | 0 | | | |
| Surr: 1,2-Dichloroethane-d4 | 99.55 | 0 | 100 | 0 | 99.6 | 70-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 102.9 | 0 | 100 | 0 | 103 | 75-120 | 0 | | | |
| Surr: Dibromofluoromethane | 100.1 | 0 | 100 | 0 | 100 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 100.2 | 0 | 100 | 0 | 100 | 85-115 | 0 | | | |

| MSD | | Sample ID: 1106635-10A MSD | | | Units: µg/Kg | | Analysis Date: 6/25/2011 06:00 AM | | | |
|-----------------------------|--------|----------------------------|---------|---------------|----------------|---------------|-----------------------------------|--------|-----------|------|
| Client ID: | | Run ID: VMS7_110624A | | | SeqNo: 1660169 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 20.63 | 1.0 | 20 | 0 | 103 | 75-125 | 20.78 | 0.724 | 30 | |
| Ethylbenzene | 20.53 | 2.0 | 20 | 0 | 103 | 75-125 | 20.51 | 0.0975 | 30 | |
| m,p-Xylene | 42.03 | 2.0 | 40 | 0 | 105 | 80-125 | 41.94 | 0.214 | 30 | |
| o-Xylene | 20.15 | 1.0 | 20 | 0 | 101 | 75-125 | 20.06 | 0.448 | 30 | |
| Toluene | 20.7 | 1.5 | 20 | 0 | 104 | 70-125 | 20.69 | 0.0483 | 30 | |
| Xylenes, Total | 62.18 | 3.0 | 60 | 0 | 104 | 75-125 | 62 | 0.29 | 30 | |
| Surr: 1,2-Dichloroethane-d4 | 98.11 | 0 | 100 | 0 | 98.1 | 70-120 | 99.55 | 1.46 | 30 | |
| Surr: 4-Bromofluorobenzene | 103.2 | 0 | 100 | 0 | 103 | 75-120 | 102.9 | 0.272 | 30 | |
| Surr: Dibromofluoromethane | 100.9 | 0 | 100 | 0 | 101 | 85-115 | 100.1 | 0.756 | 30 | |
| Surr: Toluene-d8 | 100.7 | 0 | 100 | 0 | 101 | 85-115 | 100.2 | 0.518 | 30 | |

The following samples were analyzed in this batch:

1106639-01A

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

Client: HRL Compliance Solutions
 Work Order: 1106639
 Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: R91512 Instrument ID VMS5 Method: SW8260

| MBLK | | Sample ID: VBLKW2-110624-R91512 | | | Units: µg/L | | Analysis Date: 6/24/2011 10:41 PM | | | |
|-----------------------------|--------|---------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: VMS5_110624B | | | SeqNo: 1660020 | | 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 | 106.5 | 0 | 100 | 0 | 106 | 70-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 93.84 | 0 | 100 | 0 | 93.8 | 75-120 | 0 | | | |
| Surr: Dibromofluoromethane | 101.1 | 0 | 100 | 0 | 101 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 100.5 | 0 | 100 | 0 | 101 | 85-120 | 0 | | | |

| LCS | | Sample ID: VLCSW2-110624-R91512 | | | Units: µg/L | | Analysis Date: 6/24/2011 09:29 PM | | | |
|-----------------------------|--------|---------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: VMS5_110624B | | | SeqNo: 1660018 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 20.31 | 1.0 | 20 | 0 | 102 | 80-120 | 0 | | | |
| Ethylbenzene | 19.89 | 1.0 | 20 | 0 | 99.4 | 75-125 | 0 | | | |
| m,p-Xylene | 39.89 | 2.0 | 40 | 0 | 99.7 | 75-130 | 0 | | | |
| o-Xylene | 19.66 | 1.0 | 20 | 0 | 98.3 | 80-120 | 0 | | | |
| Toluene | 20.22 | 1.0 | 20 | 0 | 101 | 75-120 | 0 | | | |
| Xylenes, Total | 59.55 | 2.0 | 60 | 0 | 99.2 | 75-130 | 0 | | | |
| Surr: 1,2-Dichloroethane-d4 | 97.53 | 0 | 100 | 0 | 97.5 | 70-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 99.42 | 0 | 100 | 0 | 99.4 | 75-120 | 0 | | | |
| Surr: Dibromofluoromethane | 98.1 | 0 | 100 | 0 | 98.1 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 99.3 | 0 | 100 | 0 | 99.3 | 85-120 | 0 | | | |

| LCS D | | Sample ID: VLCS DW2-110624-R91512 | | | Units: µg/L | | Analysis Date: 6/24/2011 09:53 PM | | | |
|-----------------------------|--------|-----------------------------------|---------|---------------|----------------|---------------|-----------------------------------|-------|-----------|------|
| Client ID: | | Run ID: VMS5_110624B | | | SeqNo: 1660019 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 19.46 | 1.0 | 20 | 0 | 97.3 | 80-120 | 20.31 | 4.27 | 30 | |
| Ethylbenzene | 19.2 | 1.0 | 20 | 0 | 96 | 75-125 | 19.89 | 3.53 | 30 | |
| m,p-Xylene | 38.39 | 2.0 | 40 | 0 | 96 | 75-130 | 39.89 | 3.83 | 30 | |
| o-Xylene | 19.08 | 1.0 | 20 | 0 | 95.4 | 80-120 | 19.66 | 2.99 | 30 | |
| Toluene | 19.24 | 1.0 | 20 | 0 | 96.2 | 75-120 | 20.22 | 4.97 | 30 | |
| Xylenes, Total | 57.47 | 2.0 | 60 | 0 | 95.8 | 75-130 | 59.55 | 3.55 | 30 | |
| Surr: 1,2-Dichloroethane-d4 | 97.36 | 0 | 100 | 0 | 97.4 | 70-120 | 97.53 | 0.174 | 30 | |
| Surr: 4-Bromofluorobenzene | 100.1 | 0 | 100 | 0 | 100 | 75-120 | 99.42 | 0.692 | 30 | |
| Surr: Dibromofluoromethane | 101.1 | 0 | 100 | 0 | 101 | 85-115 | 98.1 | 3.05 | 30 | |
| Surr: Toluene-d8 | 100 | 0 | 100 | 0 | 100 | 85-120 | 99.3 | 0.712 | 30 | |

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

Client: HRL Compliance Solutions
 Work Order: 1106639
 Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: R91512 Instrument ID VMS5 Method: SW8260

| MS | | Sample ID: 1106657-03A MS | | | Units: µg/L | | | Analysis Date: 6/25/2011 06:44 AM | | |
|-----------------------------|--------|---------------------------|---------|---------------|----------------|---------------|---------------|-----------------------------------|-----------|------|
| Client ID: | | Run ID: VMS5_110624B | | | SeqNo: 1660032 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 20.12 | 1.0 | 20 | 0 | 101 | 80-120 | 0 | | | |
| Ethylbenzene | 20.01 | 1.0 | 20 | 0 | 100 | 75-125 | 0 | | | |
| m,p-Xylene | 40.15 | 2.0 | 40 | 0 | 100 | 75-130 | 0 | | | |
| o-Xylene | 19.52 | 1.0 | 20 | 0 | 97.6 | 80-120 | 0 | | | |
| Toluene | 20.07 | 1.0 | 20 | 0 | 100 | 75-120 | 0 | | | |
| Xylenes, Total | 59.67 | 2.0 | 60 | 0 | 99.4 | 75-130 | 0 | | | |
| Surr: 1,2-Dichloroethane-d4 | 93.2 | 0 | 100 | 0 | 93.2 | 70-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 100.8 | 0 | 100 | 0 | 101 | 75-120 | 0 | | | |
| Surr: Dibromofluoromethane | 100.2 | 0 | 100 | 0 | 100 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 98.16 | 0 | 100 | 0 | 98.2 | 85-120 | 0 | | | |

| MSD | | Sample ID: 1106657-03A MSD | | | Units: µg/L | | | Analysis Date: 6/25/2011 07:08 AM | | |
|-----------------------------|--------|----------------------------|---------|---------------|----------------|---------------|---------------|-----------------------------------|-----------|------|
| Client ID: | | Run ID: VMS5_110624B | | | SeqNo: 1660033 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 13.26 | 1.0 | 20 | 0 | 66.3 | 80-120 | 20.12 | 41.1 | 30 | SR |
| Ethylbenzene | 13.2 | 1.0 | 20 | 0 | 66 | 75-125 | 20.01 | 41 | 30 | SR |
| m,p-Xylene | 26.35 | 2.0 | 40 | 0 | 65.9 | 75-130 | 40.15 | 41.5 | 30 | SR |
| o-Xylene | 12.76 | 1.0 | 20 | 0 | 63.8 | 80-120 | 19.52 | 41.9 | 30 | SR |
| Toluene | 13.1 | 1.0 | 20 | 0 | 65.5 | 75-120 | 20.07 | 42 | 30 | SR |
| Xylenes, Total | 39.11 | 2.0 | 60 | 0 | 65.2 | 75-130 | 59.67 | 41.6 | 30 | SR |
| Surr: 1,2-Dichloroethane-d4 | 92.55 | 0 | 100 | 0 | 92.6 | 70-120 | 93.2 | 0.7 | 30 | |
| Surr: 4-Bromofluorobenzene | 99.85 | 0 | 100 | 0 | 99.8 | 75-120 | 100.8 | 0.937 | 30 | |
| Surr: Dibromofluoromethane | 97.31 | 0 | 100 | 0 | 97.3 | 85-115 | 100.2 | 2.88 | 30 | |
| Surr: Toluene-d8 | 97.93 | 0 | 100 | 0 | 97.9 | 85-120 | 98.16 | 0.235 | 30 | |

The following samples were analyzed in this batch: 1106639-02A

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

Client: HRL Compliance Solutions
 Work Order: 1106639
 Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: 34084 Instrument ID WETCHEM Method: SW7196A

| MBLK | Sample ID: MBLK-34084-34084 | Units: mg/Kg | | | | | Analysis Date: 6/28/2011 02:00 PM | | | | |
|----------------------|-----------------------------|----------------|---------|----------------------|------|---------------|-----------------------------------|------|-----------|------|--|
| Client ID: | Run ID: WETCHEM_110628D | SeqNo: 1663445 | | Prep Date: 6/24/2011 | | DF: 1 | | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Chromium, Hexavalent | ND | 0.48 | | | | | | | | | |

| LCS | Sample ID: LCS-34084-34084 | Units: mg/Kg | | | | | Analysis Date: 6/28/2011 02:00 PM | | | | |
|----------------------|----------------------------|----------------|---------|----------------------|------|---------------|-----------------------------------|------|-----------|------|--|
| Client ID: | Run ID: WETCHEM_110628D | SeqNo: 1663443 | | Prep Date: 6/24/2011 | | DF: 1 | | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Chromium, Hexavalent | 1.629 | 0.49 | 1.953 | 0 | 83.4 | 75-110 | 0 | | | | |

| LCSD | Sample ID: LCSD-34084-34084 | Units: mg/Kg | | | | | Analysis Date: 6/28/2011 02:00 PM | | | | |
|----------------------|-----------------------------|----------------|---------|----------------------|------|---------------|-----------------------------------|-------|-----------|------|--|
| Client ID: | Run ID: WETCHEM_110628D | SeqNo: 1663444 | | Prep Date: 6/24/2011 | | DF: 1 | | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Chromium, Hexavalent | 1.642 | 0.49 | 1.969 | 0 | 83.4 | 75-110 | 1.629 | 0.784 | 20 | | |

| MS | Sample ID: 1106560-01B MS | Units: mg/Kg | | | | | Analysis Date: 6/28/2011 02:00 PM | | | | |
|----------------------|---------------------------|----------------|---------|----------------------|------|---------------|-----------------------------------|------|-----------|------|--|
| Client ID: | Run ID: WETCHEM_110628D | SeqNo: 1663428 | | Prep Date: 6/24/2011 | | DF: 1 | | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Chromium, Hexavalent | ND | 0.49 | 1.969 | 0 | 0 | 60-130 | 0 | | | S | |

| MSD | Sample ID: 1106560-01B MSD | Units: mg/Kg | | | | | Analysis Date: 6/28/2011 02:00 PM | | | | |
|----------------------|----------------------------|----------------|---------|----------------------|------|---------------|-----------------------------------|------|-----------|------|--|
| Client ID: | Run ID: WETCHEM_110628D | SeqNo: 1663429 | | Prep Date: 6/24/2011 | | DF: 1 | | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Chromium, Hexavalent | ND | 0.49 | 1.961 | 0 | 0 | 60-130 | 0 | 0 | 30 | S | |

The following samples were analyzed in this batch: 1106639-01A 1106639-02A

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

Client: HRL Compliance Solutions
Work Order: 1106639
Project: Black Hills Fed 35-2 11-201

QC BATCH REPORT

Batch ID: **R91436** Instrument ID **WETCHEM** Method: **SW9045D**

DUP Sample ID: **1106617-02ADUP** Units: **s.u.** Analysis Date: **6/23/2011 08:40 AM**

Client ID: Run ID: **WETCHEM_110623I** SeqNo: **1657797** Prep Date: DF: **1**

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|-----|---------|---------------|------|---------------|---------------|--------|-----------|------|
| pH | 12.13 | 0 | 0 | 0 | 0 | 0-0 | 12.14 | 0.0824 | 20 | |

The following samples were analyzed in this batch:

| | |
|-------------|-------------|
| 1106639-01A | 1106639-02A |
|-------------|-------------|

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



Subcontractor:
A & L Great Lakes Agricultural La
3505 Conestoga Dr
Fl Wayne, IN 46808

TEL: (260) 483-4759
FAX:
Acc#: 91000

CHAIN-OF-CUSTODY RECORD

Date: 23-Jun-11
COC ID: 2968
Due Date 29-Jun-11

Page 1 of 1

GENESEE COUNTY PUBLIC HEALTH

| Customer Information | | Project Information | | Parameter/Method Request for Analysis | | | | | | | | | | | |
|--------------------------------------|------------------------------|---------------------|------------------------------|---------------------------------------|---|---|---|---|---|---|---|---|---|--|--|
| Subcontracted Analyses (SUBCONTRACT) | | | | | | | | | | | | | | | |
| Purchase Order | Project Name | Project Number | 1106639 | A | B | C | D | E | F | G | H | I | J | | |
| Work Order | ALS Group USA, Corp | ALS Group USA, Corp | Accounts Payable | | | | | | | | | | | | |
| Company Name | Ann Preston | Inv Altn | 3352 128th Avenue | | | | | | | | | | | | |
| Send Report To | 3352 128th Avenue | Address | | | | | | | | | | | | | |
| Address | Holland, Michigan 49424-9263 | City/State/Zip | Holland, Michigan 49424-9263 | | | | | | | | | | | | |
| City/State/Zip | (616) 399-6070 | Phone | (616) 399-6070 | | | | | | | | | | | | |
| Phone | (616) 399-6185 | Fax | (616) 399-6185 | | | | | | | | | | | | |
| Fax | ann.preston@alsglobal.com | eMail Address | eMail CC | | | | | | | | | | | | |
| eMail Address | Matrix | | Collection Date 24hr | A | B | C | D | E | F | G | H | I | J | | |
| Sample ID | Soil | Soil | 22/Jun/2011 9:30 | X | | | | | | | | | | | |
| 1106639-01B (Pit Bottom) | Soil | Soil | 22/Jun/2011 10:00 | X | | | | | | | | | | | |
| 1106639-02B (Pit Contents) | | | | | | | | | | | | | | | |

Comments:

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

Relinquished by: *[Signature]* Date/Time: 6/23/11
 Received by: *[Signature]* Date/Time: _____
 Relinquished by: _____ Date/Time: _____
 Received by: _____ Date/Time: _____

Cooler IDs
Report/OC Level
Std

Sample Receipt Checklist

Client Name: HRL
 Work Order: 1106639

Date/Time Received: 23-Jun-11 10:10
 Received by: KRW

Checklist completed by Keith Waringa 23-Jun-11
eSignature Date

Reviewed by: Ann Preston 23-Jun-11
eSignature Date

Matrices: Soil
 Carrier name: FedEx

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temperature(s)/Thermometer(s): | <input type="text" value="5.8 C"/> <input type="text"/> | | |
| Cooler(s)/Kit(s): | <input type="text"/> | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| pH adjusted? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| pH adjusted by: | <input type="text"/> | | |

Login Notes:



Client Contacted: _____ Date Contacted: _____ Person Contacted: _____
 Contacted By: _____ Regarding: _____

Comments:

CorrectiveAction:



30-Jun-2011

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

Re: **Black Hills Fed 35-2 Pit 11-201**

Work Order: **1106712**

Dear Kris,

ALS Environmental received 4 samples on 25-Jun-2011 10:30 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 33.

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

Sincerely,

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

Electronically approved by: Ann Preston

Ann Preston
Project Manager



ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185
ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental ALS

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Pit 11-201
Work Order: 1106712

Work Order Sample Summary

| <u>Lab Samp ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u> |
|--------------------|-------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 1106712-01 | Stockpile | Soil | | 6/23/2011 11:35 | 6/25/2011 10:30 | <input type="checkbox"/> |
| 1106712-02 | BKGD 1 | Soil | | 6/23/2011 11:59 | 6/25/2011 10:30 | <input type="checkbox"/> |
| 1106712-03 | BKGD 2 | Soil | | 6/23/2011 12:03 | 6/25/2011 10:30 | <input type="checkbox"/> |
| 1106712-04 | BKGD 3 | Soil | | 6/23/2011 12:14 | 6/25/2011 10:30 | <input type="checkbox"/> |

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Pit 11-201
Work Order: 1106712

Case Narrative

Batches 34033 and 34077 MS/MSD data for Metals is not related to this project's samples.

Batch 34085 sample Stockpile MS recovery for Hexavalent Chromium was below control limits causing the RPD to be outside control limits. The reporting limit for Hexavalent Chromium for the parent sample may be biased low.

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Pit 11-201
WorkOrder: 1106712

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

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

Client: HRL Compliance Solutions
 Project: Black Hills Fed 35-2 Pit 11-201
 Sample ID: Stockpile
 Collection Date: 6/23/2011 11:35 AM

Work Order: 1106712
 Lab ID: 1106712-01
 Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|--|--------------|------|--------------------|-----------|-----------------------------|---------------------------|
| DIESEL RANGE ORGANICS BY GC-FID | | | SW8015M | | Prep Date: 6/27/2011 | Analyst: RM |
| DRO (C10-C28) | 51 | | 4.8 | mg/Kg-dry | 1 | 6/28/2011 02:09 AM |
| Surr: 4-Terphenyl-d14 | 91.5 | | 39-115 | %REC | 1 | 6/28/2011 02:09 AM |
| GASOLINE RANGE ORGANICS BY GC-FID | | | SW8015 | | | Analyst: RM |
| GRO (C6-C10) | ND | | 5.8 | mg/Kg-dry | 100 | 6/27/2011 09:04 PM |
| Surr: Toluene-d8 | 104 | | 50-150 | %REC | 100 | 6/27/2011 09:04 PM |
| MERCURY BY CVAA | | | SW7471 | | Prep Date: 6/28/2011 | Analyst: LR |
| Mercury | 0.021 | J | 0.021 | mg/Kg-dry | 1 | 6/28/2011 04:43 PM |
| METALS BY ICP-MS | | | SW6020A | | Prep Date: 6/26/2011 | Analyst: CES |
| Arsenic | 3.6 | | 0.83 | mg/Kg-dry | 2 | 6/27/2011 06:13 PM |
| Barium | 2,400 | | 8.3 | mg/Kg-dry | 20 | 6/28/2011 11:18 AM |
| Cadmium | ND | | 0.33 | mg/Kg-dry | 2 | 6/27/2011 06:13 PM |
| Chromium | 7.5 | | 0.83 | mg/Kg-dry | 2 | 6/27/2011 06:13 PM |
| Copper | 9.7 | | 0.83 | mg/Kg-dry | 2 | 6/27/2011 06:13 PM |
| Lead | 9.3 | | 0.83 | mg/Kg-dry | 2 | 6/27/2011 06:13 PM |
| Nickel | 9.0 | | 0.83 | mg/Kg-dry | 2 | 6/27/2011 06:13 PM |
| Selenium | ND | | 0.83 | mg/Kg-dry | 2 | 6/27/2011 06:13 PM |
| Silver | ND | | 0.83 | mg/Kg-dry | 2 | 6/27/2011 06:13 PM |
| Zinc | 35 | | 1.7 | mg/Kg-dry | 2 | 6/27/2011 06:13 PM |
| SUBCONTRACTED ANALYSES | | | SUBCONTRACT | | | Analyst: A&LGL |
| Subcontracted Analyses | Rcvd 6/29/11 | | attached | | 1 | 6/29/2011 |
| SEMI-VOLATILE ORGANIC COMPOUNDS | | | SW8270 | | Prep Date: 6/27/2011 | Analyst: CW |
| Acenaphthene | ND | | 34 | µg/Kg-dry | 1 | 6/27/2011 09:21 PM |
| Anthracene | ND | | 34 | µg/Kg-dry | 1 | 6/27/2011 09:21 PM |
| Benzo(a)anthracene | ND | | 34 | µg/Kg-dry | 1 | 6/27/2011 09:21 PM |
| Benzo(a)pyrene | ND | | 34 | µg/Kg-dry | 1 | 6/27/2011 09:21 PM |
| Benzo(b)fluoranthene | ND | | 34 | µg/Kg-dry | 1 | 6/27/2011 09:21 PM |
| Benzo(g,h,i)perylene | ND | | 34 | µg/Kg-dry | 1 | 6/27/2011 09:21 PM |
| Benzo(k)fluoranthene | ND | | 34 | µg/Kg-dry | 1 | 6/27/2011 09:21 PM |
| Chrysene | ND | | 34 | µg/Kg-dry | 1 | 6/27/2011 09:21 PM |
| Dibenzo(a,h)anthracene | ND | | 34 | µg/Kg-dry | 1 | 6/27/2011 09:21 PM |
| Fluoranthene | ND | | 34 | µg/Kg-dry | 1 | 6/27/2011 09:21 PM |
| Fluorene | ND | | 34 | µg/Kg-dry | 1 | 6/27/2011 09:21 PM |
| Indeno(1,2,3-cd)pyrene | ND | | 34 | µg/Kg-dry | 1 | 6/27/2011 09:21 PM |
| Naphthalene | ND | | 34 | µg/Kg-dry | 1 | 6/27/2011 09:21 PM |
| Pyrene | ND | | 34 | µg/Kg-dry | 1 | 6/27/2011 09:21 PM |
| Surr: 2,4,6-Tribromophenol | 75.7 | | 34-140 | %REC | 1 | 6/27/2011 09:21 PM |

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

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Pit 11-201
Sample ID: Stockpile
Collection Date: 6/23/2011 11:35 AM

Work Order: 1106712
Lab ID: 1106712-01
Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------------|-------------|----------------------|--------------------|
| <i>Surr: 2-Fluorobiphenyl</i> | 62.0 | | 12-100 | %REC | 1 | 6/27/2011 09:21 PM |
| <i>Surr: 2-Fluorophenol</i> | 78.0 | | 33-117 | %REC | 1 | 6/27/2011 09:21 PM |
| <i>Surr: 4-Terphenyl-d14</i> | 82.1 | | 25-137 | %REC | 1 | 6/27/2011 09:21 PM |
| <i>Surr: Nitrobenzene-d5</i> | 78.0 | | 37-107 | %REC | 1 | 6/27/2011 09:21 PM |
| <i>Surr: Phenol-d6</i> | 67.7 | | 40-106 | %REC | 1 | 6/27/2011 09:21 PM |
| VOLATILE ORGANIC COMPOUNDS | | | SW8260 | | | Analyst: AK |
| Benzene | ND | | 120 | µg/Kg-dry | 100 | 6/27/2011 02:29 PM |
| Ethylbenzene | ND | | 120 | µg/Kg-dry | 100 | 6/27/2011 02:29 PM |
| m,p-Xylene | ND | | 120 | µg/Kg-dry | 100 | 6/27/2011 02:29 PM |
| o-Xylene | ND | | 120 | µg/Kg-dry | 100 | 6/27/2011 02:29 PM |
| Toluene | ND | | 120 | µg/Kg-dry | 100 | 6/27/2011 02:29 PM |
| Xylenes, Total | ND | | 350 | µg/Kg-dry | 100 | 6/27/2011 02:29 PM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 95.7 | | 70-120 | %REC | 100 | 6/27/2011 02:29 PM |
| <i>Surr: 4-Bromofluorobenzene</i> | 98.1 | | 75-120 | %REC | 100 | 6/27/2011 02:29 PM |
| <i>Surr: Dibromofluoromethane</i> | 94.5 | | 85-115 | %REC | 100 | 6/27/2011 02:29 PM |
| <i>Surr: Toluene-d8</i> | 99.0 | | 85-115 | %REC | 100 | 6/27/2011 02:29 PM |
| CHROMIUM, TRIVALENT | | | CALCULATION | | | Analyst: EE |
| Chromium, Trivalent | 7.5 | | | mg/L-dry | 1 | 6/28/2011 04:45 PM |
| CHROMIUM, HEXAVALENT | | | SW7196A | | Prep Date: 6/28/2011 | Analyst: MB |
| Chromium, Hexavalent | ND | | 0.56 | mg/Kg-dry | 1 | 6/28/2011 04:00 PM |
| MOISTURE | | | A2540 G | | | Analyst: JS |
| Moisture | 14 | | 0.050 | % of sample | 1 | 6/27/2011 01:42 PM |
| PH | | | SW9045D | | | Analyst: CV |
| pH | 8.34 | | | s.u. | 1 | 6/27/2011 01:45 PM |

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

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions
 Project: Black Hills Fed 35-2 Pit 11-201
 Sample ID: BKGD 1
 Collection Date: 6/23/2011 11:59 AM

Work Order: 1106712
 Lab ID: 1106712-02
 Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-------------------------------|--------------|------|--------------------|-------------|----------------------|--------------------|
| METALS BY ICP-MS | | | SW6020A | | Prep Date: 6/28/2011 | Analyst: CES |
| Arsenic | 4.4 | | 0.77 | mg/Kg-dry | 2 | 6/29/2011 07:47 PM |
| SUBCONTRACTED ANALYSES | | | SUBCONTRACT | | | Analyst: A&LGL |
| Subcontracted Analyses | Rcvd 6/29/11 | | attached | | 1 | 6/29/2011 |
| MOISTURE | | | A2540 G | | | Analyst: JS |
| Moisture | 5.7 | | 0.050 | % of sample | 1 | 6/27/2011 03:44 PM |
| PH | | | SW9045D | | | Analyst: CV |
| pH | 7.31 | | | s.u. | 1 | 6/27/2011 01:45 PM |

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

Report Number: F11179-0155
Account 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: 1106712

DATE RECEIVED: 06/28/2011
DATE REPORTED: 06/29/2011
PAGE: 1
P.O. NUMBER: 20-122010309

REPORT OF ANALYSIS

ATTN: ANN PRESTON

| LAB NO. | SAMPLE ID | ANALYSIS | RESULT | UNIT | METHOD |
|---------|-----------|---------------------------------|--------|---------|------------------|
| 83482 | 01C | Sat'd Paste Extraction with DIW | 1 | | USDA Handbook 60 |
| | | Conductivity (ECe) | 8.01 | mmho/cm | USDA Handbook 60 |
| | | Calcium (Sat'd Paste) | 269 | ppm | USDA Handbook 60 |
| | | Magnesium (Sat'd Paste) | 313 | ppm | USDA Handbook 60 |
| | | Sodium (Sat'd Paste) | 5389 | ppm | USDA Handbook 60 |
| | | Sodium Adsorption Ratio | 52.7 | - | USDA Handbook 60 |
| 83483 | 02B | Sat'd Paste Extraction with DIW | 1 | | USDA Handbook 60 |
| | | Conductivity (ECe) | 0.27 | mmho/cm | USDA Handbook 60 |
| | | Calcium (Sat'd Paste) | 24 | ppm | USDA Handbook 60 |
| | | Magnesium (Sat'd Paste) | 9 | ppm | USDA Handbook 60 |
| | | Sodium (Sat'd Paste) | 64 | ppm | USDA Handbook 60 |
| | | Sodium Adsorption Ratio | 2.8 | - | USDA Handbook 60 |

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Pit 11-201
Sample ID: BKGD 2
Collection Date: 6/23/2011 12:03 PM

Work Order: 1106712
Lab ID: 1106712-03
Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-------------------------|--------|------|----------------|-------------|-----------------------------|---------------------|
| METALS BY ICP-MS | | | SW6020A | | Prep Date: 6/28/2011 | Analyst: CES |
| Arsenic | 3.5 | | 0.85 | mg/Kg-dry | 2 | 6/29/2011 07:53 PM |
| MOISTURE | | | A2540 G | | | Analyst: JS |
| Moisture | 13 | | 0.050 | % of sample | 1 | 6/27/2011 03:44 PM |

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

ALS Group USA, Corp

Date: 30-Jun-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Pit 11-201
Sample ID: BKGD 3
Collection Date: 6/23/2011 12:14 PM

Work Order: 1106712
Lab ID: 1106712-04
Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-------------------------|--------|------|----------------|-------------|----------------------|--------------------|
| METALS BY ICP-MS | | | SW6020A | | Prep Date: 6/28/2011 | Analyst: CES |
| Arsenic | 5.3 | | 0.76 | mg/Kg-dry | 2 | 6/29/2011 07:59 PM |
| MOISTURE | | | A2540 G | | | Analyst: JS |
| Moisture | 5.3 | | 0.050 | % of sample | 1 | 6/27/2011 03:44 PM |

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

Client: HRL Compliance Solutions
 Work Order: 1106712
 Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: 34037 Instrument ID GC8 Method: SW8015M

| MBLK | | Sample ID: DBLKS1-34037-34037 | | | Units: mg/Kg | | Analysis Date: 6/27/2011 10:05 PM | | | |
|-----------------------|--------|-------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC8_110627A | | | SeqNo: 1663399 | | Prep Date: 6/27/2011 | | 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 | 1.644 | 0 | 1.667 | 0 | 98.6 | 39-115 | 0 | | | |

| LCS | | Sample ID: DLCSS1-34037-34037 | | | Units: mg/Kg | | Analysis Date: 6/27/2011 08:51 PM | | | |
|-----------------------|--------|-------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC8_110627A | | | SeqNo: 1663374 | | Prep Date: 6/27/2011 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| DRO (C10-C28) | 138 | 4.2 | 166.7 | 0 | 82.8 | 60-130 | 0 | | | |
| Surr: 4-Terphenyl-d14 | 1.383 | 0 | 1.667 | 0 | 83 | 39-115 | 0 | | | |

| LCSD | | Sample ID: DLCSDS1-34037-34037 | | | Units: mg/Kg | | Analysis Date: 6/27/2011 08:51 PM | | | |
|-----------------------|--------|--------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC8_110627A | | | SeqNo: 1663397 | | Prep Date: 6/27/2011 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| DRO (C10-C28) | 134.3 | 4.2 | 166.7 | 0 | 80.6 | 60-130 | 138 | 2.73 | 30 | |
| Surr: 4-Terphenyl-d14 | 1.373 | 0 | 1.667 | 0 | 82.4 | 39-115 | 1.383 | 0.75 | 30 | |

| MS | | Sample ID: 1106659-05B MS | | | Units: mg/Kg | | Analysis Date: 6/27/2011 09:16 PM | | | |
|-----------------------|--------|---------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC8_110627A | | | SeqNo: 1663375 | | Prep Date: 6/27/2011 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| DRO (C10-C28) | 285.8 | 8.0 | 319.1 | 2.093 | 88.9 | 60-130 | 0 | | | |
| Surr: 4-Terphenyl-d14 | 2.457 | 0 | 3.191 | 0 | 77 | 39-115 | 0 | | | |

| MSD | | Sample ID: 1106659-05B MSD | | | Units: mg/Kg | | Analysis Date: 6/27/2011 09:16 PM | | | |
|-----------------------|--------|----------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC8_110627A | | | SeqNo: 1663398 | | Prep Date: 6/27/2011 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| DRO (C10-C28) | 277.9 | 8.3 | 330.8 | 2.093 | 83.4 | 60-130 | 285.8 | 2.79 | 30 | |
| Surr: 4-Terphenyl-d14 | 2.514 | 0 | 3.308 | 0 | 76 | 39-115 | 2.457 | 2.31 | 30 | |

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions
 Work Order: 1106712
 Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: R91627 Instrument ID GC9 Method: SW8015

| MBLK | | Sample ID: MBLK-R91627-R91627 | | | | Units: µg/L | | Analysis Date: 6/27/2011 07:18 PM | | |
|------------------|--------|-------------------------------|---------|---------------|----------------|---------------|---------------|-----------------------------------|-----------|------|
| Client ID: | | Run ID: GC9_110627B | | | SeqNo: 1663008 | 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 | 106.4 | 0 | 100 | 0 | 106 | 70-130 | 0 | | | |

| LCS | | Sample ID: LCS-R91627-R91627 | | | | Units: µg/L | | Analysis Date: 6/27/2011 05:59 PM | | |
|------------------|--------|------------------------------|---------|---------------|----------------|---------------|---------------|-----------------------------------|-----------|------|
| Client ID: | | Run ID: GC9_110627B | | | SeqNo: 1663006 | 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) | 26580 | 200 | 25000 | 0 | 106 | 70-130 | 0 | | | |
| Surr: Toluene-d8 | 109.5 | 0 | 100 | 0 | 109 | 70-130 | 0 | | | |

| LCSD | | Sample ID: LCSD-R91627-R91627 | | | | Units: µg/L | | Analysis Date: 6/27/2011 06:25 PM | | |
|------------------|--------|-------------------------------|---------|---------------|----------------|---------------|---------------|-----------------------------------|-----------|------|
| Client ID: | | Run ID: GC9_110627B | | | SeqNo: 1663007 | 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) | 26170 | 200 | 25000 | 0 | 105 | 70-130 | 26580 | 1.56 | 30 | |
| Surr: Toluene-d8 | 107.2 | 0 | 100 | 0 | 107 | 70-130 | 109.5 | 2.06 | 30 | |

| MS | | Sample ID: 1106715-23A MS | | | | Units: µg/Kg | | Analysis Date: 6/28/2011 04:28 AM | | |
|------------------|---------|---------------------------|---------|---------------|----------------|---------------|---------------|-----------------------------------|-----------|------|
| Client ID: | | Run ID: GC9_110627B | | | SeqNo: 1663027 | 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) | 1322000 | 2,500 | 1250000 | 0 | 106 | 70-130 | 0 | | | |
| Surr: Toluene-d8 | 5434 | 0 | 5000 | 0 | 109 | 50-150 | 0 | | | |

| MSD | | Sample ID: 1106715-23A MSD | | | | Units: µg/Kg | | Analysis Date: 6/28/2011 04:54 AM | | |
|------------------|---------|----------------------------|---------|---------------|----------------|---------------|---------------|-----------------------------------|-----------|------|
| Client ID: | | Run ID: GC9_110627B | | | SeqNo: 1663028 | 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) | 1288000 | 2,500 | 1250000 | 0 | 103 | 70-130 | 1322000 | 2.59 | 30 | |
| Surr: Toluene-d8 | 5249 | 0 | 5000 | 0 | 105 | 50-150 | 5434 | 3.47 | 30 | |

The following samples were analyzed in this batch: | 1106712-01A |

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

Client: HRL Compliance Solutions
 Work Order: 1106712
 Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: 34082 Instrument ID HG1 Method: SW7471

MBLK Sample ID: MBLK-34082-34082 Units: mg/Kg Analysis Date: 6/28/2011 04:19 PM
 Client ID: Run ID: HG1_110628A SeqNo: 1663603 Prep Date: 6/28/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|----------|-------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Mercury | 0.001583 | 0.020 | | | | | | | | J |

LCS Sample ID: LCS-34082-34082 Units: mg/Kg Analysis Date: 6/28/2011 04:22 PM
 Client ID: Run ID: HG1_110628A SeqNo: 1663604 Prep Date: 6/28/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|-------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Mercury | 0.1764 | 0.020 | 0.1665 | 0 | 106 | 80-120 | 0 | | | |

LCSD Sample ID: LCSD-34082-34082 Units: mg/Kg Analysis Date: 6/28/2011 04:24 PM
 Client ID: Run ID: HG1_110628A SeqNo: 1663605 Prep Date: 6/28/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|-------|---------|---------------|------|---------------|---------------|-------|-----------|------|
| Mercury | 0.1772 | 0.020 | 0.1665 | 0 | 106 | 80-120 | 0.1764 | 0.424 | 20 | |

MS Sample ID: 1106665-12BMS Units: mg/Kg Analysis Date: 6/28/2011 04:52 PM
 Client ID: Run ID: HG1_110628A SeqNo: 1663619 Prep Date: 6/28/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|-------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Mercury | 0.1579 | 0.018 | 0.1507 | 0.01008 | 98.1 | 75-125 | 0 | | | |

MSD Sample ID: 1106665-12BMSD Units: mg/Kg Analysis Date: 6/28/2011 04:54 PM
 Client ID: Run ID: HG1_110628A SeqNo: 1663620 Prep Date: 6/28/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|-------|---------|---------------|------|---------------|---------------|-------|-----------|------|
| Mercury | 0.1564 | 0.018 | 0.1518 | 0.01008 | 96.4 | 75-125 | 0.1579 | 0.977 | 35 | |

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions
 Work Order: 1106712
 Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: 34033 Instrument ID ICPMS2 Method: SW6020A

MBLK Sample ID: MBLK-34033-34033 Units: mg/Kg Analysis Date: 6/27/2011 05:44 PM
 Client ID: Run ID: ICPMS2_110627A SeqNo: 1662368 Prep Date: 6/26/2011 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 | 0.00656 | 0.25 | | | | | | | | J |
| Copper | ND | 0.25 | | | | | | | | |
| Lead | ND | 0.25 | | | | | | | | |
| Nickel | ND | 0.25 | | | | | | | | |
| Selenium | ND | 0.25 | | | | | | | | |
| Silver | ND | 0.25 | | | | | | | | |
| Zinc | ND | 0.50 | | | | | | | | |

LCS Sample ID: LCS-34033-34033 Units: mg/Kg Analysis Date: 6/27/2011 06:03 PM
 Client ID: Run ID: ICPMS2_110627A SeqNo: 1662371 Prep Date: 6/26/2011 DF: 2

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Arsenic | 4.737 | 0.50 | 5 | 0 | 94.7 | 80-120 | 0 | | | |
| Barium | 4.565 | 0.50 | 5 | 0 | 91.3 | 80-120 | 0 | | | |
| Cadmium | 4.554 | 0.20 | 5 | 0 | 91.1 | 80-120 | 0 | | | |
| Chromium | 4.864 | 0.50 | 5 | 0 | 97.3 | 80-120 | 0 | | | |
| Copper | 4.894 | 0.50 | 5 | 0 | 97.9 | 80-120 | 0 | | | |
| Lead | 4.784 | 0.50 | 5 | 0 | 95.7 | 80-120 | 0 | | | |
| Nickel | 5.001 | 0.50 | 5 | 0 | 100 | 80-120 | 0 | | | |
| Selenium | 4.719 | 0.50 | 5 | 0 | 94.4 | 80-120 | 0 | | | |
| Silver | 4.683 | 0.50 | 5 | 0 | 93.7 | 80-120 | 0 | | | |
| Zinc | 4.782 | 1.0 | 5 | 0 | 95.6 | 80-120 | 0 | | | |

LCSD Sample ID: LCSD-34033-34033 Units: mg/Kg Analysis Date: 6/27/2011 06:08 PM
 Client ID: Run ID: ICPMS2_110627A SeqNo: 1662372 Prep Date: 6/26/2011 DF: 2

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------|--------|------|---------|---------------|------|---------------|---------------|-------|-----------|------|
| Arsenic | 4.679 | 0.50 | 5 | 0 | 93.6 | 80-120 | 4.737 | 1.23 | 20 | |
| Barium | 4.489 | 0.50 | 5 | 0 | 89.8 | 80-120 | 4.565 | 1.68 | 20 | |
| Cadmium | 4.474 | 0.20 | 5 | 0 | 89.5 | 80-120 | 4.554 | 1.77 | 20 | |
| Chromium | 4.785 | 0.50 | 5 | 0 | 95.7 | 80-120 | 4.864 | 1.64 | 20 | |
| Copper | 4.848 | 0.50 | 5 | 0 | 97 | 80-120 | 4.894 | 0.944 | 20 | |
| Lead | 4.715 | 0.50 | 5 | 0 | 94.3 | 80-120 | 4.784 | 1.45 | 20 | |
| Nickel | 4.928 | 0.50 | 5 | 0 | 98.6 | 80-120 | 5.001 | 1.47 | 20 | |
| Selenium | 4.609 | 0.50 | 5 | 0 | 92.2 | 80-120 | 4.719 | 2.36 | 20 | |
| Silver | 4.582 | 0.50 | 5 | 0 | 91.6 | 80-120 | 4.683 | 2.18 | 20 | |
| Zinc | 5.742 | 1.0 | 5 | 0 | 115 | 80-120 | 4.782 | 18.2 | 20 | |

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

Client: HRL Compliance Solutions
Work Order: 1106712
Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: 34033 Instrument ID ICPMS2 Method: SW6020A

| MS | | Sample ID: 1106715-22BMS | | | Units: mg/Kg | | Analysis Date: 6/28/2011 12:37 PM | | | |
|------------|--------|--------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: ICPMS2_110628A | | | SeqNo: 1662984 | | Prep Date: 6/26/2011 | | DF: 4 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Arsenic | 11.95 | 1.5 | 7.331 | 4.688 | 99.1 | 80-120 | 0 | | | |
| Cadmium | 6.833 | 0.59 | 7.331 | 0.09582 | 91.9 | 80-120 | 0 | | | |
| Chromium | 10.74 | 1.5 | 7.331 | 3.74 | 95.5 | 80-120 | 0 | | | |
| Copper | 8.742 | 1.5 | 7.331 | 1.782 | 94.9 | 80-120 | 0 | | | |
| Lead | 8.358 | 1.5 | 7.331 | 1.634 | 91.7 | 80-120 | 0 | | | |
| Nickel | 10.55 | 1.5 | 7.331 | 3.249 | 99.6 | 80-120 | 0 | | | |
| Selenium | 7.188 | 1.5 | 7.331 | 0.2038 | 95.3 | 80-120 | 0 | | | |
| Silver | 6.707 | 1.5 | 7.331 | 0.007696 | 91.4 | 80-120 | 0 | | | |

| MS | | Sample ID: 1106715-22BMS | | | Units: mg/Kg | | Analysis Date: 6/28/2011 12:37 PM | | | |
|------------|--------|--------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: ICPMS2_110628B | | | SeqNo: 1663345 | | Prep Date: 6/26/2011 | | DF: 4 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Barium | 40.03 | 1.5 | 7.331 | 32.93 | 96.8 | 80-120 | 0 | | | O |

| MS | | Sample ID: 1106715-22BMS | | | Units: mg/Kg | | Analysis Date: 6/28/2011 06:48 PM | | | |
|------------|--------|--------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: ICPMS2_110628C | | | SeqNo: 1663909 | | Prep Date: 6/26/2011 | | DF: 4 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Zinc | 19.57 | 2.9 | 7.331 | 12.89 | 91.2 | 80-120 | 0 | | | |

| MSD | | Sample ID: 1106715-22BMSD | | | Units: mg/Kg | | Analysis Date: 6/28/2011 12:42 PM | | | |
|------------|--------|---------------------------|---------|---------------|----------------|---------------|-----------------------------------|-------|-----------|------|
| Client ID: | | Run ID: ICPMS2_110628A | | | SeqNo: 1662985 | | Prep Date: 6/26/2011 | | DF: 4 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Arsenic | 12.53 | 1.5 | 7.576 | 4.688 | 104 | 80-120 | 11.95 | 4.74 | 25 | |
| Cadmium | 6.961 | 0.61 | 7.576 | 0.09582 | 90.6 | 80-120 | 6.833 | 1.85 | 25 | |
| Chromium | 10.85 | 1.5 | 7.576 | 3.74 | 93.9 | 80-120 | 10.74 | 1.04 | 25 | |
| Copper | 8.63 | 1.5 | 7.576 | 1.782 | 90.4 | 80-120 | 8.742 | 1.29 | 25 | |
| Lead | 8.288 | 1.5 | 7.576 | 1.634 | 87.8 | 80-120 | 8.358 | 0.84 | 25 | |
| Nickel | 10.62 | 1.5 | 7.576 | 3.249 | 97.2 | 80-120 | 10.55 | 0.631 | 25 | |
| Selenium | 7.348 | 1.5 | 7.576 | 0.2038 | 94.3 | 80-120 | 7.188 | 2.21 | 25 | |
| Silver | 6.776 | 1.5 | 7.576 | 0.007696 | 89.3 | 80-120 | 6.707 | 1.02 | 25 | |

| MSD | | Sample ID: 1106715-22BMSD | | | Units: mg/Kg | | Analysis Date: 6/28/2011 12:42 PM | | | |
|------------|--------|---------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: ICPMS2_110628B | | | SeqNo: 1663346 | | Prep Date: 6/26/2011 | | DF: 4 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Barium | 44.97 | 1.5 | 7.576 | 32.93 | 159 | 80-120 | 40.03 | 11.6 | 25 | SO |

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

Client: HRL Compliance Solutions
Work Order: 1106712
Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: 34033 Instrument ID ICPMS2 Method: SW6020A

MSD Sample ID: 1106715-22BMDS Units: mg/Kg Analysis Date: 6/28/2011 06:53 PM

Client ID: Run ID: ICPMS2_110628C SeqNo: 1663910 Prep Date: 6/26/2011 DF: 4

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|-----|---------|---------------|------|---------------|---------------|-------|-----------|------|
| Zinc | 19.65 | 3.0 | 7.576 | 12.89 | 89.2 | 80-120 | 19.57 | 0.376 | 25 | |

The following samples were analyzed in this batch:

1106712-01B

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

Client: HRL Compliance Solutions
 Work Order: 1106712
 Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: 34077 Instrument ID ICPMS1 Method: SW6020A

MBLK Sample ID: MBLK-34077-34077 Units: mg/Kg Analysis Date: 6/29/2011 03:57 PM
 Client ID: Run ID: ICPMS1_110628A SeqNo: 1665255 Prep Date: 6/28/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Arsenic | ND | 0.25 | | | | | | | | |

LCS Sample ID: LCS-34077-34077 Units: mg/Kg Analysis Date: 6/29/2011 04:03 PM
 Client ID: Run ID: ICPMS1_110628A SeqNo: 1665256 Prep Date: 6/28/2011 DF: 2

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Arsenic | 4.818 | 0.50 | 5 | 0 | 96.4 | 80-120 | 0 | | | |

LCSD Sample ID: LCSD-34077-34077 Units: mg/Kg Analysis Date: 6/29/2011 04:09 PM
 Client ID: Run ID: ICPMS1_110628A SeqNo: 1665257 Prep Date: 6/28/2011 DF: 2

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Arsenic | 4.622 | 0.50 | 5 | 0 | 92.4 | 80-120 | 4.818 | 4.15 | 20 | |

MS Sample ID: 1106665-37BMS Units: mg/Kg Analysis Date: 6/29/2011 04:33 PM
 Client ID: Run ID: ICPMS1_110628A SeqNo: 1665269 Prep Date: 6/28/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Arsenic | 7.213 | 0.41 | 8.21 | 0.7044 | 79.3 | 80-120 | 0 | | | S |

MSD Sample ID: 1106665-37BMSD Units: mg/Kg Analysis Date: 6/29/2011 04:39 PM
 Client ID: Run ID: ICPMS1_110628A SeqNo: 1665320 Prep Date: 6/28/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Arsenic | 7.071 | 0.41 | 8.17 | 0.7044 | 77.9 | 80-120 | 7.213 | 1.98 | 25 | S |

The following samples were analyzed in this batch: 1106712-02A 1106712-03A 1106712-04A

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

Client: HRL Compliance Solutions
Work Order: 1106712
Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: 34036 Instrument ID SVMS6 Method: SW8270

| MBLK | Sample ID: SBLKS1-34036-34036 | Units: µg/Kg | | | | Analysis Date: 6/27/2011 07:54 PM | | | | |
|-----------------------------------|-------------------------------|----------------|----------------------|---------------|------|-----------------------------------|---------------|------|-----------|------|
| Client ID: | Run ID: SVMS6_110627A | SeqNo: 1662695 | Prep Date: 6/27/2011 | 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 | | | | | | | | |
| <i>Surr: 2,4,6-Tribromophenol</i> | 904.7 | 0 | 1667 | 0 | 54.3 | 34-140 | 0 | | | |
| <i>Surr: 2-Fluorobiphenyl</i> | 988 | 0 | 1667 | 0 | 59.3 | 12-100 | 0 | | | |
| <i>Surr: 2-Fluorophenol</i> | 1108 | 0 | 1667 | 0 | 66.5 | 33-117 | 0 | | | |
| <i>Surr: 4-Terphenyl-d14</i> | 1578 | 0 | 1667 | 0 | 94.7 | 25-137 | 0 | | | |
| <i>Surr: Nitrobenzene-d5</i> | 1067 | 0 | 1667 | 0 | 64 | 37-107 | 0 | | | |
| <i>Surr: Phenol-d6</i> | 1048 | 0 | 1667 | 0 | 62.9 | 40-106 | 0 | | | |

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

Client: HRL Compliance Solutions
 Work Order: 1106712
 Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: 34036 Instrument ID SVMS6 Method: SW8270

| LCS | | Sample ID: SLCSS1-34036-34036 | | | Units: µg/Kg | | Analysis Date: 6/27/2011 08:21 PM | | | |
|----------------------------|--------|-------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: SVMS6_110627A | | | SeqNo: 1662697 | | Prep Date: 6/27/2011 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Acenaphthene | 1081 | 30 | 1333 | 0 | 81.1 | 45-110 | 0 | | | |
| Anthracene | 1267 | 30 | 1333 | 0 | 95 | 55-105 | 0 | | | |
| Benzo(a)anthracene | 1129 | 30 | 1333 | 0 | 84.7 | 50-110 | 0 | | | |
| Benzo(a)pyrene | 1128 | 30 | 1333 | 0 | 84.6 | 50-110 | 0 | | | |
| Benzo(b)fluoranthene | 1165 | 30 | 1333 | 0 | 87.4 | 45-115 | 0 | | | |
| Benzo(g,h,i)perylene | 1227 | 30 | 1333 | 0 | 92 | 40-125 | 0 | | | |
| Benzo(k)fluoranthene | 1309 | 30 | 1333 | 0 | 98.2 | 45-115 | 0 | | | |
| Chrysene | 1112 | 30 | 1333 | 0 | 83.4 | 55-110 | 0 | | | |
| Dibenzo(a,h)anthracene | 1205 | 30 | 1333 | 0 | 90.4 | 40-125 | 0 | | | |
| Fluoranthene | 1281 | 30 | 1333 | 0 | 96.1 | 55-115 | 0 | | | |
| Fluorene | 1243 | 30 | 1333 | 0 | 93.2 | 50-110 | 0 | | | |
| Indeno(1,2,3-cd)pyrene | 1188 | 30 | 1333 | 0 | 89.1 | 40-120 | 0 | | | |
| Naphthalene | 1022 | 30 | 1333 | 0 | 76.7 | 40-105 | 0 | | | |
| Pyrene | 1059 | 30 | 1333 | 0 | 79.4 | 45-125 | 0 | | | |
| Surr: 2,4,6-Tribromophenol | 1258 | 0 | 1667 | 0 | 75.5 | 34-140 | 0 | | | |
| Surr: 2-Fluorobiphenyl | 1156 | 0 | 1667 | 0 | 69.4 | 12-100 | 0 | | | |
| Surr: 2-Fluorophenol | 1108 | 0 | 1667 | 0 | 66.5 | 33-117 | 0 | | | |
| Surr: 4-Terphenyl-d14 | 1399 | 0 | 1667 | 0 | 83.9 | 25-137 | 0 | | | |
| Surr: Nitrobenzene-d5 | 1204 | 0 | 1667 | 0 | 72.3 | 37-107 | 0 | | | |
| Surr: Phenol-d6 | 1145 | 0 | 1667 | 0 | 68.7 | 40-106 | 0 | | | |

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

Client: HRL Compliance Solutions
Work Order: 1106712
Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: 34036 Instrument ID SVMS6 Method: SW8270

| LCSD | Sample ID: SLCSDS1-34036-34036 | Units: µg/Kg | | | | | Analysis Date: 6/27/2011 08:48 PM | | | | |
|-----------------------------------|--------------------------------|----------------|----------------------|---------------|------|---------------|-----------------------------------|-------|-----------|------|--|
| Client ID: | Run ID: SVMS6_110627A | SeqNo: 1662699 | Prep Date: 6/27/2011 | DF: 1 | | | | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Acenaphthene | 1062 | 30 | 1333 | 0 | 79.7 | 45-110 | 1081 | 1.77 | 25 | | |
| Anthracene | 1279 | 30 | 1333 | 0 | 95.9 | 55-105 | 1267 | 0.943 | 25 | | |
| Benzo(a)anthracene | 1143 | 30 | 1333 | 0 | 85.7 | 50-110 | 1129 | 1.2 | 25 | | |
| Benzo(a)pyrene | 1148 | 30 | 1333 | 0 | 86.1 | 50-110 | 1128 | 1.79 | 25 | | |
| Benzo(b)fluoranthene | 1189 | 30 | 1333 | 0 | 89.2 | 45-115 | 1165 | 2.04 | 25 | | |
| Benzo(g,h,i)perylene | 1288 | 30 | 1333 | 0 | 96.6 | 40-125 | 1227 | 4.85 | 25 | | |
| Benzo(k)fluoranthene | 1302 | 30 | 1333 | 0 | 97.6 | 45-115 | 1309 | 0.536 | 25 | | |
| Chrysene | 1112 | 30 | 1333 | 0 | 83.4 | 55-110 | 1112 | 0.06 | 25 | | |
| Dibenzo(a,h)anthracene | 1249 | 30 | 1333 | 0 | 93.7 | 40-125 | 1205 | 3.61 | 25 | | |
| Fluoranthene | 1289 | 30 | 1333 | 0 | 96.7 | 55-115 | 1281 | 0.674 | 25 | | |
| Fluorene | 1239 | 30 | 1333 | 0 | 92.9 | 50-110 | 1243 | 0.349 | 25 | | |
| Indeno(1,2,3-cd)pyrene | 1237 | 30 | 1333 | 0 | 92.8 | 40-120 | 1188 | 4.07 | 25 | | |
| Naphthalene | 1075 | 30 | 1333 | 0 | 80.6 | 40-105 | 1022 | 4.99 | 25 | | |
| Pyrene | 1065 | 30 | 1333 | 0 | 79.9 | 45-125 | 1059 | 0.534 | 25 | | |
| <i>Surr: 2,4,6-Tribromophenol</i> | 1283 | 0 | 1667 | 0 | 77 | 34-140 | 1258 | 1.99 | 40 | | |
| <i>Surr: 2-Fluorobiphenyl</i> | 1185 | 0 | 1667 | 0 | 71.1 | 12-100 | 1156 | 2.48 | 40 | | |
| <i>Surr: 2-Fluorophenol</i> | 1176 | 0 | 1667 | 0 | 70.6 | 33-117 | 1108 | 5.98 | 40 | | |
| <i>Surr: 4-Terphenyl-d14</i> | 1425 | 0 | 1667 | 0 | 85.5 | 25-137 | 1399 | 1.86 | 40 | | |
| <i>Surr: Nitrobenzene-d5</i> | 1259 | 0 | 1667 | 0 | 75.5 | 37-107 | 1204 | 4.41 | 40 | | |
| <i>Surr: Phenol-d6</i> | 1199 | 0 | 1667 | 0 | 71.9 | 40-106 | 1145 | 4.64 | 40 | | |

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

Client: HRL Compliance Solutions
Work Order: 1106712
Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: 34036 Instrument ID SVMS6 Method: SW8270

| MS | | Sample ID: 1106659-05B MS | | | Units: µg/Kg | | Analysis Date: 6/27/2011 10:35 PM | | | |
|-----------------------------------|--------|---------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: SVMS6_110627A | | | SeqNo: 1662967 | | Prep Date: 6/27/2011 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Acenaphthene | 2044 | 58 | 2591 | 0 | 78.9 | 45-110 | 0 | | | |
| Anthracene | 2385 | 58 | 2591 | 0 | 92.1 | 55-105 | 0 | | | |
| Benzo(a)anthracene | 2169 | 58 | 2591 | 0 | 83.7 | 50-110 | 0 | | | |
| Benzo(a)pyrene | 2135 | 58 | 2591 | 29.33 | 81.3 | 50-110 | 0 | | | |
| Benzo(b)fluoranthene | 1982 | 58 | 2591 | 0 | 76.5 | 45-115 | 0 | | | |
| Benzo(g,h,i)perylene | 2304 | 58 | 2591 | 0 | 88.9 | 40-125 | 0 | | | |
| Benzo(k)fluoranthene | 2717 | 58 | 2591 | 0 | 105 | 45-115 | 0 | | | |
| Chrysene | 2120 | 58 | 2591 | 0 | 81.8 | 55-110 | 0 | | | |
| Dibenzo(a,h)anthracene | 2326 | 58 | 2591 | 29.65 | 88.6 | 40-125 | 0 | | | |
| Fluoranthene | 2392 | 58 | 2591 | 0 | 92.3 | 55-115 | 0 | | | |
| Fluorene | 2252 | 58 | 2591 | 0 | 86.9 | 50-110 | 0 | | | |
| Indeno(1,2,3-cd)pyrene | 2249 | 58 | 2591 | 0 | 86.8 | 40-120 | 0 | | | |
| Naphthalene | 2105 | 58 | 2591 | 0 | 81.2 | 40-105 | 0 | | | |
| Pyrene | 2021 | 58 | 2591 | 0 | 78 | 45-125 | 0 | | | |
| <i>Surr: 2,4,6-Tribromophenol</i> | 2410 | 0 | 3239 | 0 | 74.4 | 34-140 | 0 | | | |
| <i>Surr: 2-Fluorobiphenyl</i> | 2000 | 0 | 3239 | 0 | 61.7 | 12-100 | 0 | | | |
| <i>Surr: 2-Fluorophenol</i> | 2299 | 0 | 3239 | 0 | 71 | 33-117 | 0 | | | |
| <i>Surr: 4-Terphenyl-d14</i> | 2392 | 0 | 3239 | 0 | 73.9 | 25-137 | 0 | | | |
| <i>Surr: Nitrobenzene-d5</i> | 2580 | 0 | 3239 | 0 | 79.6 | 37-107 | 0 | | | |
| <i>Surr: Phenol-d6</i> | 2449 | 0 | 3239 | 0 | 75.6 | 40-106 | 0 | | | |

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

Client: HRL Compliance Solutions
 Work Order: 1106712
 Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: 34036 Instrument ID SVMS6 Method: SW8270

| MSD | Sample ID: 1106659-05B MSD | Units: µg/Kg | | | | | Analysis Date: 6/27/2011 11:02 PM | | | | |
|----------------------------|----------------------------|----------------|----------------------|---------------|------|---------------|-----------------------------------|------|-----------|------|--|
| Client ID: | Run ID: SVMS6_110627A | SeqNo: 1662971 | Prep Date: 6/27/2011 | DF: 1 | | | | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Acenaphthene | 1801 | 54 | 2399 | 0 | 75.1 | 45-110 | 2044 | 12.6 | 30 | | |
| Anthracene | 2084 | 54 | 2399 | 0 | 86.9 | 55-105 | 2385 | 13.5 | 30 | | |
| Benzo(a)anthracene | 1928 | 54 | 2399 | 0 | 80.4 | 50-110 | 2169 | 11.8 | 30 | | |
| Benzo(a)pyrene | 1876 | 54 | 2399 | 29.33 | 77 | 50-110 | 2135 | 12.9 | 30 | | |
| Benzo(b)fluoranthene | 2021 | 54 | 2399 | 0 | 84.3 | 45-115 | 1982 | 1.99 | 30 | | |
| Benzo(g,h,i)perylene | 2020 | 54 | 2399 | 0 | 84.2 | 40-125 | 2304 | 13.1 | 30 | | |
| Benzo(k)fluoranthene | 2054 | 54 | 2399 | 0 | 85.7 | 45-115 | 2717 | 27.8 | 30 | | |
| Chrysene | 1871 | 54 | 2399 | 0 | 78 | 55-110 | 2120 | 12.5 | 30 | | |
| Dibenzo(a,h)anthracene | 1997 | 54 | 2399 | 29.65 | 82 | 40-125 | 2326 | 15.2 | 30 | | |
| Fluoranthene | 2096 | 54 | 2399 | 0 | 87.4 | 55-115 | 2392 | 13.2 | 30 | | |
| Fluorene | 2038 | 54 | 2399 | 0 | 85 | 50-110 | 2252 | 9.95 | 30 | | |
| Indeno(1,2,3-cd)pyrene | 1946 | 54 | 2399 | 0 | 81.1 | 40-120 | 2249 | 14.5 | 30 | | |
| Naphthalene | 1870 | 54 | 2399 | 0 | 78 | 40-105 | 2105 | 11.8 | 30 | | |
| Pyrene | 1807 | 54 | 2399 | 0 | 75.3 | 45-125 | 2021 | 11.2 | 30 | | |
| Surr: 2,4,6-Tribromophenol | 2190 | 0 | 2998 | 0 | 73 | 34-140 | 2410 | 9.56 | 40 | | |
| Surr: 2-Fluorobiphenyl | 1780 | 0 | 2998 | 0 | 59.4 | 12-100 | 2000 | 11.6 | 40 | | |
| Surr: 2-Fluorophenol | 2054 | 0 | 2998 | 0 | 68.5 | 33-117 | 2299 | 11.3 | 40 | | |
| Surr: 4-Terphenyl-d14 | 2053 | 0 | 2998 | 0 | 68.5 | 25-137 | 2392 | 15.3 | 40 | | |
| Surr: Nitrobenzene-d5 | 2188 | 0 | 2998 | 0 | 73 | 37-107 | 2580 | 16.4 | 40 | | |
| Surr: Phenol-d6 | 2121 | 0 | 2998 | 0 | 70.7 | 40-106 | 2449 | 14.3 | 40 | | |

The following samples were analyzed in this batch: | 1106712-01B |

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

Client: HRL Compliance Solutions
 Work Order: 1106712
 Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: R91567A Instrument ID VMS9 Method: SW8260

MBLK Sample ID: VBLKW1-110627-R91567A Units: µg/L Analysis Date: 6/27/2011 01:18 PM

Client ID: Run ID: VMS9_110627A SeqNo: 1662533 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 | 96.26 | 0 | 100 | 0 | 96.3 | 70-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 96.93 | 0 | 100 | 0 | 96.9 | 75-120 | 0 | | | |
| Surr: Dibromofluoromethane | 97.48 | 0 | 100 | 0 | 97.5 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 99.3 | 0 | 100 | 0 | 99.3 | 85-120 | 0 | | | |

LCS Sample ID: VLCSW1-110627-R91567A Units: µg/L Analysis Date: 6/27/2011 12:07 PM

Client ID: Run ID: VMS9_110627A SeqNo: 1661396 Prep Date: DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|-----------------------------|--------|-----|---------|---------------|------|---------------|---------------|------|-----------|------|
| Benzene | 20.99 | 1.0 | 20 | 0 | 105 | 80-120 | 0 | | | |
| Ethylbenzene | 20.75 | 1.0 | 20 | 0 | 104 | 75-125 | 0 | | | |
| m,p-Xylene | 41.95 | 2.0 | 40 | 0 | 105 | 75-130 | 0 | | | |
| o-Xylene | 20.57 | 1.0 | 20 | 0 | 103 | 80-120 | 0 | | | |
| Toluene | 20.64 | 1.0 | 20 | 0 | 103 | 75-120 | 0 | | | |
| Xylenes, Total | 62.52 | 2.0 | 60 | 0 | 104 | 75-130 | 0 | | | |
| Surr: 1,2-Dichloroethane-d4 | 94.16 | 0 | 100 | 0 | 94.2 | 70-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 98.97 | 0 | 100 | 0 | 99 | 75-120 | 0 | | | |
| Surr: Dibromofluoromethane | 99.58 | 0 | 100 | 0 | 99.6 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 99.41 | 0 | 100 | 0 | 99.4 | 85-120 | 0 | | | |

LCS Sample ID: VLCSW1-110627-R91567A Units: µg/L Analysis Date: 6/27/2011 12:31 PM

Client ID: Run ID: VMS9_110627A SeqNo: 1661475 Prep Date: DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|-----------------------------|--------|-----|---------|---------------|------|---------------|---------------|-------|-----------|------|
| Benzene | 20.81 | 1.0 | 20 | 0 | 104 | 80-120 | 20.99 | 0.861 | 30 | |
| Ethylbenzene | 20.37 | 1.0 | 20 | 0 | 102 | 75-125 | 20.75 | 1.85 | 30 | |
| m,p-Xylene | 41.11 | 2.0 | 40 | 0 | 103 | 75-130 | 41.95 | 2.02 | 30 | |
| o-Xylene | 20.39 | 1.0 | 20 | 0 | 102 | 80-120 | 20.57 | 0.879 | 30 | |
| Toluene | 20.42 | 1.0 | 20 | 0 | 102 | 75-120 | 20.64 | 1.07 | 30 | |
| Xylenes, Total | 61.5 | 2.0 | 60 | 0 | 102 | 75-130 | 62.52 | 1.64 | 30 | |
| Surr: 1,2-Dichloroethane-d4 | 95.94 | 0 | 100 | 0 | 95.9 | 70-120 | 94.16 | 1.87 | 30 | |
| Surr: 4-Bromofluorobenzene | 99.81 | 0 | 100 | 0 | 99.8 | 75-120 | 98.97 | 0.845 | 30 | |
| Surr: Dibromofluoromethane | 100.2 | 0 | 100 | 0 | 100 | 85-115 | 99.58 | 0.631 | 30 | |
| Surr: Toluene-d8 | 98.91 | 0 | 100 | 0 | 98.9 | 85-120 | 99.41 | 0.504 | 30 | |

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

Client: HRL Compliance Solutions
 Work Order: 1106712
 Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: R91567A Instrument ID VMS9 Method: SW8260

| MS | | Sample ID: 1106675-02A MS | | | Units: µg/L | | Analysis Date: 6/27/2011 09:58 PM | | | |
|-----------------------------|--------|---------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: VMS9_110627A | | | SeqNo: 1662563 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 16.93 | 1.0 | 20 | 0.03 | 84.5 | 80-120 | 0 | | | |
| Ethylbenzene | 18.52 | 1.0 | 20 | 0.27 | 91.2 | 75-125 | 0 | | | |
| m,p-Xylene | 35.39 | 2.0 | 40 | 0.32 | 87.7 | 75-130 | 0 | | | |
| o-Xylene | 17.44 | 1.0 | 20 | 0 | 87.2 | 80-120 | 0 | | | |
| Toluene | 17.79 | 1.0 | 20 | 0.43 | 86.8 | 75-120 | 0 | | | |
| Xylenes, Total | 52.83 | 2.0 | 60 | 0.32 | 87.5 | 75-130 | 0 | | | |
| Surr: 1,2-Dichloroethane-d4 | 96.22 | 0 | 100 | 0 | 96.2 | 70-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 96.46 | 0 | 100 | 0 | 96.5 | 75-120 | 0 | | | |
| Surr: Dibromofluoromethane | 93.71 | 0 | 100 | 0 | 93.7 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 103.5 | 0 | 100 | 0 | 103 | 85-120 | 0 | | | |

| MSD | | Sample ID: 1106675-02A MSD | | | Units: µg/L | | Analysis Date: 6/27/2011 10:22 PM | | | |
|-----------------------------|--------|----------------------------|---------|---------------|----------------|---------------|-----------------------------------|-------|-----------|------|
| Client ID: | | Run ID: VMS9_110627A | | | SeqNo: 1662564 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 17.65 | 1.0 | 20 | 0.03 | 88.1 | 80-120 | 16.93 | 4.16 | 30 | |
| Ethylbenzene | 18.67 | 1.0 | 20 | 0.27 | 92 | 75-125 | 18.52 | 0.807 | 30 | |
| m,p-Xylene | 36.53 | 2.0 | 40 | 0.32 | 90.5 | 75-130 | 35.39 | 3.17 | 30 | |
| o-Xylene | 18.21 | 1.0 | 20 | 0 | 91 | 80-120 | 17.44 | 4.32 | 30 | |
| Toluene | 18.3 | 1.0 | 20 | 0.43 | 89.4 | 75-120 | 17.79 | 2.83 | 30 | |
| Xylenes, Total | 54.74 | 2.0 | 60 | 0.32 | 90.7 | 75-130 | 52.83 | 3.55 | 30 | |
| Surr: 1,2-Dichloroethane-d4 | 97.2 | 0 | 100 | 0 | 97.2 | 70-120 | 96.22 | 1.01 | 30 | |
| Surr: 4-Bromofluorobenzene | 97.3 | 0 | 100 | 0 | 97.3 | 75-120 | 96.46 | 0.867 | 30 | |
| Surr: Dibromofluoromethane | 95.38 | 0 | 100 | 0 | 95.4 | 85-115 | 93.71 | 1.77 | 30 | |
| Surr: Toluene-d8 | 102.8 | 0 | 100 | 0 | 103 | 85-120 | 103.5 | 0.708 | 30 | |

The following samples were analyzed in this batch: 1106712-01A

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

Client: HRL Compliance Solutions
 Work Order: 1106712
 Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: 34085 Instrument ID WETCHEM Method: SW7196A

MBLK Sample ID: **MBLK-34085-34085** Units: **mg/Kg** Analysis Date: **6/28/2011 04:00 PM**
 Client ID: Run ID: **WETCHEM_110628E** SeqNo: **1663501** Prep Date: **6/28/2011** DF: **1**

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------------------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Chromium, Hexavalent | ND | 0.48 | | | | | | | | |

LCS Sample ID: **LCS-34085-34085** Units: **mg/Kg** Analysis Date: **6/28/2011 04:00 PM**
 Client ID: Run ID: **WETCHEM_110628E** SeqNo: **1663499** Prep Date: **6/28/2011** DF: **1**

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------------------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Chromium, Hexavalent | 2.06 | 0.50 | 1.984 | 0 | 104 | 75-110 | 0 | | | |

LCSD Sample ID: **LCSD-34085-34085** Units: **mg/Kg** Analysis Date: **6/28/2011 04:00 PM**
 Client ID: Run ID: **WETCHEM_110628E** SeqNo: **1663500** Prep Date: **6/28/2011** DF: **1**

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------------------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Chromium, Hexavalent | 1.72 | 0.49 | 1.946 | 0 | 88.4 | 75-110 | 2.06 | 18 | 20 | |

MS Sample ID: **1106712-01B MS** Units: **mg/Kg** Analysis Date: **6/28/2011 04:00 PM**
 Client ID: **Stockpile** Run ID: **WETCHEM_110628E** SeqNo: **1663488** Prep Date: **6/28/2011** DF: **1**

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------------------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Chromium, Hexavalent | 0.832 | 0.49 | 1.953 | 0 | 42.6 | 60-130 | 0 | | | S |

MSD Sample ID: **1106712-01B MSD** Units: **mg/Kg** Analysis Date: **6/28/2011 04:00 PM**
 Client ID: **Stockpile** Run ID: **WETCHEM_110628E** SeqNo: **1663489** Prep Date: **6/28/2011** DF: **1**

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------------------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Chromium, Hexavalent | 1.328 | 0.49 | 1.953 | 0 | 68 | 60-130 | 0.832 | 45.9 | 30 | R |

The following samples were analyzed in this batch:

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

Client: HRL Compliance Solutions
Work Order: 1106712
Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: R91612 Instrument ID WETCHEM Method: SW9045D

DUP Sample ID: 1106704-01ADUP Units: s.u. Analysis Date: 6/27/2011 01:45 PM

Client ID: Run ID: WETCHEM_1106271 SeqNo: 1662572 Prep Date: DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|-----|---------|---------------|------|---------------|---------------|------|-----------|------|
| pH | 9.11 | 0 | 0 | 0 | 0 | 0-0 | 9.11 | 0 | 20 | |

DUP Sample ID: 1106714-06ADUP Units: s.u. Analysis Date: 6/27/2011 01:45 PM

Client ID: Run ID: WETCHEM_1106271 SeqNo: 1662584 Prep Date: DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|-----|---------|---------------|------|---------------|---------------|------|-----------|------|
| pH | 9.45 | 0 | 0 | 0 | 0 | 0-0 | 9.45 | 0 | 20 | |

The following samples were analyzed in this batch:

| | |
|-------------|-------------|
| 1106712-01B | 1106712-02A |
|-------------|-------------|

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

Client: HRL Compliance Solutions
Work Order: 1106712
Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: **R91618** Instrument ID **MOIST** Method: **A2540 G**

| | | | |
|----------------|---------------------------------|-----------------------|--|
| MBLK | Sample ID: WBLKS1-R91618 | Units: % of sample | Analysis Date: 6/27/2011 01:42 PM |
| Client ID: | Run ID: MOIST_110627A | SeqNo: 1662775 | 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-R91618 | Units: % of sample | Analysis Date: 6/27/2011 01:42 PM |
| Client ID: | Run ID: MOIST_110627A | SeqNo: 1662774 | 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: 1106712-01BDUP | Units: % of sample | Analysis Date: 6/27/2011 01:42 PM |
| Client ID: Stockpile | Run ID: MOIST_110627A | SeqNo: 1662754 | Prep Date: DF: 1 |
| Analyte | Result | PQL | SPK Val |
| | | SPK Ref Value | %REC |
| | | Control Limit | RPD Ref Value |
| | | | %RPD |
| | | | RPD Limit |
| | | | Qual |
| Moisture | 14.56 | 0.050 | 0 |
| | | | 0 |
| | | | 0 |
| | | | 0-0 |
| | | | 14.47 |
| | | | 0.62 |
| | | | 20 |

| | | | |
|----------------|----------------------------------|-----------------------|--|
| DUP | Sample ID: 1106715-18BDUP | Units: % of sample | Analysis Date: 6/27/2011 01:42 PM |
| Client ID: | Run ID: MOIST_110627A | SeqNo: 1662773 | Prep Date: DF: 1 |
| Analyte | Result | PQL | SPK Val |
| | | SPK Ref Value | %REC |
| | | Control Limit | RPD Ref Value |
| | | | %RPD |
| | | | RPD Limit |
| | | | Qual |
| Moisture | 40.73 | 0.050 | 0 |
| | | | 0 |
| | | | 0 |
| | | | 0-0 |
| | | | 43.02 |
| | | | 5.47 |
| | | | 20 |

The following samples were analyzed in this batch: 1106712-01B

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

Client: HRL Compliance Solutions
Work Order: 1106712
Project: Black Hills Fed 35-2 Pit 11-201

QC BATCH REPORT

Batch ID: **R91621** Instrument ID **MOIST** Method: **A2540 G**

| | | | | | | | | | | |
|-------------|---------------------------------|-------|---------|-----------------------|------|---------------|--|--------------|-----------|------|
| MBLK | Sample ID: WBLKS1-R91621 | | | Units: % of sample | | | Analysis Date: 6/27/2011 03:44 PM | | | |
| Client ID: | Run ID: MOIST_110627C | | | SeqNo: 1662850 | | 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-R91621 | | | Units: % of sample | | | Analysis Date: 6/27/2011 03:44 PM | | | |
| Client ID: | Run ID: MOIST_110627C | | | SeqNo: 1662849 | | 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: 1106715-24BDUP1 | | | Units: % of sample | | | Analysis Date: 6/27/2011 03:44 PM | | | |
| Client ID: | Run ID: MOIST_110627C | | | SeqNo: 1662845 | | Prep Date: | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Moisture | 17.79 | 0.050 | 0 | 0 | 0 | 0-0 | 18.32 | 2.94 | 20 | |

| | | | | | | | | | | |
|------------|-----------------------------------|-------|---------|-----------------------|------|---------------|--|--------------|-----------|------|
| DUP | Sample ID: 1106715-24BDUP2 | | | Units: % of sample | | | Analysis Date: 6/27/2011 03:44 PM | | | |
| Client ID: | Run ID: MOIST_110627C | | | SeqNo: 1662846 | | Prep Date: | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Moisture | 16.12 | 0.050 | 0 | 0 | 0 | 0-0 | 18.32 | 12.8 | 20 | |

| | | | | | | | | | | |
|------------|----------------------------------|-------|---------|-----------------------|------|---------------|--|--------------|-----------|------|
| DUP | Sample ID: 1106717-01ADUP | | | Units: % of sample | | | Analysis Date: 6/27/2011 03:44 PM | | | |
| Client ID: | Run ID: MOIST_110627C | | | SeqNo: 1662848 | | Prep Date: | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Moisture | 75.89 | 0.050 | 0 | 0 | 0 | 0-0 | 75.96 | 0.0922 | 20 | |

The following samples were analyzed in this batch: 1106712-02A 1106712-03A 1106712-04A

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

CHAIN-OF-CUSTODY RECORD


Subcontractor:
 A & L Great Lakes Agricultural Lc
 3505 Conestoga Dr
 FL Wayne, IN 46808

TEL: (260) 483-4759
FAX:
Acct #: 91000

Date: 25-Jun-11
COC ID: 2969
Due Date: 01-Jul-11

| Customer Information | | Project Information | | Parameter/Method Request for Analysis | | | | | | | | | | | |
|-------------------------|------------------------------|---------------------|------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| Purchase Order | | Project Name | 1106712 | A Subcontracted Analyses (SUBCONTRACT) | | | | | | | | | | | |
| Work Order | | Project Number | | SAR-EC | | | | | | | | | | | |
| Company Name | ALS Group USA, Corp | Bill To Company | ALS Group USA, Corp | | | | | | | | | | | | |
| Send Report To | Ann Preston | Inv Attn | Accounts Payable | | | | | | | | | | | | |
| Address | 3352 128th Avenue | Address | 3352 128th Avenue | | | | | | | | | | | | |
| City/State/Zip | Holland, Michigan 49424-9263 | City/State/Zip | Holland, Michigan 49424-9263 | | | | | | | | | | | | |
| Phone | (616) 399-6070 | Phone | (616) 399-6070 | | | | | | | | | | | | |
| Fax | (616) 399-6185 | Fax | (616) 399-6185 | | | | | | | | | | | | |
| eMail Address | ann.preston@alsglobal.com | eMail CC | | | | | | | | | | | | | |
| Sample ID | | Matrix | Collection Date 24hr | Bottle | | | | | | | | | | | |
| 1106712-01C (Stockpile) | | Soil | 23/Jun/2011 11:35 | (1) MISC | | | | | | | | | | | |
| 1106712-02B (BKGD 1) | | Soil | 23/Jun/2011 11:59 | (1) MISC | | | | | | | | | | | |

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

| | | | | | |
|--------------------|-----------|--------------------|-----------|------------|-----------------|
| Relinquished by: | Date/Time | Received by: | Date/Time | Cooler IDs | Report/QC Level |
| <i>Ann Preston</i> | 6/27/11 | <i>Ann Preston</i> | | | Std |
| Relinquished by: | Date/Time | Received by: | Date/Time | | |
| | | | | | |

Ann Preston

From: Kris Rowe [krowe@hrlcomp.com]
Sent: Friday, June 24, 2011 6:21 PM
To: Ann Preston
Subject: Samples

Ann,

We submitted some samples today (Friday) for Saturday delivery and one of the COC's indicated a Project Name of Black Hills Fed 35-3 Pit, can I get that to say Black Hills Fed 35-2 Pit. Sorry about that. We've sent a good majority of our coolers in the past couple of days, would it be possible to get some send back along with some 16 oz wide mouth jars in them?

I hope we aren't slamming you to bad with samples, we have a lot more to send in the next couple of weeks.

Kris Rowe
Environmental Scientist
HRL Compliance Solutions Inc.
970-261-2015
970-243-3271
krowe@hrlcomp.com
www.hrlcomp.com

ALS Group: Click [here](#) to report this email as spam.

6/24/2011

Sample Receipt Checklist

Client Name: HRL

Date/Time Received: 25-Jun-11 10:30

Work Order: 1106712

Received by: DS

Checklist completed by *Diane Shaw*
eSignature

25-Jun-11
Date

Reviewed by: *Ann Preston*
eSignature

25-Jun-11
Date

Matrices: Soil

Carrier name: FedEx

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temperature(s)/Thermometer(s): | <input type="text" value="5.8 c"/> <input type="text"/> | | |
| Cooler(s)/Kit(s): | <input type="text"/> | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| pH adjusted? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| pH adjusted by: | <input type="text"/> | | |

Login Notes:

Client Contacted: _____ Date Contacted: _____ Person Contacted: _____

Contacted By: _____ Regarding: _____

Comments:

CorrectiveAction:

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FedEx 1345-0610



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Express
US Airbill

QEC
Quality Environmental Cont
800-255-3950 • 304-255-39

FedEx

1 From **6/23/11** Sender's FedEx Account Number **8758 3475 6230** Form ID No. **0200** **FedEx Retrieval Copy**

2 Your Internal Billing Reference **HEL COMPARE SOLUTIONS INC** Phone **733 243 7821**

3 To Recipient's Name **ALS Group Laboratory** State **NJ** ZIP **07030**

Address **3352 128th AVE** City **Halland** State **NJ** ZIP **07030**

Company **ALS Group Laboratory** Address **3352 128th AVE** City **Halland** State **NJ** ZIP **07030**

4 Express Package Service **Next Business Day** **FedEx First Overnight** **FedEx Priority Overnight** **FedEx Standard Overnight**

5 Packaging **FedEx Envelope*** **FedEx Pak*** **FedEx Box** **FedEx Tube** **Other**

6 Special Handling and Delivery Signature Options **SATURDAY DELIVERY**

7 Payment Bill To: **Sender** **Recipient** **Third Party** **Credit Card** **Cash/Check**

8 Total Packages **1** Total Weight **16** lbs. Other Recip. Acct. No. **612**



8758 3475 6230

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fedex.com 1800.GoFedEx 1800.463.3339



26-Jul-2011

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

Re: **Black Hills Fed 35-2 Stockpile 11-201**

Work Order: **1107473**

Dear Kris,

ALS Environmental received 4 samples on 20-Jul-2011 11:05 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 39.

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

Sincerely,

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

Electronically approved by Ann Preston

Ann Preston
Project Manager



Certificate No: IL100452

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185
ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Stockpile 11-201
Work Order: 1107473

Work Order Sample Summary

| <u>Lab Samp ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u> |
|--------------------|-------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 1107473-01 | Bottom 8-9 Ft Inward | Soil | | 7/19/2011 14:46 | 7/20/2011 11:05 | <input type="checkbox"/> |
| 1107473-02 | Middle 2-3 Ft Inward | Soil | | 7/19/2011 13:30 | 7/20/2011 11:05 | <input type="checkbox"/> |
| 1107473-03 | Top 4-5 Ft Inward | Soil | | 7/19/2011 14:21 | 7/20/2011 11:05 | <input type="checkbox"/> |
| 1107473-04 | South End 4-5 Ft Inward | Soil | | 7/19/2011 15:02 | 7/20/2011 11:05 | <input type="checkbox"/> |

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Stockpile 11-201
Work Order: 1107473

Case Narrative

Batch 34426 MS/MSD data for Metals is not related to this project's samples.

Batch 34439 PAH surrogate in the Method Blank are below control limits, but all samples in this quality control batch surrogate recoveries meet quality control criteria. The RPD between the LCS/LCSD recoveries for Naphthalene was above control limits. The individual LCS/LCSD recoveries met quality control criteria.

Batch R92473 LCS recovery for 4-Methyl-2-pentanone was above control limits. All samples were ND for this compound.

Batch 34503 MS/MSD data for Hexavalent Chromium is not related to this project's samples.

Client: HRL Compliance Solutions
 Project: Black Hills Fed 35-2 Stockpile 11-201
 WorkOrder: 1107473

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

| <u>Units Reported</u> | <u>Description</u> |
|-----------------------|------------------------------------|
| % of sample | Percent of Sample |
| µg/Kg-dry as noted | Micrograms per Kilogram Dry Weight |
| mg/Kg-dry | Milligrams per Kilogram Dry Weight |
| s.u. | Standard Units |

Client: HRL Compliance Solutions
 Project: Black Hills Fed 35-2 Stockpile 11-201
 Sample ID: Bottom 8-9 Ft Inward
 Collection Date: 7/19/2011 02:46 PM

Work Order: 1107473
 Lab ID: 1107473-01
 Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|--|------------|------|--------------------|-----------|----------------------|--------------------|
| DIESEL RANGE ORGANICS BY GC-FID | | | SW8015M | | Prep Date: 7/20/2011 | Analyst: RM |
| DRO (C10-C28) | 60 | | 5.1 | mg/Kg-dry | 1 | 7/21/2011 06:35 PM |
| Surr: 4-Terphenyl-d14 | 104 | | 39-115 | %REC | 1 | 7/21/2011 06:35 PM |
| GASOLINE RANGE ORGANICS BY GC-FID | | | SW8015 | | | Analyst: RM |
| GRO (C6-C10) | ND | | 6.2 | mg/Kg-dry | 100 | 7/22/2011 11:01 AM |
| Surr: Toluene-d8 | 101 | | 50-150 | %REC | 100 | 7/22/2011 11:01 AM |
| MERCURY BY CVAA | | | SW7471 | | Prep Date: 7/20/2011 | Analyst: CES |
| Mercury | 0.031 | | 0.020 | mg/Kg-dry | 1 | 7/21/2011 02:50 PM |
| METALS BY ICP-MS | | | SW6020A | | Prep Date: 7/20/2011 | Analyst: CES |
| Arsenic | 4.7 | | 0.98 | mg/Kg-dry | 2 | 7/21/2011 07:49 PM |
| Barium | 4,300 | | 98 | mg/Kg-dry | 200 | 7/22/2011 01:01 PM |
| Cadmium | ND | | 0.39 | mg/Kg-dry | 2 | 7/21/2011 07:49 PM |
| Chromium | 12 | | 0.98 | mg/Kg-dry | 2 | 7/21/2011 07:49 PM |
| Copper | 11 | | 0.98 | mg/Kg-dry | 2 | 7/21/2011 07:49 PM |
| Lead | 11 | | 0.98 | mg/Kg-dry | 2 | 7/21/2011 07:49 PM |
| Nickel | 12 | | 0.98 | mg/Kg-dry | 2 | 7/21/2011 07:49 PM |
| Selenium | 1.2 | | 0.98 | mg/Kg-dry | 2 | 7/21/2011 07:49 PM |
| Silver | ND | | 0.98 | mg/Kg-dry | 2 | 7/21/2011 07:49 PM |
| Zinc | 220 | | 2.0 | mg/Kg-dry | 2 | 7/21/2011 07:49 PM |
| SUBCONTRACTED ANALYSES | | | SUBCONTRACT | | | Analyst: A&LGL |
| Subcontracted Analyses | See report | | as noted | | 1 | 7/25/2011 |
| SEMI-VOLATILE ORGANIC COMPOUNDS | | | SW8270 | | Prep Date: 7/20/2011 | Analyst: JG |
| Acenaphthene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:18 AM |
| Anthracene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:18 AM |
| Benzo(a)anthracene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:18 AM |
| Benzo(a)pyrene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:18 AM |
| Benzo(b)fluoranthene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:18 AM |
| Benzo(g,h,i)perylene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:18 AM |
| Benzo(k)fluoranthene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:18 AM |
| Chrysene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:18 AM |
| Dibenzo(a,h)anthracene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:18 AM |
| Fluoranthene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:18 AM |
| Fluorene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:18 AM |
| Indeno(1,2,3-cd)pyrene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:18 AM |
| Naphthalene | 50 | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:18 AM |
| Pyrene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:18 AM |
| Surr: 2,4,6-Tribromophenol | 64.6 | | 34-140 | %REC | 1 | 7/22/2011 11:18 AM |

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

Client: HRL Compliance Solutions
 Project: Black Hills Fed 35-2 Stockpile I1-201
 Sample ID: Bottom 8-9 Ft Inward
 Collection Date: 7/19/2011 02:46 PM

Work Order: 1107473
 Lab ID: 1107473-01
 Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|------|---------------|------------------|--------------------|--------------------|
| Surr: 2-Fluorobiphenyl | 20.1 | | 12-100 | %REC | 1 | 7/22/2011 11:18 AM |
| Surr: 2-Fluorophenol | 53.6 | | 33-117 | %REC | 1 | 7/22/2011 11:18 AM |
| Surr: 4-Terphenyl-d14 | 87.5 | | 25-137 | %REC | 1 | 7/22/2011 11:18 AM |
| Surr: Nitrobenzene-d5 | 55.5 | | 37-107 | %REC | 1 | 7/22/2011 11:18 AM |
| Surr: Phenol-d6 | 56.1 | | 40-106 | %REC | 1 | 7/22/2011 11:18 AM |
| VOLATILE ORGANIC COMPOUNDS | | | SW8260 | | Analyst: BG | |
| 1,1,1-Trichloroethane | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| 1,1,2,2-Tetrachloroethane | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| 1,1,2-Trichloroethane | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| 1,1-Dichloroethane | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| 1,1-Dichloroethene | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| 1,2-Dichloroethane | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| 1,2-Dichloropropane | ND | | 430 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| 2-Butanone | ND | | 930 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| 2-Hexanone | ND | | 620 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| 4-Methyl-2-pentanone | ND | | 620 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Acetone | ND | | 560 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Benzene | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Bromodichloromethane | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Bromoform | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Bromomethane | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Carbon disulfide | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Carbon tetrachloride | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Chlorobenzene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Chloroethane | ND | | 370 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Chloroform | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Chloromethane | ND | | 370 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| cis-1,2-Dichloroethene | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| cis-1,3-Dichloropropene | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Dibromochloromethane | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Ethylbenzene | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| m,p-Xylene | 700 | | 250 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Methyl iodide | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Methylene chloride | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| o-Xylene | 250 | | 120 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Styrene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Tetrachloroethene | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Toluene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| trans-1,2-Dichloroethene | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| trans-1,3-Dichloropropene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |

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

ALS Group USA, Corp

Date: 26-Jul-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Stockpile 11-201
Sample ID: Bottom 8-9 Ft Inward
Collection Date: 7/19/2011 02:46 PM

Work Order: 1107473
Lab ID: 1107473-01
Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|--------------------|------------------|----------------------|---------------------------|
| trans-1,4-Dichloro-2-butene | ND | | 430 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Trichloroethene | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Vinyl acetate | ND | | 1,900 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Xylenes, Total | 950 | | 370 | µg/Kg-dry | 100 | 7/21/2011 03:44 AM |
| Surr: 1,2-Dichloroethane-d4 | 103 | | 70-120 | %REC | 100 | 7/21/2011 03:44 AM |
| Surr: 4-Bromofluorobenzene | 101 | | 75-120 | %REC | 100 | 7/21/2011 03:44 AM |
| Surr: Dibromofluoromethane | 93.5 | | 85-115 | %REC | 100 | 7/21/2011 03:44 AM |
| Surr: Toluene-d8 | 101 | | 85-115 | %REC | 100 | 7/21/2011 03:44 AM |
| CHROMIUM, TRIVALENT | | | CALCULATION | | | Analyst: JJG |
| Chromium, Trivalent | 12 | | | mg/kg-dry | 1 | 7/25/2011 07:55 AM |
| CHROMIUM, HEXAVALENT | | | SW7196A | | Prep Date: 7/21/2011 | Analyst: MB |
| Chromium, Hexavalent | ND | | 0.60 | mg/Kg-dry | 1 | 7/22/2011 03:00 PM |
| MOISTURE | | | A2540 G | | | Analyst: JS |
| Moisture | 19 | | 0.050 | % of sample | 1 | 7/20/2011 12:00 PM |
| PH | | | SW9045D | | | Analyst: JJG |
| pH | 8.10 | | | s.u. | 1 | 7/20/2011 08:30 AM |

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

Client: HRL Compliance Solutions
 Project: Black Hills Fed 35-2 Stockpile 11-201
 Sample ID: Middle 2-3 Ft Inward
 Collection Date: 7/19/2011 01:30 PM

Work Order: 1107473
 Lab ID: 1107473-02
 Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|--|------------|------|--------------------|-----------|----------------------|--------------------|
| DIESEL RANGE ORGANICS BY GC-FID | | | SW8015M | | Prep Date: 7/20/2011 | Analyst: RM |
| DRO (C10-C28) | 54 | | 5.1 | mg/Kg-dry | 1 | 7/21/2011 06:59 PM |
| Surr: 4-Terphenyl-d14 | 90.0 | | 39-115 | %REC | 1 | 7/21/2011 06:59 PM |
| GASOLINE RANGE ORGANICS BY GC-FID | | | SW8015 | | | Analyst: RM |
| GRO (C6-C10) | ND | | 6.2 | mg/Kg-dry | 100 | 7/22/2011 11:28 AM |
| Surr: Toluene-d8 | 105 | | 50-150 | %REC | 100 | 7/22/2011 11:28 AM |
| MERCURY BY CVAA | | | SW7471 | | Prep Date: 7/20/2011 | Analyst: CES |
| Mercury | 0.024 | J | 0.023 | mg/Kg-dry | 1 | 7/21/2011 02:52 PM |
| METALS BY ICP-MS | | | SW6020A | | Prep Date: 7/20/2011 | Analyst: CES |
| Arsenic | 4.7 | | 0.95 | mg/Kg-dry | 2 | 7/21/2011 07:55 PM |
| Barium | 4,200 | | 95 | mg/Kg-dry | 200 | 7/22/2011 01:07 PM |
| Cadmium | ND | | 0.38 | mg/Kg-dry | 2 | 7/21/2011 07:55 PM |
| Chromium | 11 | | 0.95 | mg/Kg-dry | 2 | 7/21/2011 07:55 PM |
| Copper | 11 | | 0.95 | mg/Kg-dry | 2 | 7/21/2011 07:55 PM |
| Lead | 11 | | 0.95 | mg/Kg-dry | 2 | 7/21/2011 07:55 PM |
| Nickel | 11 | | 0.95 | mg/Kg-dry | 2 | 7/21/2011 07:55 PM |
| Selenium | 1.2 | | 0.95 | mg/Kg-dry | 2 | 7/21/2011 07:55 PM |
| Silver | ND | | 0.95 | mg/Kg-dry | 2 | 7/21/2011 07:55 PM |
| Zinc | 210 | | 1.9 | mg/Kg-dry | 2 | 7/21/2011 07:55 PM |
| SUBCONTRACTED ANALYSES | | | SUBCONTRACT | | | Analyst: A&LGL |
| Subcontracted Analyses | See report | | as noted | | 1 | 7/25/2011 |
| SEMI-VOLATILE ORGANIC COMPOUNDS | | | SW8270 | | Prep Date: 7/20/2011 | Analyst: JG |
| Acenaphthene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:52 AM |
| Anthracene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:52 AM |
| Benzo(a)anthracene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:52 AM |
| Benzo(a)pyrene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:52 AM |
| Benzo(b)fluoranthene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:52 AM |
| Benzo(g,h,i)perylene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:52 AM |
| Benzo(k)fluoranthene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:52 AM |
| Chrysene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:52 AM |
| Dibenzo(a,h)anthracene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:52 AM |
| Fluoranthene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:52 AM |
| Fluorene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:52 AM |
| Indeno(1,2,3-cd)pyrene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:52 AM |
| Naphthalene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:52 AM |
| Pyrene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 11:52 AM |
| Surr: 2,4,6-Tribromophenol | 60.3 | | 34-140 | %REC | 1 | 7/22/2011 11:52 AM |

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

ALS Group USA, Corp

Date: 26-Jul-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Stockpile 11-201
Sample ID: Middle 2-3 Ft Inward
Collection Date: 7/19/2011 01:30 PM

Work Order: 1107473
Lab ID: 1107473-02
Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|------|---------------|------------------|--------------------|--------------------|
| Surr: 2-Fluorobiphenyl | 24.7 | | 12-100 | %REC | 1 | 7/22/2011 11:52 AM |
| Surr: 2-Fluorophenol | 52.2 | | 33-117 | %REC | 1 | 7/22/2011 11:52 AM |
| Surr: 4-Terphenyl-d14 | 78.6 | | 25-137 | %REC | 1 | 7/22/2011 11:52 AM |
| Surr: Nitrobenzene-d5 | 52.8 | | 37-107 | %REC | 1 | 7/22/2011 11:52 AM |
| Surr: Phenol-d6 | 54.9 | | 40-106 | %REC | 1 | 7/22/2011 11:52 AM |
| VOLATILE ORGANIC COMPOUNDS | | | SW8260 | | Analyst: BG | |
| 1,1,1-Trichloroethane | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| 1,1,2,2-Tetrachloroethane | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| 1,1,2-Trichloroethane | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| 1,1-Dichloroethane | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| 1,1-Dichloroethene | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| 1,2-Dichloroethane | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| 1,2-Dichloropropane | ND | | 440 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| 2-Butanone | ND | | 940 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| 2-Hexanone | ND | | 620 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| 4-Methyl-2-pentanone | ND | | 620 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Acetone | ND | | 560 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Benzene | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Bromodichloromethane | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Bromofom | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Bromomethane | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Carbon disulfide | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Carbon tetrachloride | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Chlorobenzene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Chloroethane | ND | | 370 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Chloroform | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Chloromethane | ND | | 370 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| cis-1,2-Dichloroethene | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| cis-1,3-Dichloropropene | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Dibromochloromethane | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Ethylbenzene | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| m,p-Xylene | 350 | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Methyl iodide | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Methylene chloride | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| o-Xylene | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Styrene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Tetrachloroethene | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Toluene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| trans-1,2-Dichloroethene | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| trans-1,3-Dichloropropene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |

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

ALS Group USA, Corp

Date: 26-Jul-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Stockpile 11-201
Sample ID: Middle 2-3 Ft Inward
Collection Date: 7/19/2011 01:30 PM

Work Order: 1107473
Lab ID: 1107473-02
Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------------|--------|------|--------------------|-------------|----------------------|--------------------|
| trans-1,4-Dichloro-2-butene | ND | | 440 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Trichloroethene | ND | | 120 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Vinyl acetate | ND | | 1,900 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| Xylenes, Total | ND | | 370 | µg/Kg-dry | 100 | 7/21/2011 04:09 AM |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 104 | | 70-120 | %REC | 100 | 7/21/2011 04:09 AM |
| <i>Surr: 4-Bromofluorobenzene</i> | 99.8 | | 75-120 | %REC | 100 | 7/21/2011 04:09 AM |
| <i>Surr: Dibromofluoromethane</i> | 93.4 | | 85-115 | %REC | 100 | 7/21/2011 04:09 AM |
| <i>Surr: Toluene-d8</i> | 100 | | 85-115 | %REC | 100 | 7/21/2011 04:09 AM |
| CHROMIUM, TRIVALENT | | | CALCULATION | | | Analyst: JJJ |
| Chromium, Trivalent | 11 | | | mg/kg-dry | 1 | 7/25/2011 07:55 AM |
| CHROMIUM, HEXAVALENT | | | SW7196A | | Prep Date: 7/21/2011 | Analyst: MB |
| Chromium, Hexavalent | ND | | 0.61 | mg/Kg-dry | 1 | 7/22/2011 03:00 PM |
| MOISTURE | | | A2540 G | | | Analyst: JS |
| Moisture | 20 | | 0.050 | % of sample | 1 | 7/20/2011 12:00 PM |
| PH | | | SW9045D | | | Analyst: JJJ |
| pH | 8.37 | | | s.u. | 1 | 7/20/2011 08:30 AM |

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

ALS Group USA, Corp

Date: 26-Jul-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Stockpile 11-201
Sample ID: Top 4-5 Ft Inward
Collection Date: 7/19/2011 02:21 PM

Work Order: 1107473
Lab ID: 1107473-03
Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|--|------------|------|--------------------|-----------|----------------------|--------------------|
| DIESEL RANGE ORGANICS BY GC-FID | | | SW8015M | | Prep Date: 7/20/2011 | Analyst: RM |
| DRO (C10-C28) | 49 | | 5.1 | mg/Kg-dry | 1 | 7/21/2011 06:59 PM |
| Surr: 4-Terphenyl-d14 | 99.0 | | 39-115 | %REC | 1 | 7/21/2011 06:59 PM |
| GASOLINE RANGE ORGANICS BY GC-FID | | | SW8015 | | | Analyst: RM |
| GRO (C6-C10) | ND | | 6.3 | mg/Kg-dry | 100 | 7/22/2011 11:54 AM |
| Surr: Toluene-d8 | 108 | | 50-150 | %REC | 100 | 7/22/2011 11:54 AM |
| MERCURY BY CVAA | | | SW7471 | | Prep Date: 7/20/2011 | Analyst: CES |
| Mercury | 0.039 | | 0.022 | mg/Kg-dry | 1 | 7/21/2011 02:54 PM |
| METALS BY ICP-MS | | | SW6020A | | Prep Date: 7/20/2011 | Analyst: CES |
| Arsenic | 4.7 | | 0.95 | mg/Kg-dry | 2 | 7/21/2011 08:24 PM |
| Barium | 4,200 | | 95 | mg/Kg-dry | 200 | 7/22/2011 01:13 PM |
| Cadmium | ND | | 0.38 | mg/Kg-dry | 2 | 7/21/2011 08:24 PM |
| Chromium | 12 | | 0.95 | mg/Kg-dry | 2 | 7/21/2011 08:24 PM |
| Copper | 12 | | 0.95 | mg/Kg-dry | 2 | 7/21/2011 08:24 PM |
| Lead | 11 | | 0.95 | mg/Kg-dry | 2 | 7/21/2011 08:24 PM |
| Nickel | 11 | | 0.95 | mg/Kg-dry | 2 | 7/21/2011 08:24 PM |
| Selenium | 1.2 | | 0.95 | mg/Kg-dry | 2 | 7/21/2011 08:24 PM |
| Silver | ND | | 0.95 | mg/Kg-dry | 2 | 7/21/2011 08:24 PM |
| Zinc | 220 | | 1.9 | mg/Kg-dry | 2 | 7/21/2011 08:24 PM |
| SUBCONTRACTED ANALYSES | | | SUBCONTRACT | | | Analyst: A&LGL |
| Subcontracted Analyses | See report | | as noted | | 1 | 7/25/2011 |
| SEMI-VOLATILE ORGANIC COMPOUNDS | | | SW8270 | | Prep Date: 7/20/2011 | Analyst: JG |
| Acenaphthene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 12:25 PM |
| Anthracene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 12:25 PM |
| Benzo(a)anthracene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 12:25 PM |
| Benzo(a)pyrene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 12:25 PM |
| Benzo(b)fluoranthene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 12:25 PM |
| Benzo(g,h,i)perylene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 12:25 PM |
| Benzo(k)fluoranthene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 12:25 PM |
| Chrysene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 12:25 PM |
| Dibenzo(a,h)anthracene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 12:25 PM |
| Fluoranthene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 12:25 PM |
| Fluorene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 12:25 PM |
| Indeno(1,2,3-cd)pyrene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 12:25 PM |
| Naphthalene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 12:25 PM |
| Pyrene | ND | | 37 | µg/Kg-dry | 1 | 7/22/2011 12:25 PM |
| Surr: 2,4,6-Tribromophenol | 57.3 | | 34-140 | %REC | 1 | 7/22/2011 12:25 PM |

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

Client: HRL Compliance Solutions
 Project: Black Hills Fed 35-2 Stockpile 11-201
 Sample ID: Top 4-5 Ft Inward
 Collection Date: 7/19/2011 02:21 PM

Work Order: 1107473
 Lab ID: 1107473-03
 Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------------|------------|------|---------------|------------------|-----------------|--------------------|
| Surr: 2-Fluorobiphenyl | 25.6 | | 12-100 | %REC | 1 | 7/22/2011 12:25 PM |
| Surr: 2-Fluorophenol | 49.5 | | 33-117 | %REC | 1 | 7/22/2011 12:25 PM |
| Surr: 4-Terphenyl-d14 | 77.5 | | 25-137 | %REC | 1 | 7/22/2011 12:25 PM |
| Surr: Nitrobenzene-d5 | 54.7 | | 37-107 | %REC | 1 | 7/22/2011 12:25 PM |
| Surr: Phenol-d6 | 54.7 | | 40-106 | %REC | 1 | 7/22/2011 12:25 PM |
| VOLATILE ORGANIC COMPOUNDS | | | SW8260 | | | Analyst: BG |
| 1,1,1-Trichloroethane | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| 1,1,2,2-Tetrachloroethane | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| 1,1,2-Trichloroethane | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| 1,1-Dichloroethane | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| 1,1-Dichloroethene | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| 1,2-Dichloroethane | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| 1,2-Dichloropropane | ND | | 440 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| 2-Butanone | ND | | 940 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| 2-Hexanone | ND | | 630 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| 4-Methyl-2-pentanone | ND | | 630 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Acetone | ND | | 560 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Benzene | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Bromodichloromethane | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Bromoform | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Bromomethane | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Carbon disulfide | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Carbon tetrachloride | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Chlorobenzene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Chloroethane | ND | | 380 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Chloroform | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Chloromethane | ND | | 380 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| cis-1,2-Dichloroethene | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| cis-1,3-Dichloropropene | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Dibromochloromethane | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Ethylbenzene | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| m,p-Xylene | 690 | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Methyl iodide | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Methylene chloride | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| o-Xylene | 250 | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Styrene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Tetrachloroethene | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Toluene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| trans-1,2-Dichloroethene | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| trans-1,3-Dichloropropene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |

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

ALS Group USA, Corp

Date: 26-Jul-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Stockpile 11-201
Sample ID: Top 4-5 Ft Inward
Collection Date: 7/19/2011 02:21 PM

Work Order: 1107473
Lab ID: 1107473-03
Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|--------------------|------------------|----------------------|--------------------|
| trans-1,4-Dichloro-2-butene | ND | | 440 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Trichloroethene | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Vinyl acetate | ND | | 1,900 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Xylenes, Total | 940 | | 380 | µg/Kg-dry | 100 | 7/21/2011 04:34 AM |
| Surr: 1,2-Dichloroethane-d4 | 103 | | 70-120 | %REC | 100 | 7/21/2011 04:34 AM |
| Surr: 4-Bromofluorobenzene | 101 | | 75-120 | %REC | 100 | 7/21/2011 04:34 AM |
| Surr: Dibromofluoromethane | 93.0 | | 85-115 | %REC | 100 | 7/21/2011 04:34 AM |
| Surr: Toluene-d8 | 99.7 | | 85-115 | %REC | 100 | 7/21/2011 04:34 AM |
| CHROMIUM, TRIVALENT | | | CALCULATION | | | Analyst: JJJ |
| Chromium, Trivalent | 12 | | | mg/kg-dry | 1 | 7/25/2011 07:55 AM |
| CHROMIUM, HEXAVALENT | | | SW7196A | | Prep Date: 7/21/2011 | Analyst: MB |
| Chromium, Hexavalent | ND | | 0.60 | mg/Kg-dry | 1 | 7/22/2011 03:00 PM |
| MOISTURE | | | A2540 G | | | Analyst: JS |
| Moisture | 20 | | 0.050 | % of sample | 1 | 7/20/2011 12:00 PM |
| PH | | | SW9045D | | | Analyst: JJJ |
| pH | 8.42 | | | s.u. | 1 | 7/20/2011 08:30 AM |

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

Client: HRL Compliance Solutions
 Project: Black Hills Fed 35-2 Stockpile 11-201
 Sample ID: South End 4-5 Ft Inward
 Collection Date: 7/19/2011 03:02 PM

Work Order: 1107473
 Lab ID: 1107473-04
 Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|--|------------|------|--------------------|-----------|----------------------|--------------------|
| DIESEL RANGE ORGANICS BY GC-FID | | | SW8015M | | Prep Date: 7/20/2011 | Analyst: RM |
| DRO (C10-C28) | 51 | | 5.2 | mg/Kg-dry | 1 | 7/21/2011 07:22 PM |
| Surr: 4-Terphenyl-d14 | 66.6 | | 39-115 | %REC | 1 | 7/21/2011 07:22 PM |
| GASOLINE RANGE ORGANICS BY GC-FID | | | SW8015 | | | Analyst: RM |
| GRO (C6-C10) | ND | | 6.4 | mg/Kg-dry | 100 | 7/22/2011 12:21 PM |
| Surr: Toluene-d8 | 105 | | 50-150 | %REC | 100 | 7/22/2011 12:21 PM |
| MERCURY BY CVAA | | | SW7471 | | Prep Date: 7/20/2011 | Analyst: CES |
| Mercury | 0.035 | | 0.024 | mg/Kg-dry | 1 | 7/21/2011 03:01 PM |
| METALS BY ICP-MS | | | SW6020A | | Prep Date: 7/20/2011 | Analyst: CES |
| Arsenic | 4.5 | | 0.79 | mg/Kg-dry | 2 | 7/21/2011 08:30 PM |
| Barium | 3,600 | | 79 | mg/Kg-dry | 200 | 7/22/2011 01:19 PM |
| Cadmium | ND | | 0.32 | mg/Kg-dry | 2 | 7/21/2011 08:30 PM |
| Chromium | 13 | | 0.79 | mg/Kg-dry | 2 | 7/21/2011 08:30 PM |
| Copper | 12 | | 0.79 | mg/Kg-dry | 2 | 7/21/2011 08:30 PM |
| Lead | 11 | | 0.79 | mg/Kg-dry | 2 | 7/21/2011 08:30 PM |
| Nickel | 12 | | 0.79 | mg/Kg-dry | 2 | 7/21/2011 08:30 PM |
| Selenium | 1.3 | | 0.79 | mg/Kg-dry | 2 | 7/21/2011 08:30 PM |
| Silver | ND | | 0.79 | mg/Kg-dry | 2 | 7/21/2011 08:30 PM |
| Zinc | 190 | | 1.6 | mg/Kg-dry | 2 | 7/21/2011 08:30 PM |
| SUBCONTRACTED ANALYSES | | | SUBCONTRACT | | | Analyst: A&LGL |
| Subcontracted Analyses | See report | | as noted | | 1 | 7/25/2011 |
| SEMI-VOLATILE ORGANIC COMPOUNDS | | | SW8270 | | Prep Date: 7/20/2011 | Analyst: JG |
| Acenaphthene | ND | | 38 | µg/Kg-dry | 1 | 7/22/2011 12:59 PM |
| Anthracene | ND | | 38 | µg/Kg-dry | 1 | 7/22/2011 12:59 PM |
| Benzo(a)anthracene | ND | | 38 | µg/Kg-dry | 1 | 7/22/2011 12:59 PM |
| Benzo(a)pyrene | ND | | 38 | µg/Kg-dry | 1 | 7/22/2011 12:59 PM |
| Benzo(b)fluoranthene | ND | | 38 | µg/Kg-dry | 1 | 7/22/2011 12:59 PM |
| Benzo(g,h,i)perylene | ND | | 38 | µg/Kg-dry | 1 | 7/22/2011 12:59 PM |
| Benzo(k)fluoranthene | ND | | 38 | µg/Kg-dry | 1 | 7/22/2011 12:59 PM |
| Chrysene | ND | | 38 | µg/Kg-dry | 1 | 7/22/2011 12:59 PM |
| Dibenzo(a,h)anthracene | ND | | 38 | µg/Kg-dry | 1 | 7/22/2011 12:59 PM |
| Fluoranthene | ND | | 38 | µg/Kg-dry | 1 | 7/22/2011 12:59 PM |
| Fluorene | ND | | 38 | µg/Kg-dry | 1 | 7/22/2011 12:59 PM |
| Indeno(1,2,3-cd)pyrene | ND | | 38 | µg/Kg-dry | 1 | 7/22/2011 12:59 PM |
| Naphthalene | 45 | | 38 | µg/Kg-dry | 1 | 7/22/2011 12:59 PM |
| Pyrene | ND | | 38 | µg/Kg-dry | 1 | 7/22/2011 12:59 PM |
| Surr: 2,4,6-Tribromophenol | 55.4 | | 34-140 | %REC | 1 | 7/22/2011 12:59 PM |

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

Client: HRL Compliance Solutions
 Project: Black Hills Fed 35-2 Stockpile 11-201
 Sample ID: South End 4-5 Ft Inward
 Collection Date: 7/19/2011 03:02 PM

Work Order: 1107473
 Lab ID: 1107473-04
 Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------|--------|------|--------------|-------|-----------------|--------------------|
| Surr: 2-Fluorobiphenyl | 20.1 | | 12-100 | %REC | 1 | 7/22/2011 12:59 PM |
| Surr: 2-Fluorophenol | 47.1 | | 33-117 | %REC | 1 | 7/22/2011 12:59 PM |
| Surr: 4-Terphenyl-d14 | 73.0 | | 25-137 | %REC | 1 | 7/22/2011 12:59 PM |
| Surr: Nitrobenzene-d5 | 52.0 | | 37-107 | %REC | 1 | 7/22/2011 12:59 PM |
| Surr: Phenol-d6 | 48.7 | | 40-106 | %REC | 1 | 7/22/2011 12:59 PM |

VOLATILE ORGANIC COMPOUNDS

SW8260

Analyst: **BG**

| | | | | | | |
|---------------------------|------------|--|------------|------------------|-----|--------------------|
| 1,1,1-Trichloroethane | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| 1,1,2,2-Tetrachloroethane | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| 1,1,2-Trichloroethane | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| 1,1-Dichloroethane | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| 1,1-Dichloroethene | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| 1,2-Dichloroethane | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| 1,2-Dichloropropane | ND | | 450 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| 2-Butanone | ND | | 950 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| 2-Hexanone | ND | | 640 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| 4-Methyl-2-pentanone | ND | | 640 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Acetone | ND | | 570 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Benzene | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Bromodichloromethane | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Bromofom | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Bromomethane | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Carbon disulfide | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Carbon tetrachloride | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Chlorobenzene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Chloroethane | ND | | 380 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Chloroform | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Chloromethane | ND | | 380 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| cis-1,2-Dichloroethene | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| cis-1,3-Dichloropropene | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Dibromochloromethane | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Ethylbenzene | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| m,p-Xylene | 590 | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Methyl iodide | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Methylene chloride | ND | | 250 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| o-Xylene | 220 | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Styrene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Tetrachloroethene | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Toluene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| trans-1,2-Dichloroethene | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| trans-1,3-Dichloropropene | ND | | 190 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |

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

Client: HRL Compliance Solutions
 Project: Black Hills Fed 35-2 Stockpile 11-201
 Sample ID: South End 4-5 Ft Inward
 Collection Date: 7/19/2011 03:02 PM

Work Order: 1107473
 Lab ID: 1107473-04
 Matrix: SOIL

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-----------------------------|------------|------|--------------------|------------------|----------------------|--------------------|
| trans-1,4-Dichloro-2-butene | ND | | 450 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Trichloroethene | ND | | 130 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Vinyl acetate | ND | | 1,900 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Xylenes, Total | 810 | | 380 | µg/Kg-dry | 100 | 7/21/2011 04:59 AM |
| Surr: 1,2-Dichloroethane-d4 | 103 | | 70-120 | %REC | 100 | 7/21/2011 04:59 AM |
| Surr: 4-Bromofluorobenzene | 102 | | 75-120 | %REC | 100 | 7/21/2011 04:59 AM |
| Surr: Dibromofluoromethane | 94.4 | | 85-115 | %REC | 100 | 7/21/2011 04:59 AM |
| Surr: Toluene-d8 | 99.7 | | 85-115 | %REC | 100 | 7/21/2011 04:59 AM |
| CHROMIUM, TRIVALENT | | | CALCULATION | | | Analyst: JJJ |
| Chromium, Trivalent | 13 | | | mg/kg-dry | 1 | 7/25/2011 07:55 AM |
| CHROMIUM, HEXAVALENT | | | SW7196A | | Prep Date: 7/21/2011 | Analyst: MB |
| Chromium, Hexavalent | ND | | 0.62 | mg/Kg-dry | 1 | 7/22/2011 03:00 PM |
| MOISTURE | | | A2540 G | | | Analyst: JS |
| Moisture | 21 | | 0.050 | % of sample | 1 | 7/20/2011 12:00 PM |
| PH | | | SW9045D | | | Analyst: JJJ |
| pH | 8.16 | | | s.u. | 1 | 7/20/2011 08:30 AM |

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

Report Number: F11202-0327
 Account 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: 1107473

DATE RECEIVED: 07/21/2011
 DATE REPORTED: 07/25/2011
 PAGE: 1

P.O. NUMBER: 20-122010433

REPORT OF ANALYSIS

ATTN: ANN PRESTON

| LAB NO. | SAMPLE ID | ANALYSIS | RESULT | UNIT | METHOD |
|---------|-----------|---------------------------------|--------|---------|------------------|
| 30063 | 01B | Sat'd Paste Extraction with DIW | 1 | | USDA Handbook 60 |
| | | Conductivity (ECe) | 9.13 | mmho/cm | USDA Handbook 60 |
| | | Calcium (Sat'd Paste) | 242 | ppm | USDA Handbook 60 |
| | | Magnesium (Sat'd Paste) | 286 | ppm | USDA Handbook 60 |
| | | Sodium (Sat'd Paste) | 6581 | ppm | USDA Handbook 60 |
| | | Sodium Adsorption Ratio | 67.5 | - | USDA Handbook 60 |
| 30064 | 02B | Sat'd Paste Extraction with DIW | 1 | | USDA Handbook 60 |
| | | Conductivity (ECe) | 6.06 | mmho/cm | USDA Handbook 60 |
| | | Calcium (Sat'd Paste) | 157 | ppm | USDA Handbook 60 |
| | | Magnesium (Sat'd Paste) | 156 | ppm | USDA Handbook 60 |
| | | Sodium (Sat'd Paste) | 4292 | ppm | USDA Handbook 60 |
| | | Sodium Adsorption Ratio | 57.8 | - | USDA Handbook 60 |
| 30065 | 03B | Sat'd Paste Extraction with DIW | 1 | | USDA Handbook 60 |
| | | Conductivity (ECe) | 7.13 | mmho/cm | USDA Handbook 60 |
| | | Calcium (Sat'd Paste) | 196 | ppm | USDA Handbook 60 |
| | | Magnesium (Sat'd Paste) | 197 | ppm | USDA Handbook 60 |
| | | Sodium (Sat'd Paste) | 5000 | ppm | USDA Handbook 60 |
| | | Sodium Adsorption Ratio | 60.0 | - | USDA Handbook 60 |
| 30066 | 04B | Sat'd Paste Extraction with DIW | 1 | | USDA Handbook 60 |
| | | Conductivity (ECe) | 8.28 | mmho/cm | USDA Handbook 60 |
| | | Calcium (Sat'd Paste) | 299 | ppm | USDA Handbook 60 |
| | | Magnesium (Sat'd Paste) | 280 | ppm | USDA Handbook 60 |
| | | Sodium (Sat'd Paste) | 5768 | ppm | USDA Handbook 60 |
| | | Sodium Adsorption Ratio | 57.3 | - | USDA Handbook 60 |

Client: HRL Compliance Solutions
 Work Order: 1107473
 Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: 34440 Instrument ID GC8 Method: SW8015M

| MBLK | | Sample ID: DBLKS1-34440-34440 | | | Units: mg/Kg | | Analysis Date: 7/21/2011 05:00 PM | | | |
|-----------------------|--------|-------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC8_110721A | | | SeqNo: 1684142 | | Prep Date: 7/20/2011 | | 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 | 1.105 | 0 | 1.667 | 0 | 66.3 | 39-115 | | 0 | | |

| LCS | | Sample ID: DLCSS1-34440-34440 | | | Units: mg/Kg | | Analysis Date: 7/21/2011 03:49 PM | | | |
|-----------------------|--------|-------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC8_110721A | | | SeqNo: 1684140 | | Prep Date: 7/20/2011 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| DRO (C10-C28) | 148.9 | 4.2 | 166.7 | 0 | 89.3 | 60-130 | | 0 | | |
| Surr: 4-Terphenyl-d14 | 1.352 | 0 | 1.667 | 0 | 81.1 | 39-115 | | 0 | | |

| LCSD | | Sample ID: DLCSDS1-34440-34440 | | | Units: mg/Kg | | Analysis Date: 7/24/2011 08:08 PM | | | |
|-----------------------|--------|--------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC8_110724A | | | SeqNo: 1685502 | | Prep Date: 7/20/2011 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| DRO (C10-C28) | 158.5 | 4.2 | 166.7 | 0 | 95.1 | 60-130 | 148.9 | 6.25 | 30 | |
| Surr: 4-Terphenyl-d14 | 1.492 | 0 | 1.667 | 0 | 89.5 | 39-115 | 1.352 | 9.87 | 30 | |

| MS | | Sample ID: 1107410-03A MS | | | Units: mg/Kg | | Analysis Date: 7/21/2011 04:13 PM | | | |
|-----------------------|--------|---------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: GC8_110721A | | | SeqNo: 1684141 | | Prep Date: 7/20/2011 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| DRO (C10-C28) | 289.6 | 8.0 | 318.6 | 6.459 | 88.9 | 60-130 | | 0 | | |
| Surr: 4-Terphenyl-d14 | 2.267 | 0 | 3.186 | 0 | 71.2 | 39-115 | | 0 | | |

| MSD | | Sample ID: 1107410-03A MSD | | | Units: mg/Kg | | Analysis Date: 7/21/2011 04:36 PM | | | |
|-----------------------|--------|----------------------------|---------|---------------|----------------|---------------|-----------------------------------|-------|-----------|------|
| Client ID: | | Run ID: GC8_110721A | | | SeqNo: 1684108 | | Prep Date: 7/20/2011 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| DRO (C10-C28) | 278.6 | 8.1 | 322.9 | 6.459 | 84.3 | 60-130 | 289.6 | 3.88 | 30 | |
| Surr: 4-Terphenyl-d14 | 2.249 | 0 | 3.229 | 0 | 69.7 | 39-115 | 2.267 | 0.799 | 30 | |

The following samples were analyzed in this batch:

| | | |
|-------------|-------------|-------------|
| 1107473-01A | 1107473-02A | 1107473-03A |
| 1107473-04A | | |

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

Client: HRL Compliance Solutions
 Work Order: 1107473
 Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: R92486 Instrument ID GC9 Method: SW8015

| MBLK | | Sample ID: MBLK-R92486-R92486 | | | | Units: µg/L | | Analysis Date: 7/22/2011 03:59 AM | | |
|------------------|--------|-------------------------------|---------|---------------|------|----------------|---------------|-----------------------------------|-----------|-------|
| Client ID: | | Run ID: GC9_110721B | | | | SeqNo: 1682945 | | 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 | 107.8 | 0 | 100 | 0 | 108 | 70-130 | 0 | | | |

| LCS | | Sample ID: LCS-R92486-R92486 | | | | Units: µg/L | | Analysis Date: 7/22/2011 02:40 AM | | |
|------------------|--------|------------------------------|---------|---------------|------|----------------|---------------|-----------------------------------|-----------|-------|
| Client ID: | | Run ID: GC9_110721B | | | | SeqNo: 1682943 | | 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) | 24420 | 200 | 25000 | 0 | 97.7 | 70-130 | 0 | | | |
| Surr: Toluene-d8 | 106.5 | 0 | 100 | 0 | 106 | 70-130 | 0 | | | |

| LCSD | | Sample ID: LCSD-R92486-R92486 | | | | Units: µg/L | | Analysis Date: 7/22/2011 03:06 AM | | |
|------------------|--------|-------------------------------|---------|---------------|------|----------------|---------------|-----------------------------------|-----------|-------|
| Client ID: | | Run ID: GC9_110721B | | | | SeqNo: 1682944 | | 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) | 23590 | 200 | 25000 | 0 | 94.4 | 70-130 | 24420 | 3.46 | 30 | |
| Surr: Toluene-d8 | 102.6 | 0 | 100 | 0 | 103 | 70-130 | 106.5 | 3.66 | 30 | |

| MS | | Sample ID: 1107410-03B MS | | | | Units: µg/Kg | | Analysis Date: 7/22/2011 01:13 PM | | |
|------------------|---------|---------------------------|---------|---------------|------|----------------|---------------|-----------------------------------|-----------|--------|
| Client ID: | | Run ID: GC9_110721B | | | | SeqNo: 1684418 | | 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) | 1186000 | 2,500 | 1250000 | 0 | 94.9 | 70-130 | 0 | | | |
| Surr: Toluene-d8 | 5034 | 0 | 5000 | 0 | 101 | 50-150 | 0 | | | |

| MSD | | Sample ID: 1107410-03B MSD | | | | Units: µg/Kg | | Analysis Date: 7/22/2011 01:40 PM | | |
|------------------|---------|----------------------------|---------|---------------|------|----------------|---------------|-----------------------------------|-----------|--------|
| Client ID: | | Run ID: GC9_110721B | | | | SeqNo: 1684419 | | 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) | 1137000 | 2,500 | 1250000 | 0 | 90.9 | 70-130 | 1186000 | 4.26 | 30 | |
| Surr: Toluene-d8 | 4913 | 0 | 5000 | 0 | 98.3 | 50-150 | 5034 | 2.44 | 30 | |

The following samples were analyzed in this batch: | 1107473-01A | 1107473-02A | 1107473-03A |
 | 1107473-04A |

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

Client: HRL Compliance Solutions
 Work Order: 1107473
 Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: 34442 Instrument ID HG1 Method: SW7471

MBLK Sample ID: MBLK-34442-34442 Units: mg/Kg Analysis Date: 7/21/2011 02:35 PM
 Client ID: Run ID: HG1_110721A SeqNo: 1682781 Prep Date: 7/20/2011 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-34442-34442 Units: mg/Kg Analysis Date: 7/21/2011 02:37 PM
 Client ID: Run ID: HG1_110721A SeqNo: 1682802 Prep Date: 7/20/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|-------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Mercury | 0.1829 | 0.020 | 0.1665 | 0 | 110 | 80-120 | 0 | | | |

LCSD Sample ID: LCSD-34442-34442 Units: mg/Kg Analysis Date: 7/21/2011 02:39 PM
 Client ID: Run ID: HG1_110721A SeqNo: 1682803 Prep Date: 7/20/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|-------|---------|---------------|------|---------------|---------------|-------|-----------|------|
| Mercury | 0.1848 | 0.020 | 0.1665 | 0 | 111 | 80-120 | 0.1829 | 0.997 | 20 | |

MS Sample ID: 1107478-06BMS Units: mg/Kg Analysis Date: 7/21/2011 03:33 PM
 Client ID: Run ID: HG1_110721A SeqNo: 1682828 Prep Date: 7/20/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|-------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Mercury | 0.1679 | 0.019 | 0.1591 | 0.008251 | 100 | 75-125 | 0 | | | |

MSD Sample ID: 1107478-06BMSD Units: mg/Kg Analysis Date: 7/21/2011 03:35 PM
 Client ID: Run ID: HG1_110721A SeqNo: 1682829 Prep Date: 7/20/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|-------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Mercury | 0.1751 | 0.019 | 0.1576 | 0.008251 | 106 | 75-125 | 0.1679 | 4.18 | 35 | |

The following samples were analyzed in this batch:

| | | |
|-------------|-------------|-------------|
| 1107473-01A | 1107473-02A | 1107473-03A |
| 1107473-04A | | |

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

Client: HRL Compliance Solutions
 Work Order: 1107473
 Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: 34426 Instrument ID ICPMS1 Method: SW6020A

MBLK Sample ID: MBLK-34426-34426 Units: mg/Kg Analysis Date: 7/20/2011 11:38 AM
 Client ID: Run ID: ICPMS1_110720A SeqNo: 1681565 Prep Date: 7/20/2011 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 | 0.006275 | 0.25 | | | | | | | | J |
| Copper | ND | 0.25 | | | | | | | | |
| Lead | ND | 0.25 | | | | | | | | |
| Nickel | ND | 0.25 | | | | | | | | |
| Selenium | ND | 0.25 | | | | | | | | |
| Silver | 0.001412 | 0.25 | | | | | | | | J |
| Zinc | ND | 0.50 | | | | | | | | |

LCS Sample ID: LCS-34426-34426 Units: mg/Kg Analysis Date: 7/20/2011 11:44 AM
 Client ID: Run ID: ICPMS1_110720A SeqNo: 1681566 Prep Date: 7/20/2011 DF: 2

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Arsenic | 4.475 | 0.50 | 5 | 0 | 89.5 | 80-120 | 0 | | | |
| Barium | 4.564 | 0.50 | 5 | 0 | 91.3 | 80-120 | 0 | | | |
| Cadmium | 4.656 | 0.20 | 5 | 0 | 93.1 | 80-120 | 0 | | | |
| Chromium | 4.745 | 0.50 | 5 | 0 | 94.9 | 80-120 | 0 | | | |
| Copper | 4.769 | 0.50 | 5 | 0 | 95.4 | 80-120 | 0 | | | |
| Lead | 4.719 | 0.50 | 5 | 0 | 94.4 | 80-120 | 0 | | | |
| Nickel | 4.746 | 0.50 | 5 | 0 | 94.9 | 80-120 | 0 | | | |
| Selenium | 4.448 | 0.50 | 5 | 0 | 89 | 80-120 | 0 | | | |
| Silver | 4.431 | 0.50 | 5 | 0 | 88.6 | 80-120 | 0 | | | |
| Zinc | 4.737 | 1.0 | 5 | 0 | 94.7 | 80-120 | 0 | | | |

LCSD Sample ID: LCSD-34426-34426 Units: mg/Kg Analysis Date: 7/20/2011 11:50 AM
 Client ID: Run ID: ICPMS1_110720A SeqNo: 1681567 Prep Date: 7/20/2011 DF: 2

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------|--------|------|---------|---------------|------|---------------|---------------|--------|-----------|------|
| Arsenic | 4.398 | 0.50 | 5 | 0 | 88 | 80-120 | 4.475 | 1.74 | 20 | |
| Barium | 4.566 | 0.50 | 5 | 0 | 91.3 | 80-120 | 4.564 | 0.0438 | 20 | |
| Cadmium | 4.618 | 0.20 | 5 | 0 | 92.4 | 80-120 | 4.656 | 0.819 | 20 | |
| Chromium | 4.689 | 0.50 | 5 | 0 | 93.8 | 80-120 | 4.745 | 1.19 | 20 | |
| Copper | 4.723 | 0.50 | 5 | 0 | 94.5 | 80-120 | 4.769 | 0.969 | 20 | |
| Lead | 4.609 | 0.50 | 5 | 0 | 92.2 | 80-120 | 4.719 | 2.36 | 20 | |
| Nickel | 4.659 | 0.50 | 5 | 0 | 93.2 | 80-120 | 4.746 | 1.85 | 20 | |
| Selenium | 4.385 | 0.50 | 5 | 0 | 87.7 | 80-120 | 4.448 | 1.43 | 20 | |
| Silver | 4.377 | 0.50 | 5 | 0 | 87.5 | 80-120 | 4.431 | 1.23 | 20 | |
| Zinc | 4.696 | 1.0 | 5 | 0 | 93.9 | 80-120 | 4.737 | 0.869 | 20 | |

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

Client: HRL Compliance Solutions
 Work Order: 1107473
 Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: 34426 Instrument ID ICPMS1 Method: SW6020A

MS Sample ID: 1107444-04BMS Units: mg/Kg Analysis Date: 7/20/2011 12:25 PM
 Client ID: Run ID: ICPMS1_110720A SeqNo: 1681573 Prep Date: 7/20/2011 DF: 4

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Arsenic | 9.252 | 1.5 | 7.669 | 2.722 | 85.2 | 80-120 | 0 | | | |
| Barium | 43.34 | 1.5 | 7.669 | 31.16 | 159 | 80-120 | 0 | | | SO |
| Cadmium | 7.521 | 0.61 | 7.669 | 0.6152 | 90.1 | 80-120 | 0 | | | |
| Chromium | 12.03 | 1.5 | 7.669 | 8.871 | 41.2 | 80-120 | 0 | | | S |
| Copper | 7.791 | 1.5 | 7.669 | 1.865 | 77.3 | 80-120 | 0 | | | S |
| Lead | 9.963 | 1.5 | 7.669 | 4.893 | 66.1 | 80-120 | 0 | | | S |
| Nickel | 9.945 | 1.5 | 7.669 | 4.738 | 67.9 | 80-120 | 0 | | | S |
| Selenium | 7.061 | 1.5 | 7.669 | 0.3197 | 87.9 | 80-120 | 0 | | | |
| Silver | 6.052 | 1.5 | 7.669 | 0.03163 | 78.5 | 80-120 | 0 | | | S |
| Zinc | 29.29 | 3.1 | 7.669 | 28.73 | 7.22 | 80-120 | 0 | | | S |

MS Sample ID: 1107456-03BMS Units: mg/Kg Analysis Date: 7/21/2011 06:14 PM
 Client ID: Run ID: ICPMS1_110721A SeqNo: 1683389 Prep Date: 7/20/2011 DF: 4

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------|--------|------|---------|---------------|-------|---------------|---------------|------|-----------|------|
| Arsenic | 21.6 | 1.5 | 7.728 | 12.69 | 115 | 80-120 | 0 | | | |
| Barium | 84.17 | 1.5 | 7.728 | 87.14 | -38.4 | 80-120 | 0 | | | SO |
| Cadmium | 8 | 0.62 | 7.728 | 0.2736 | 100 | 80-120 | 0 | | | |
| Chromium | 13.38 | 1.5 | 7.728 | 5.588 | 101 | 80-120 | 0 | | | |
| Copper | 12.86 | 1.5 | 7.728 | 5.018 | 101 | 80-120 | 0 | | | |
| Lead | 12.29 | 1.5 | 7.728 | 5.209 | 91.6 | 80-120 | 0 | | | |
| Nickel | 13.04 | 1.5 | 7.728 | 5.015 | 104 | 80-120 | 0 | | | |
| Selenium | 9.029 | 1.5 | 7.728 | 1.098 | 103 | 80-120 | 0 | | | |
| Silver | 7.36 | 1.5 | 7.728 | 0.02293 | 94.9 | 80-120 | 0 | | | |
| Zinc | 32.77 | 3.1 | 7.728 | 26.55 | 80.4 | 80-120 | 0 | | | |

MSD Sample ID: 1107444-04BMSD Units: mg/Kg Analysis Date: 7/20/2011 12:30 PM
 Client ID: Run ID: ICPMS1_110720A SeqNo: 1681574 Prep Date: 7/20/2011 DF: 4

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------|--------|------|---------|---------------|-------|---------------|---------------|------|-----------|------|
| Arsenic | 9.581 | 1.5 | 7.485 | 2.722 | 91.6 | 80-120 | 9.252 | 3.5 | 25 | |
| Barium | 46.23 | 1.5 | 7.485 | 31.16 | 201 | 80-120 | 43.34 | 6.44 | 25 | SO |
| Cadmium | 7.377 | 0.60 | 7.485 | 0.6152 | 90.3 | 80-120 | 7.521 | 1.94 | 25 | |
| Chromium | 11.59 | 1.5 | 7.485 | 8.871 | 36.3 | 80-120 | 12.03 | 3.76 | 25 | S |
| Copper | 7.437 | 1.5 | 7.485 | 1.865 | 74.4 | 80-120 | 7.791 | 4.65 | 25 | S |
| Lead | 9.638 | 1.5 | 7.485 | 4.893 | 63.4 | 80-120 | 9.963 | 3.32 | 25 | S |
| Nickel | 10.83 | 1.5 | 7.485 | 4.738 | 81.4 | 80-120 | 9.945 | 8.52 | 25 | |
| Selenium | 6.716 | 1.5 | 7.485 | 0.3197 | 85.4 | 80-120 | 7.061 | 5.02 | 25 | |
| Silver | 5.844 | 1.5 | 7.485 | 0.03163 | 77.7 | 80-120 | 6.052 | 3.49 | 25 | S |
| Zinc | 25.53 | 3.0 | 7.485 | 28.73 | -42.8 | 80-120 | 29.29 | 13.7 | 25 | S |

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

Client: HRL Compliance Solutions
Work Order: 1107473
Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: **34426** Instrument ID **ICPMS1** Method: **SW6020A**

MSD Sample ID: **1107456-03BMSD** Units: **mg/Kg** Analysis Date: **7/21/2011 06:20 PM**
 Client ID: Run ID: **ICPMS1_110721A** SeqNo: **1683390** Prep Date: **7/20/2011** DF: **4**

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Arsenic | 19.95 | 1.5 | 7.321 | 12.69 | 99.2 | 80-120 | 21.6 | 7.98 | 25 | |
| Barium | 90.4 | 1.5 | 7.321 | 87.14 | 44.5 | 80-120 | 84.17 | 7.13 | 25 | SO |
| Cadmium | 7.283 | 0.59 | 7.321 | 0.2736 | 95.7 | 80-120 | 8 | 9.39 | 25 | |
| Chromium | 12.16 | 1.5 | 7.321 | 5.588 | 89.8 | 80-120 | 13.38 | 9.61 | 25 | |
| Copper | 11.67 | 1.5 | 7.321 | 5.018 | 90.9 | 80-120 | 12.86 | 9.65 | 25 | |
| Lead | 10.47 | 1.5 | 7.321 | 5.209 | 71.9 | 80-120 | 12.29 | 16 | 25 | S |
| Nickel | 12.09 | 1.5 | 7.321 | 5.015 | 96.7 | 80-120 | 13.04 | 7.52 | 25 | |
| Selenium | 8.266 | 1.5 | 7.321 | 1.098 | 97.9 | 80-120 | 9.029 | 8.82 | 25 | |
| Silver | 6.729 | 1.5 | 7.321 | 0.02293 | 91.6 | 80-120 | 7.36 | 8.96 | 25 | |
| Zinc | 28.41 | 2.9 | 7.321 | 26.55 | 25.4 | 80-120 | 32.77 | 14.2 | 25 | S |

The following samples were analyzed in this batch:

| | | |
|-------------|-------------|-------------|
| 1107473-01A | 1107473-02A | 1107473-03A |
| 1107473-04A | | |

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

Client: HRL Compliance Solutions
Work Order: 1107473
Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: 34439 Instrument ID SVMS5 Method: SW8270

MBLK Sample ID: SBLKS1-34439-34439 Units: µg/Kg Analysis Date: 7/21/2011 08:48 PM
 Client ID: Run ID: SVMS5_110721A SeqNo: 1683514 Prep Date: 7/20/2011 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 | | | | | | | | |
| <i>Surr: 2,4,6-Tribromophenol</i> | 405.3 | 0 | 1667 | 0 | 24.3 | 34-140 | 0 | | | S |
| <i>Surr: 2-Fluorobiphenyl</i> | 436.7 | 0 | 1667 | 0 | 26.2 | 12-100 | 0 | | | |
| <i>Surr: 2-Fluorophenol</i> | 516.7 | 0 | 1667 | 0 | 31 | 33-117 | 0 | | | S |
| <i>Surr: 4-Terphenyl-d14</i> | 929.7 | 0 | 1667 | 0 | 55.8 | 25-137 | 0 | | | |
| <i>Surr: Nitrobenzene-d5</i> | 606 | 0 | 1667 | 0 | 36.4 | 37-107 | 0 | | | S |
| <i>Surr: Phenol-d6</i> | 517 | 0 | 1667 | 0 | 31 | 40-106 | 0 | | | S |

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

Client: HRL Compliance Solutions
Work Order: 1107473
Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: 34439 Instrument ID SVMS5 Method: SW8270

| LCS | | Sample ID: SLCSS1-34439-34439 | | | Units: µg/Kg | | Analysis Date: 7/21/2011 09:25 PM | | | |
|-----------------------------------|--------|-------------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: SVMS5_110721A | | | SeqNo: 1683515 | | Prep Date: 7/20/2011 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Acenaphthene | 943.7 | 30 | 1333 | 0 | 70.8 | 45-110 | 0 | | | |
| Anthracene | 1071 | 30 | 1333 | 0 | 80.3 | 55-105 | 0 | | | |
| Benzo(a)anthracene | 1041 | 30 | 1333 | 0 | 78.1 | 50-110 | 0 | | | |
| Benzo(a)pyrene | 1128 | 30 | 1333 | 0 | 84.6 | 50-110 | 0 | | | |
| Benzo(b)fluoranthene | 1272 | 30 | 1333 | 0 | 95.4 | 45-115 | 0 | | | |
| Benzo(g,h,i)perylene | 1130 | 30 | 1333 | 0 | 84.7 | 40-125 | 0 | | | |
| Benzo(k)fluoranthene | 1137 | 30 | 1333 | 0 | 85.3 | 45-115 | 0 | | | |
| Chrysene | 1078 | 30 | 1333 | 0 | 80.9 | 55-110 | 0 | | | |
| Dibenzo(a,h)anthracene | 1250 | 30 | 1333 | 0 | 93.8 | 40-125 | 0 | | | |
| Fluoranthene | 1083 | 30 | 1333 | 0 | 81.2 | 55-115 | 0 | | | |
| Fluorene | 1157 | 30 | 1333 | 0 | 86.8 | 50-110 | 0 | | | |
| Indeno(1,2,3-cd)pyrene | 1234 | 30 | 1333 | 0 | 92.5 | 40-120 | 0 | | | |
| Naphthalene | 962.7 | 30 | 1333 | 0 | 72.2 | 40-105 | 0 | | | |
| Pyrene | 1023 | 30 | 1333 | 0 | 76.7 | 45-125 | 0 | | | |
| <i>Surr: 2,4,6-Tribromophenol</i> | 1193 | 0 | 1667 | 0 | 71.6 | 34-140 | 0 | | | |
| <i>Surr: 2-Fluorobiphenyl</i> | 961.7 | 0 | 1667 | 0 | 57.7 | 12-100 | 0 | | | |
| <i>Surr: 2-Fluorophenol</i> | 892.3 | 0 | 1667 | 0 | 53.5 | 33-117 | 0 | | | |
| <i>Surr: 4-Terphenyl-d14</i> | 1226 | 0 | 1667 | 0 | 73.6 | 25-137 | 0 | | | |
| <i>Surr: Nitrobenzene-d5</i> | 1175 | 0 | 1667 | 0 | 70.5 | 37-107 | 0 | | | |
| <i>Surr: Phenol-d6</i> | 992.7 | 0 | 1667 | 0 | 59.6 | 40-106 | 0 | | | |

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

Client: HRL Compliance Solutions
 Work Order: 1107473
 Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: 34439 Instrument ID SVMS5 Method: SW8270

| LCSD | Sample ID: SLCSDS1-34439-34439 | Units: µg/Kg | | | | | Analysis Date: 7/21/2011 10:00 PM | | | | |
|----------------------------|--------------------------------|----------------|---------|---------------|----------------------|---------------|-----------------------------------|-------|-----------|------|--|
| Client ID: | Run ID: SVMS5_110721A | SeqNo: 1683516 | | | Prep Date: 7/20/2011 | | DF: 1 | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Acenaphthene | 841.3 | 30 | 1333 | 0 | 63.1 | 45-110 | 943.7 | 11.5 | 25 | | |
| Anthracene | 1120 | 30 | 1333 | 0 | 84 | 55-105 | 1071 | 4.47 | 25 | | |
| Benzo(a)anthracene | 1082 | 30 | 1333 | 0 | 81.2 | 50-110 | 1041 | 3.83 | 25 | | |
| Benzo(a)pyrene | 1176 | 30 | 1333 | 0 | 88.2 | 50-110 | 1128 | 4.14 | 25 | | |
| Benzo(b)fluoranthene | 1151 | 30 | 1333 | 0 | 86.4 | 45-115 | 1272 | 9.96 | 25 | | |
| Benzo(g,h,i)perylene | 1107 | 30 | 1333 | 0 | 83.1 | 40-125 | 1130 | 2 | 25 | | |
| Benzo(k)fluoranthene | 1380 | 30 | 1333 | 0 | 104 | 45-115 | 1137 | 19.4 | 25 | | |
| Chrysene | 1116 | 30 | 1333 | 0 | 83.7 | 55-110 | 1078 | 3.43 | 25 | | |
| Dibenzo(a,h)anthracene | 1271 | 30 | 1333 | 0 | 95.4 | 40-125 | 1250 | 1.67 | 25 | | |
| Fluoranthene | 1121 | 30 | 1333 | 0 | 84.1 | 55-115 | 1083 | 3.51 | 25 | | |
| Fluorene | 1121 | 30 | 1333 | 0 | 84.1 | 50-110 | 1157 | 3.19 | 25 | | |
| Indeno(1,2,3-cd)pyrene | 1240 | 30 | 1333 | 0 | 93 | 40-120 | 1234 | 0.539 | 25 | | |
| Naphthalene | 720.3 | 30 | 1333 | 0 | 54 | 40-105 | 962.7 | 28.8 | 25 | R | |
| Pyrene | 1073 | 30 | 1333 | 0 | 80.5 | 45-125 | 1023 | 4.8 | 25 | | |
| Surr: 2,4,6-Tribromophenol | 1212 | 0 | 1667 | 0 | 72.7 | 34-140 | 1193 | 1.58 | 40 | | |
| Surr: 2-Fluorobiphenyl | 735.3 | 0 | 1667 | 0 | 44.1 | 12-100 | 961.7 | 26.7 | 40 | | |
| Surr: 2-Fluorophenol | 738.3 | 0 | 1667 | 0 | 44.3 | 33-117 | 892.3 | 18.9 | 40 | | |
| Surr: 4-Terphenyl-d14 | 1256 | 0 | 1667 | 0 | 75.4 | 25-137 | 1226 | 2.39 | 40 | | |
| Surr: Nitrobenzene-d5 | 885.3 | 0 | 1667 | 0 | 53.1 | 37-107 | 1175 | 28.1 | 40 | | |
| Surr: Phenol-d6 | 797.3 | 0 | 1667 | 0 | 47.8 | 40-106 | 992.7 | 21.8 | 40 | | |

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

Client: HRL Compliance Solutions
Work Order: 1107473
Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: 34439 Instrument ID SVMS5 Method: SW8270

| MS | | Sample ID: 1107410-03A MS | | | Units: µg/Kg | | Analysis Date: 7/21/2011 10:36 PM | | | |
|----------------------------|--------|---------------------------|---------|---------------|----------------|---------------|-----------------------------------|------|-----------|------|
| Client ID: | | Run ID: SVMS5_110721A | | | SeqNo: 1683517 | | Prep Date: 7/20/2011 | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Acenaphthene | 1558 | 57 | 2553 | 0 | 61.1 | 45-110 | 0 | | | |
| Anthracene | 1989 | 57 | 2553 | 0 | 77.9 | 55-105 | 0 | | | |
| Benzo(a)anthracene | 1967 | 57 | 2553 | 26.88 | 76 | 50-110 | 0 | | | |
| Benzo(a)pyrene | 2070 | 57 | 2553 | 22.56 | 80.2 | 50-110 | 0 | | | |
| Benzo(b)fluoranthene | 2301 | 57 | 2553 | 18.58 | 89.4 | 45-115 | 0 | | | |
| Benzo(g,h,i)perylene | 2106 | 57 | 2553 | 17.92 | 81.8 | 40-125 | 0 | | | |
| Benzo(k)fluoranthene | 2191 | 57 | 2553 | 15.6 | 85.2 | 45-115 | 0 | | | |
| Chrysene | 1999 | 57 | 2553 | 20.57 | 77.5 | 55-110 | 0 | | | |
| Dibenzo(a,h)anthracene | 2274 | 57 | 2553 | 0 | 89.1 | 40-125 | 0 | | | |
| Fluoranthene | 2089 | 57 | 2553 | 26.88 | 80.8 | 55-115 | 0 | | | |
| Fluorene | 2023 | 57 | 2553 | 0 | 79.3 | 50-110 | 0 | | | |
| Indeno(1,2,3-cd)pyrene | 2274 | 57 | 2553 | 13.6 | 88.5 | 40-120 | 0 | | | |
| Naphthalene | 1461 | 57 | 2553 | 0 | 57.2 | 40-105 | 0 | | | |
| Pyrene | 1859 | 57 | 2553 | 25.55 | 71.8 | 45-125 | 0 | | | |
| Surr: 2,4,6-Tribromophenol | 2258 | 0 | 3191 | 0 | 70.8 | 34-140 | 0 | | | |
| Surr: 2-Fluorobiphenyl | 1221 | 0 | 3191 | 0 | 38.3 | 12-100 | 0 | | | |
| Surr: 2-Fluorophenol | 1427 | 0 | 3191 | 0 | 44.7 | 33-117 | 0 | | | |
| Surr: 4-Terphenyl-d14 | 1649 | 0 | 3191 | 0 | 51.7 | 25-137 | 0 | | | |
| Surr: Nitrobenzene-d5 | 1900 | 0 | 3191 | 0 | 59.5 | 37-107 | 0 | | | |
| Surr: Phenol-d6 | 1609 | 0 | 3191 | 0 | 50.4 | 40-106 | 0 | | | |

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

Client: HRL Compliance Solutions
 Work Order: 1107473
 Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: 34439 Instrument ID SVMS5 Method: SW8270

| MSD | Sample ID: 1107410-03A MSD | Units: µg/Kg | | | | | Analysis Date: 7/21/2011 11:12 PM | | | | |
|----------------------------|----------------------------|----------------|---------|---------------|----------------------|---------------|-----------------------------------|-------|-----------|------|--|
| Client ID: | Run ID: SVMS5_110721A | SeqNo: 1683518 | | | Prep Date: 7/20/2011 | | DF: 1 | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Acenaphthene | 1716 | 56 | 2505 | 0 | 68.5 | 45-110 | 1558 | 9.59 | 30 | | |
| Anthracene | 2073 | 56 | 2505 | 0 | 82.8 | 55-105 | 1989 | 4.16 | 30 | | |
| Benzo(a)anthracene | 2012 | 56 | 2505 | 26.88 | 79.3 | 50-110 | 1967 | 2.28 | 30 | | |
| Benzo(a)pyrene | 2096 | 56 | 2505 | 22.56 | 82.8 | 50-110 | 2070 | 1.25 | 30 | | |
| Benzo(b)fluoranthene | 2262 | 56 | 2505 | 18.58 | 89.6 | 45-115 | 2301 | 1.68 | 30 | | |
| Benzo(g,h,i)perylene | 1826 | 56 | 2505 | 17.92 | 72.2 | 40-125 | 2106 | 14.2 | 30 | | |
| Benzo(k)fluoranthene | 2364 | 56 | 2505 | 15.6 | 93.8 | 45-115 | 2191 | 7.62 | 30 | | |
| Chrysene | 2041 | 56 | 2505 | 20.57 | 80.7 | 55-110 | 1999 | 2.07 | 30 | | |
| Dibenzo(a,h)anthracene | 2092 | 56 | 2505 | 0 | 83.5 | 40-125 | 2274 | 8.34 | 30 | | |
| Fluoranthene | 2281 | 56 | 2505 | 26.88 | 90 | 55-115 | 2089 | 8.77 | 30 | | |
| Fluorene | 2193 | 56 | 2505 | 0 | 87.5 | 50-110 | 2023 | 8.05 | 30 | | |
| Indeno(1,2,3-cd)pyrene | 2069 | 56 | 2505 | 13.6 | 82 | 40-120 | 2274 | 9.45 | 30 | | |
| Naphthalene | 1520 | 56 | 2505 | 0 | 60.7 | 40-105 | 1461 | 3.98 | 30 | | |
| Pyrene | 1798 | 56 | 2505 | 25.55 | 70.8 | 45-125 | 1859 | 3.33 | 30 | | |
| Surr: 2,4,6-Tribromophenol | 2288 | 0 | 3132 | 0 | 73.1 | 34-140 | 2258 | 1.32 | 40 | | |
| Surr: 2-Fluorobiphenyl | 1406 | 0 | 3132 | 0 | 44.9 | 12-100 | 1221 | 14.1 | 40 | | |
| Surr: 2-Fluorophenol | 1389 | 0 | 3132 | 0 | 44.3 | 33-117 | 1427 | 2.73 | 40 | | |
| Surr: 4-Terphenyl-d14 | 1717 | 0 | 3132 | 0 | 54.8 | 25-137 | 1649 | 4.06 | 40 | | |
| Surr: Nitrobenzene-d5 | 1910 | 0 | 3132 | 0 | 61 | 37-107 | 1900 | 0.512 | 40 | | |
| Surr: Phenol-d6 | 1615 | 0 | 3132 | 0 | 51.6 | 40-106 | 1609 | 0.358 | 40 | | |

The following samples were analyzed in this batch: 1107473-01A 1107473-02A 1107473-03A
 1107473-04A

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

Client: HRL Compliance Solutions
 Work Order: 1107473
 Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: R92473 Instrument ID VMS6 Method: SW8260

MBLK Sample ID: VBLKW2-110720-R92473 Units: µg/L Analysis Date: 7/20/2011 09:14 PM
 Client ID: Run ID: VMS6_110720A SeqNo: 1682498 Prep Date: DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|-----------------------------|--------|-----|---------|---------------|------|---------------|---------------|------|-----------|------|
| 1,1,1-Trichloroethane | ND | 1.0 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1.0 | | | | | | | | |
| 1,1-Dichloroethane | ND | 1.0 | | | | | | | | |
| 1,1-Dichloroethene | ND | 1.0 | | | | | | | | |
| 1,2-Dichloroethane | ND | 1.0 | | | | | | | | |
| 1,2-Dichloropropane | ND | 2.0 | | | | | | | | |
| 2-Butanone | ND | 5.0 | | | | | | | | |
| 2-Hexanone | ND | 5.0 | | | | | | | | |
| 4-Methyl-2-pentanone | ND | 5.0 | | | | | | | | |
| Acetone | ND | 20 | | | | | | | | |
| Benzene | ND | 1.0 | | | | | | | | |
| Bromodichloromethane | ND | 1.0 | | | | | | | | |
| Bromoform | ND | 1.0 | | | | | | | | |
| Bromomethane | ND | 1.0 | | | | | | | | |
| Carbon disulfide | ND | 2.5 | | | | | | | | |
| Carbon tetrachloride | ND | 1.0 | | | | | | | | |
| Chlorobenzene | ND | 1.0 | | | | | | | | |
| Chloroethane | ND | 1.0 | | | | | | | | |
| Chloroform | ND | 1.0 | | | | | | | | |
| Chloromethane | ND | 1.0 | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 1.0 | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 1.0 | | | | | | | | |
| Dibromochloromethane | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| m,p-Xylene | ND | 2.0 | | | | | | | | |
| Methyl iodide | ND | 5.0 | | | | | | | | |
| Methylene chloride | 0.33 | 5.0 | | | | | | | | J |
| o-Xylene | ND | 1.0 | | | | | | | | |
| Styrene | ND | 1.0 | | | | | | | | |
| Tetrachloroethene | ND | 2.0 | | | | | | | | |
| Toluene | ND | 1.0 | | | | | | | | |
| trans-1,2-Dichloroethene | ND | 1.0 | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 1.0 | | | | | | | | |
| trans-1,4-Dichloro-2-butene | ND | 5.0 | | | | | | | | |
| Trichloroethene | ND | 1.0 | | | | | | | | |
| Vinyl acetate | ND | 1.0 | | | | | | | | |
| Xylenes, Total | ND | 2.0 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 102 | 0 | 100 | 0 | 102 | 70-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 96.7 | 0 | 100 | 0 | 96.7 | 75-120 | 0 | | | |
| Surr: Dibromofluoromethane | 100.8 | 0 | 100 | 0 | 101 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 100.4 | 0 | 100 | 0 | 100 | 85-120 | 0 | | | |

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

Client: HRL Compliance Solutions
 Work Order: 1107473
 Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: R92473 Instrument ID VMS6 Method: SW8260

LCS Sample ID: VLCSW1-110720-R92473 Units: µg/L Analysis Date: 7/20/2011 07:51 PM
 Client ID: Run ID: VMS6_110720A SeqNo: 1682495 Prep Date: DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|-----------------------------|--------|-----|---------|---------------|------|---------------|---------------|------|-----------|------|
| 1,1,1-Trichloroethane | 19.76 | 1.0 | 20 | 0 | 98.8 | 65-130 | 0 | | | |
| 1,1,2,2-Tetrachloroethane | 21.53 | 1.0 | 20 | 0 | 108 | 65-130 | 0 | | | |
| 1,1,2-Trichloroethane | 20.68 | 1.0 | 20 | 0 | 103 | 75-125 | 0 | | | |
| 1,1-Dichloroethane | 19.86 | 1.0 | 20 | 0 | 99.3 | 70-135 | 0 | | | |
| 1,1-Dichloroethene | 21.35 | 1.0 | 20 | 0 | 107 | 70-130 | 0 | | | |
| 1,2-Dichloroethane | 20.3 | 1.0 | 20 | 0 | 102 | 70-130 | 0 | | | |
| 1,2-Dichloropropane | 20.04 | 2.0 | 20 | 0 | 100 | 75-125 | 0 | | | |
| 2-Butanone | 22.31 | 5.0 | 20 | 0 | 112 | 30-150 | 0 | | | |
| 2-Hexanone | 21.01 | 5.0 | 20 | 0 | 105 | 55-130 | 0 | | | |
| 4-Methyl-2-pentanone | 27.16 | 5.0 | 20 | 0 | 136 | 60-135 | 0 | | | S |
| Acetone | 23.58 | 20 | 20 | 0 | 118 | 40-140 | 0 | | | |
| Benzene | 20.96 | 1.0 | 20 | 0 | 105 | 80-120 | 0 | | | |
| Bromodichloromethane | 18.69 | 1.0 | 20 | 0 | 93.4 | 75-120 | 0 | | | |
| Bromoform | 20.34 | 1.0 | 20 | 0 | 102 | 70-130 | 0 | | | |
| Bromomethane | 21.43 | 1.0 | 20 | 0 | 107 | 30-145 | 0 | | | |
| Carbon disulfide | 19.76 | 2.5 | 20 | 0 | 98.8 | 35-165 | 0 | | | |
| Carbon tetrachloride | 19 | 1.0 | 20 | 0 | 95 | 65-140 | 0 | | | |
| Chlorobenzene | 20.03 | 1.0 | 20 | 0 | 100 | 80-120 | 0 | | | |
| Chloroethane | 19.4 | 1.0 | 20 | 0 | 97 | 60-135 | 0 | | | |
| Chloroform | 19.95 | 1.0 | 20 | 0 | 99.8 | 65-135 | 0 | | | |
| Chloromethane | 16.39 | 1.0 | 20 | 0 | 82 | 70-125 | 0 | | | |
| cis-1,2-Dichloroethene | 20.08 | 1.0 | 20 | 0 | 100 | 70-125 | 0 | | | |
| cis-1,3-Dichloropropene | 19.58 | 1.0 | 20 | 0 | 97.9 | 70-130 | 0 | | | |
| Dibromochloromethane | 20.7 | 1.0 | 20 | 0 | 104 | 60-135 | 0 | | | |
| Ethylbenzene | 19.19 | 1.0 | 20 | 0 | 96 | 75-125 | 0 | | | |
| m,p-Xylene | 38.12 | 2.0 | 40 | 0 | 95.3 | 75-130 | 0 | | | |
| Methyl iodide | 23.24 | 5.0 | 20 | 0 | 116 | 70-135 | 0 | | | |
| Methylene chloride | 21.18 | 5.0 | 20 | 0 | 106 | 55-140 | 0 | | | |
| o-Xylene | 19.57 | 1.0 | 20 | 0 | 97.8 | 80-120 | 0 | | | |
| Styrene | 19.47 | 1.0 | 20 | 0 | 97.4 | 65-135 | 0 | | | |
| Tetrachloroethene | 19.28 | 2.0 | 20 | 0 | 96.4 | 45-150 | 0 | | | |
| Toluene | 20.19 | 1.0 | 20 | 0 | 101 | 75-120 | 0 | | | |
| trans-1,2-Dichloroethene | 20.98 | 1.0 | 20 | 0 | 105 | 60-140 | 0 | | | |
| trans-1,3-Dichloropropene | 19.59 | 1.0 | 20 | 0 | 98 | 55-140 | 0 | | | |
| trans-1,4-Dichloro-2-butene | 17.44 | 5.0 | 20 | 0 | 87.2 | 70-135 | 0 | | | |
| Trichloroethene | 19.75 | 1.0 | 20 | 0 | 98.8 | 70-125 | 0 | | | |
| Xylenes, Total | 57.69 | 2.0 | 60 | 0 | 96.2 | 75-130 | 0 | | | |
| Surr: 1,2-Dichloroethane-d4 | 102.2 | 0 | 100 | 0 | 102 | 70-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 100.1 | 0 | 100 | 0 | 100 | 75-120 | 0 | | | |
| Surr: Dibromofluoromethane | 102.2 | 0 | 100 | 0 | 102 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 101.4 | 0 | 100 | 0 | 101 | 85-120 | 0 | | | |

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

Client: HRL Compliance Solutions
 Work Order: 1107473
 Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: R92473 Instrument ID VMS6 Method: SW8260

| LCSD | Sample ID: VLCSDW1-110720-R92473 | Units: µg/L | | | | | Analysis Date: 7/20/2011 08:19 PM | | | | |
|-----------------------------|----------------------------------|----------------|---------|---------------|------------|---------------|-----------------------------------|-------|-----------|------|--|
| Client ID: | Run ID: VMS6_110720A | SeqNo: 1682497 | | | Prep Date: | | DF: 1 | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| 1,1,1-Trichloroethane | 20.21 | 1.0 | 20 | 0 | 101 | 65-130 | 19.76 | 2.25 | 30 | | |
| 1,1,2,2-Tetrachloroethane | 20.71 | 1.0 | 20 | 0 | 104 | 65-130 | 21.53 | 3.88 | 30 | | |
| 1,1,2-Trichloroethane | 20.12 | 1.0 | 20 | 0 | 101 | 75-125 | 20.68 | 2.75 | 30 | | |
| 1,1-Dichloroethane | 20.03 | 1.0 | 20 | 0 | 100 | 70-135 | 19.86 | 0.852 | 30 | | |
| 1,1-Dichloroethene | 21.95 | 1.0 | 20 | 0 | 110 | 70-130 | 21.35 | 2.77 | 30 | | |
| 1,2-Dichloroethane | 20.2 | 1.0 | 20 | 0 | 101 | 70-130 | 20.3 | 0.494 | 30 | | |
| 1,2-Dichloropropane | 19.95 | 2.0 | 20 | 0 | 99.8 | 75-125 | 20.04 | 0.45 | 30 | | |
| 2-Butanone | 18.93 | 5.0 | 20 | 0 | 94.6 | 30-150 | 22.31 | 16.4 | 30 | | |
| 2-Hexanone | 19.74 | 5.0 | 20 | 0 | 98.7 | 55-130 | 21.01 | 6.23 | 30 | | |
| 4-Methyl-2-pentanone | 25.36 | 5.0 | 20 | 0 | 127 | 60-135 | 27.16 | 6.85 | 30 | | |
| Acetone | 21.24 | 20 | 20 | 0 | 106 | 40-140 | 23.58 | 10.4 | 30 | | |
| Benzene | 21.19 | 1.0 | 20 | 0 | 106 | 80-120 | 20.96 | 1.09 | 30 | | |
| Bromodichloromethane | 18.74 | 1.0 | 20 | 0 | 93.7 | 75-120 | 18.69 | 0.267 | 30 | | |
| Bromoform | 20.04 | 1.0 | 20 | 0 | 100 | 70-130 | 20.34 | 1.49 | 30 | | |
| Bromomethane | 22.27 | 1.0 | 20 | 0 | 111 | 30-145 | 21.43 | 3.84 | 30 | | |
| Carbon disulfide | 20.16 | 2.5 | 20 | 0 | 101 | 35-165 | 19.76 | 2 | 30 | | |
| Carbon tetrachloride | 19.44 | 1.0 | 20 | 0 | 97.2 | 65-140 | 19 | 2.29 | 30 | | |
| Chlorobenzene | 19.81 | 1.0 | 20 | 0 | 99 | 80-120 | 20.03 | 1.1 | 30 | | |
| Chloroethane | 20.32 | 1.0 | 20 | 0 | 102 | 60-135 | 19.4 | 4.63 | 30 | | |
| Chloroform | 20.15 | 1.0 | 20 | 0 | 101 | 65-135 | 19.95 | 0.998 | 30 | | |
| Chloromethane | 16.7 | 1.0 | 20 | 0 | 83.5 | 70-125 | 16.39 | 1.87 | 30 | | |
| cis-1,2-Dichloroethene | 20.7 | 1.0 | 20 | 0 | 104 | 70-125 | 20.08 | 3.04 | 30 | | |
| cis-1,3-Dichloropropene | 19.38 | 1.0 | 20 | 0 | 96.9 | 70-130 | 19.58 | 1.03 | 30 | | |
| Dibromochloromethane | 20.11 | 1.0 | 20 | 0 | 101 | 60-135 | 20.7 | 2.89 | 30 | | |
| Ethylbenzene | 19.31 | 1.0 | 20 | 0 | 96.6 | 75-125 | 19.19 | 0.623 | 30 | | |
| m,p-Xylene | 38.06 | 2.0 | 40 | 0 | 95.2 | 75-130 | 38.12 | 0.158 | 30 | | |
| Methyl iodide | 23.93 | 5.0 | 20 | 0 | 120 | 70-135 | 23.24 | 2.93 | 30 | | |
| Methylene chloride | 21.28 | 5.0 | 20 | 0 | 106 | 55-140 | 21.18 | 0.471 | 30 | | |
| o-Xylene | 19.47 | 1.0 | 20 | 0 | 97.4 | 80-120 | 19.57 | 0.512 | 30 | | |
| Styrene | 19.28 | 1.0 | 20 | 0 | 96.4 | 65-135 | 19.47 | 0.981 | 30 | | |
| Tetrachloroethene | 19.62 | 2.0 | 20 | 0 | 98.1 | 45-150 | 19.28 | 1.75 | 30 | | |
| Toluene | 20.19 | 1.0 | 20 | 0 | 101 | 75-120 | 20.19 | 0 | 30 | | |
| trans-1,2-Dichloroethene | 21.54 | 1.0 | 20 | 0 | 108 | 60-140 | 20.98 | 2.63 | 30 | | |
| trans-1,3-Dichloropropene | 19.15 | 1.0 | 20 | 0 | 95.8 | 55-140 | 19.59 | 2.27 | 30 | | |
| trans-1,4-Dichloro-2-butene | 16.7 | 5.0 | 20 | 0 | 83.5 | 70-135 | 17.44 | 4.34 | 30 | | |
| Trichloroethene | 19.7 | 1.0 | 20 | 0 | 98.5 | 70-125 | 19.75 | 0.253 | 30 | | |
| Xylenes, Total | 57.53 | 2.0 | 60 | 0 | 95.9 | 75-130 | 57.69 | 0.278 | 30 | | |
| Surr: 1,2-Dichloroethane-d4 | 102.5 | 0 | 100 | 0 | 102 | 70-120 | 102.2 | 0.332 | 30 | | |
| Surr: 4-Bromofluorobenzene | 99.39 | 0 | 100 | 0 | 99.4 | 75-120 | 100.1 | 0.682 | 30 | | |
| Surr: Dibromofluoromethane | 102.4 | 0 | 100 | 0 | 102 | 85-115 | 102.2 | 0.225 | 30 | | |
| Surr: Toluene-d8 | 100.5 | 0 | 100 | 0 | 101 | 85-120 | 101.4 | 0.872 | 30 | | |

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

Client: HRL Compliance Solutions
Work Order: 1107473
Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: **R92473** Instrument ID **VMS6** Method: **SW8260**

The following samples were analyzed in this batch:

| | | |
|-------------|-------------|-------------|
| 1107473-01A | 1107473-02A | 1107473-03A |
| 1107473-04A | | |

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

Client: HRL Compliance Solutions
 Work Order: 1107473
 Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: 34503 Instrument ID WETCHEM Method: SW7196A

MBLK Sample ID: MBLK-34503-34503 Units: mg/Kg Analysis Date: 7/22/2011 03:00 PM
 Client ID: Run ID: WETCHEM_110722F SeqNo: 1684520 Prep Date: 7/21/2011 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-34503-34503 Units: mg/Kg Analysis Date: 7/22/2011 03:00 PM
 Client ID: Run ID: WETCHEM_110722F SeqNo: 1684518 Prep Date: 7/21/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------------------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Chromium, Hexavalent | 1.864 | 0.48 | 1.938 | 0 | 96.2 | 75-110 | 0 | | | |

LCSD Sample ID: LCSD-34503-34503 Units: mg/Kg Analysis Date: 7/22/2011 03:00 PM
 Client ID: Run ID: WETCHEM_110722F SeqNo: 1684519 Prep Date: 7/21/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------------------|--------|------|---------|---------------|------|---------------|---------------|-------|-----------|------|
| Chromium, Hexavalent | 1.857 | 0.48 | 1.931 | 0 | 96.2 | 75-110 | 1.864 | 0.387 | 20 | |

MS Sample ID: 1107476-05A MS Units: mg/Kg Analysis Date: 7/22/2011 03:00 PM
 Client ID: Run ID: WETCHEM_110722F SeqNo: 1684514 Prep Date: 7/21/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------------------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Chromium, Hexavalent | 0.8224 | 0.48 | 1.931 | 0 | 42.6 | 60-130 | 0 | | | S |

MSD Sample ID: 1107476-05A MSD Units: mg/Kg Analysis Date: 7/22/2011 03:00 PM
 Client ID: Run ID: WETCHEM_110722F SeqNo: 1684515 Prep Date: 7/21/2011 DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|----------------------|--------|------|---------|---------------|------|---------------|---------------|------|-----------|------|
| Chromium, Hexavalent | 0.996 | 0.50 | 1.984 | 0 | 50.2 | 60-130 | 0.8224 | 19.1 | 30 | S |

The following samples were analyzed in this batch:

| | | |
|-------------|-------------|-------------|
| 1107473-01A | 1107473-02A | 1107473-03A |
| 1107473-04A | | |

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

Client: HRL Compliance Solutions
Work Order: 1107473
Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: R92428 Instrument ID WETCHEM Method: SW9045D

DUP Sample ID: 1107468-03ADUP Units: s.u. Analysis Date: 7/20/2011 08:30 AM
 Client ID: Run ID: WETCHEM_110720G SeqNo: 1681657 Prep Date: DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|-----|---------|---------------|------|---------------|---------------|------|-----------|------|
| pH | 8.38 | 0 | 0 | 0 | 0 | 0-0 | 8.38 | 0 | 20 | |

DUP Sample ID: 1107475-01ADUP Units: s.u. Analysis Date: 7/20/2011 08:30 AM
 Client ID: Run ID: WETCHEM_110720G SeqNo: 1681665 Prep Date: DF: 1

| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
|---------|--------|-----|---------|---------------|------|---------------|---------------|------|-----------|------|
| pH | 8.56 | 0 | 0 | 0 | 0 | 0-0 | 8.56 | 0 | 20 | |

The following samples were analyzed in this batch:

| | | |
|-------------|-------------|-------------|
| 1107473-01A | 1107473-02A | 1107473-03A |
| 1107473-04A | | |

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

Client: HRL Compliance Solutions
 Work Order: 1107473
 Project: Black Hills Fed 35-2 Stockpile 11-201

QC BATCH REPORT

Batch ID: R92429 Instrument ID MOIST Method: A2540 G

| MBLK | Sample ID: WBLKS1-R92429 | Units: % of sample | | | | | Analysis Date: 7/20/2011 12:00 PM | | | | |
|------------|--------------------------|--------------------|---------|---------------|------------|---------------|-----------------------------------|------|-----------|------|--|
| Client ID: | Run ID: MOIST_110720A | SeqNo: 1681687 | | | 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-R92429 | Units: % of sample | | | | | Analysis Date: 7/20/2011 12:00 PM | | | | |
|------------|-----------------------|--------------------|---------|---------------|------------|---------------|-----------------------------------|------|-----------|------|--|
| Client ID: | Run ID: MOIST_110720A | SeqNo: 1681686 | | | 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: 1107467-01ADUP | Units: % of sample | | | | | Analysis Date: 7/20/2011 12:00 PM | | | | |
|------------|---------------------------|--------------------|---------|---------------|------------|---------------|-----------------------------------|------|-----------|------|--|
| Client ID: | Run ID: MOIST_110720A | SeqNo: 1681675 | | | Prep Date: | | DF: 1 | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Moisture | 25.59 | 0.050 | 0 | 0 | 0 | 0-0 | 25.91 | 1.24 | 20 | | |

| DUP | Sample ID: 1107474-03ADUP | Units: % of sample | | | | | Analysis Date: 7/20/2011 12:00 PM | | | | |
|------------|---------------------------|--------------------|---------|---------------|------------|---------------|-----------------------------------|------|-----------|------|--|
| Client ID: | Run ID: MOIST_110720A | SeqNo: 1681685 | | | Prep Date: | | DF: 1 | | | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Moisture | 10.98 | 0.050 | 0 | 0 | 0 | 0-0 | 10.54 | 4.09 | 20 | | |

The following samples were analyzed in this batch:

| | | |
|-------------|-------------|-------------|
| 1107473-01A | 1107473-02A | 1107473-03A |
| 1107473-04A | | |

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

| | | | | | | | |
|---|-------------------------|---------------------------|-------------|---------------------|-----------|--|----|
| PROJECT NAME Black Hills Fed 35-2 Stockpile Sampling | | SAMPLER KRIS ROWE | | DATE 7/19/2011 | | WORKORDER # 1107473 | |
| PROJECT No. | 11-201 | SITE ID | | TURNAROUND 24 HR | | PAGE 1 of 1 | |
| EDD FORMAT | | VOCS (FULL LIST) | | SAR/EC/PH | | DISPOSAL By Lab or Return to Client | |
| PURCHASE ORDER | | SEMI VOLTS -PAH (910-1) | | | | | |
| BILL TO COMPANY | | TOTAL METALS (910-1 LIST) | | | | | |
| INVOICE ATTN TO | | TPH - GRO | | | | | |
| ADDRESS | | TEPH - DRO | | | | | |
| CITY / STATE / ZIP | | | | | | | |
| PHONE | | | | | | | |
| FAX | | | | | | | |
| E-MAIL | | | | | | | |
| COMPANY NAME HRL COMPLIANCE SOLUTIONS Inc. | | Matrix | | Sample Date | | Sample Time | |
| SEND REPORT TO KRIS ROWE | | SO | | 7/19/2011 | | 14:46 | |
| ADDRESS 744 HORIZON CT SUITE 140 | | SO | | 7/19/2011 | | 13-30 | |
| CITY / STATE / ZIP GRAND JUNCTION CO 81506 | | SO | | 7/19/2011 | | 14:21 | |
| PHONE 970-243-3271 | | SO | | 7/19/2011 | | 15:02 | |
| FAX 970-243-3280 | | | | | | | |
| E-MAIL KROWE@HRLCOMP.COM | | | | | | | |
| Lab ID | Field ID | Matrix | Sample Date | Sample Time | # Bottles | Pres. | QC |
| 1 | BOTTOM 8-9 FT INWARD | SO | 7/19/2011 | 14:46 | 2 | | |
| 2 | MIDDLE 2-3 FT INWARD | SO | 7/19/2011 | 13-30 | 3 | | |
| 3 | TOP 4-5 FT INWARD | SO | 7/19/2011 | 14:21 | 4 | | |
| 4 | SOUTH END 4-5 FT INWARD | SO | 7/19/2011 | 15:02 | 5 | | |

*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: 5.8 cc

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

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

| | | | | |
|-----------------|--------------------|--------------|-----------|-------|
| RELINQUISHED BY | SIGNATURE | PRINTED NAME | DATE | TIME |
| RECEIVED BY | <i>[Signature]</i> | Kris Rowe | 7/19/2011 | 17:00 |
| RELINQUISHED BY | | Kerry Wierse | 7/20/11 | 1105 |
| RECEIVED BY | | | | |
| RELINQUISHED BY | | | | |
| RECEIVED BY | | | | |

CHAIN-OF-CUSTODY RECORD


Subcontractor:
 A & L Great Lakes Agricultural Lab
 3505 Conestoga Dr
 Ft. Wayne, IN 46808

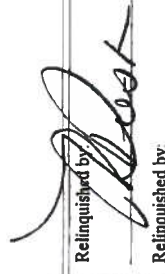
TEL: (260) 483-4759
FAX: (260) 483-5274
Acct #: 91000

Date: 20-Jul-11
COC ID: 3005
Due Date: 22-Jul-11

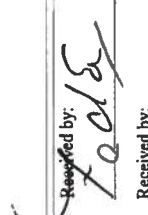
| Customer Information | | Project Information | | Parameter/Method Request for Analysis | | | | | | | | | | |
|---------------------------------------|------------------------------|--------------------------------------|----------------------|---------------------------------------|---|---|---|---|---|---|---|---|---|---|
| Subcontracted Analyses (SUBCONTRACT) | | Subcontracted Analyses (SUBCONTRACT) | | | | | | | | | | | | |
| Purchase Order | Project Name | Project Number | Collection Date 24hr | Bottle | A | B | C | D | E | F | G | H | I | J |
| Work Order | 1107473 | 1107473 | 19Jul2011 14:46 | (1) MISC | X | | | | | | | | | |
| Company Name | ALS Group USA, Corp | ALS Group USA, Corp | 19Jul2011 13:30 | (1) MISC | X | | | | | | | | | |
| Send Report To | Ann Preston | Accounts Payable | 19Jul2011 14:21 | (1) MISC | X | | | | | | | | | |
| Address | 3352 128th Avenue | 3352 128th Avenue | 19Jul2011 15:02 | (1) MISC | X | | | | | | | | | |
| City/State/Zip | Holland, Michigan 49424-9263 | Holland, Michigan 49424-9263 | | | | | | | | | | | | |
| Phone | (616) 399-6070 | (616) 399-6070 | | | | | | | | | | | | |
| Fax | (616) 399-6185 | (616) 399-6185 | | | | | | | | | | | | |
| eMail Address | ann.preston@alsglobal.com | eMail CC | | | | | | | | | | | | |
| Sample ID | Matrix | Collection Date 24hr | Bottle | | | | | | | | | | | |
| 1107473-01B (Bottom 8-9 Ft Inward) | Soil | 19Jul2011 14:46 | (1) MISC | X | | | | | | | | | | |
| 1107473-02B (Middle 2-3 Ft Inward) | Soil | 19Jul2011 13:30 | (1) MISC | X | | | | | | | | | | |
| 1107473-03B (Top 4-5 Ft Inward) | Soil | 19Jul2011 14:21 | (1) MISC | X | | | | | | | | | | |
| 1107473-04B (South End 4-5 Ft Inward) | Soil | 19Jul2011 15:02 | (1) MISC | X | | | | | | | | | | |

Comments:

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

Relinquished by: 

Date/Time: 7/20/11

Received by: 

Date/Time: _____

Report/QC Level: Std

Cooler IDs: _____

Date/Time: _____

Date/Time: _____

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **20-Jul-11 11:05**

Work Order: **1107473**

Received by: **KRW**

Checklist completed by Keith Wieringa 20-Jul-11
eSignature Date

Reviewed by: Ann Preston 20-Jul-11
eSignature Date

Matrices: **Soil**

Carrier name: **FedEx**

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temperature(s)/Thermometer(s): | <input type="text" value="5.8 C"/> <input type="text"/> | | |
| Cooler(s)/Kit(s): | <input type="text"/> | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| pH adjusted? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| pH adjusted by: | <input type="text"/> | | |

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

FedEx NEW Package Express US Airbill

FedEx Tracking Number

8757 1479 5759

0200

FedEx Retrieval Copy

From Date 7/19/01
Sender's Name Kels Bova
Company ARE Compliance Solutions Inc.
Address 744 Horizon Ct
City Grand Junction State CO ZIP 81505

Sender's FedEx Account Number 8757 1479 5759

4 Express Package Service
NOTE: Service order has changed. Please select carefully.

2 or 3 Business Days
NEW FedEx 2Day AM
Second business morning
Saturday delivery NOT available

49 Next Business Day
FedEx First Overnight
Earliest next business morning delivery to select business destinations
Monday through Saturday delivery is selected

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

05 FedEx Standard Overnight
Next business morning
Saturday delivery NOT available

06 FedEx Envelope
02 FedEx Pak
03 FedEx Box
04 FedEx Tube
07 Other

06 FedEx First Overnight
Earliest next business morning delivery to select business destinations
Monday through Saturday delivery is selected

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

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

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

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

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

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

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

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

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

03 Indirect Signature
No one is available at recipient's address. Signature is obtained from a third party. Fee applies.

03 Indirect Signature
No one is available at recipient's address. Signature is obtained from a third party. Fee applies.

03 Indirect Signature
No one is available at recipient's address. Signature is obtained from a third party. Fee applies.

03 Indirect Signature
No one is available at recipient's address. Signature is obtained from a third party. Fee applies.

04 Signature Required
Signature required for delivery. Fee applies.

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QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

SEAL

SIGNATURE

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8757 1479 5759

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