Prairie Analytical Systems, Inc.

Date: *01-May-09*

CLIENT:	Flint Hills Resources	**Client Sample ID:**	Soil From MB (MB-01)
Lab Order:	0904236	**Collection Date:**	4/20/2009 8:45:00 AM
Project:	MB Soil Excavation		
Lab ID:	0904236-001	**Matrix:**	SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS ANALYSIS		**SW6020**		**(SW3050B)**		Analyst: **JTC**
Arsenic	32.3	0.598		mg/Kg-dry	2	4/26/2009 1:51:00 AM
Barium	153	0.598		mg/Kg-dry	2	4/26/2009 1:51:00 AM
Cadmium	61.5	0.598		mg/Kg-dry	2	4/26/2009 1:51:00 AM
Chromium	12.2	0.598		mg/Kg-dry	2	4/26/2009 1:51:00 AM
Lead	1430	29.8		mg/Kg-dry	100	4/26/2009 12:22:00 AM
Mercury	0.183	0.120		mg/Kg-dry	2	4/27/2009 11:23:00 PM
Molybdenum	6.34	0.598		mg/Kg-dry	2	4/26/2009 1:51:00 AM
Selenium	2.54	0.598		mg/Kg-dry	2	4/26/2009 1:51:00 AM
Silver	3.69	0.598		mg/Kg-dry	2	4/26/2009 1:51:00 AM
Zinc	54000	298		mg/Kg-dry	500	4/26/2009 12:48:00 AM
TCLP METALS ANALYSIS		**SW6020**		**(SW3005A)**		Analyst: **JTC**
Arsenic	U	0.0050		mg/L	1	5/1/2009 12:14:00 PM
Barium	0.128	0.0050		mg/L	1	5/1/2009 12:14:00 PM
Cadmium	0.595	0.0010		mg/L	1	5/1/2009 12:14:00 PM
Chromium	U	0.0050		mg/L	1	5/1/2009 12:14:00 PM
Lead	0.781	0.0050		mg/L	1	5/1/2009 12:14:00 PM
Mercury	U	0.0002		mg/L	1	5/1/2009 12:14:00 PM
Selenium	U	0.0050		mg/L	1	5/1/2009 12:14:00 PM
Silver	U	0.0050		mg/L	1	5/1/2009 12:14:00 PM
PERCENT MOISTURE ANALYSIS		**D2216**				Analyst: **RMN**
Percent Moisture	18.9	0.01		wt%	1	4/27/2009 9:25:00 AM

FHRPRU001351

Prairie Analytical Systems, Inc.

Date: *01-May-09*

CLIENT:	Flint Hills Resources	**Client Sample ID:**	Soil from MB (MB-02)
Lab Order:	0904236	**Collection Date:**	4/20/2009 8:55:00 AM
Project:	MB Soil Excavation		
Lab ID:	0904236-002	**Matrix:**	SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS ANALYSIS		**SW6020**		**(SW3050B)**		Analyst: **JTC**
Arsenic	6.63	0.516		mg/Kg-dry	2	4/26/2009 2:33:00 AM
Barium	21.0	0.516		mg/Kg-dry	2	4/26/2009 2:33:00 AM
Cadmium	5.15	0.516		mg/Kg-dry	2	4/26/2009 2:33:00 AM
Chromium	10.2	0.516		mg/Kg-dry	2	4/26/2009 2:33:00 AM
Lead	89.9	0.516		mg/Kg-dry	2	4/27/2009 10:31:00 PM
Mercury	U	0.103		mg/Kg-dry	2	4/27/2009 10:31:00 PM
Molybdenum	5.34	0.516		mg/Kg-dry	2	4/26/2009 2:33:00 AM
Selenium	0.624	0.516		mg/Kg-dry	2	4/26/2009 2:33:00 AM
Silver	U	0.516		mg/Kg-dry	2	4/26/2009 2:33:00 AM
Zinc	1170	10.3		mg/Kg-dry	20	4/27/2009 10:06:00 PM
TCLP METALS ANALYSIS		**SW6020**		**(SW3005A)**		Analyst: **JTC**
Arsenic	U	0.0050		mg/L	1	5/1/2009 12:41:00 PM
Barium	0.259	0.0050		mg/L	1	5/1/2009 12:41:00 PM
Cadmium	0.0874	0.0010		mg/L	1	5/1/2009 12:41:00 PM
Chromium	U	0.0050		mg/L	1	5/1/2009 12:41:00 PM
Lead	0.0968	0.0050		mg/L	1	5/1/2009 12:41:00 PM
Mercury	U	0.0002		mg/L	1	5/1/2009 12:41:00 PM
Selenium	U	0.0050		mg/L	1	5/1/2009 12:41:00 PM
Silver	U	0.0050		mg/L	1	5/1/2009 12:41:00 PM
PERCENT MOISTURE ANALYSIS		**D2216**				Analyst: **RMN**
Percent Moisture	4.58	0.01		wt%	1	4/27/2009 9:25:00 AM

FHRPRU001352

Qualifiers :

B - Analyte detected in the associated method blank.

E - Value above quantitation range.

H - Analysis performed past holding time.

HT - Sample received past holding time.

J - Analyte detected between RL and MDL.

R - RPD outside acceptance limits.

S - Spike recovery outside acceptance limits.

U - Analyte not detected (i.e. less than RL or MDL).

FHRPRU001353

Prairie Analytical Systems, Inc.

Date: *15-May-09*

CLIENT:	Flint Hills Resources	**Client Sample ID:**	Soil From MB (MB-01)
Lab Order:	0904236	**Tag Number:**	
Project:	MB Soil Excavation	**Collection Date:**	4/20/2009 8:45:00 AM
Lab ID:	0904236-001A	**Matrix:**	SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS ANALYSIS		**SW6020**		**(SW3050B)**		Analyst: **JTC**
Arsenic	32.3	0.598		mg/Kg-dry	2	4/26/2009 1:51:00 AM
Barium	153	0.598		mg/Kg-dry	2	4/26/2009 1:51:00 AM
Cadmium	61.5	0.598		mg/Kg-dry	2	4/26/2009 1:51:00 AM
Chromium	12.2	0.598		mg/Kg-dry	2	4/26/2009 1:51:00 AM
Lead	1430	29.8		mg/Kg-dry	100	4/26/2009 12:22:00 AM
Mercury	0.183	0.120		mg/Kg-dry	2	4/27/2009 11:23:00 PM
Molybdenum	6.34	0.598		mg/Kg-dry	2	4/26/2009 1:51:00 AM
Selenium	2.54	0.598		mg/Kg-dry	2	4/26/2009 1:51:00 AM
Silver	3.69	0.598		mg/Kg-dry	2	4/26/2009 1:51:00 AM
Zinc	54000	298		mg/Kg-dry	500	4/26/2009 12:48:00 AM
TCLP METALS ANALYSIS		**SW6020**		**(SW3005A)**		Analyst: **JTC**
Arsenic	U	0.0050		mg/L	1	5/1/2009 12:14:00 PM
Barium	0.128	0.0050		mg/L	1	5/1/2009 12:14:00 PM
Cadmium	0.595	0.0010		mg/L	1	5/1/2009 12:14:00 PM
Chromium	U	0.0050		mg/L	1	5/1/2009 12:14:00 PM
Lead	0.781	0.0050		mg/L	1	5/1/2009 12:14:00 PM
Mercury	U	0.0002		mg/L	1	5/1/2009 12:14:00 PM
Selenium	U	0.0050		mg/L	1	5/1/2009 12:14:00 PM
Silver	U	0.0050		mg/L	1	5/1/2009 12:14:00 PM
PERCENT MOISTURE ANALYSIS		**D2216**				Analyst: **RMN**
Percent Moisture	18.9	0.01		wt%	1	4/27/2009 9:25:00 AM

FHRPRU001354

Prairie Analytical Systems, Inc.

Date: *15-May-09*

CLIENT:	Flint Hills Resources	**Client Sample ID:**	MB (MB-01) Reanalysis
Lab Order:	0904236	**Tag Number:**	
Project:	MB Soil Excavation	**Collection Date:**	
Lab ID:	0904236-001B	**Matrix:**	SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS ANALYSIS		**SW6020**		**(SW3050B)**		Analyst: **JTC**
Cadmium	39.7	0.424		mg/Kg-dry	2	5/14/2009 2:22:00 PM
Lead	1620	4.24		mg/Kg-dry	20	5/14/2009 1:39:00 PM
Mercury	0.139	0.0847		mg/Kg-dry	2	5/14/2009 2:22:00 PM
TCLP METALS ANALYSIS		**SW6020**		**(SW3005A)**		Analyst: **JTC**
Cadmium	1.45	0.0010		mg/L	1	5/13/2009 5:28:00 PM
Lead	3.31	0.0050		mg/L	1	5/13/2009 5:28:00 PM
Mercury	U	0.0002		mg/L	1	5/13/2009 5:28:00 PM
PERCENT MOISTURE ANALYSIS		**D2216**				Analyst: **RMN**
Percent Moisture	18.9	0.01		wt%	1	4/27/2009 9:25:00 AM

Prairie Analytical Systems, Inc.

Date: *15-May-09*

CLIENT:	Flint Hills Resources	**Client Sample ID:**	Soil from MB (MB-02)
Lab Order:	0904236	**Tag Number:**	
Project:	MB Soil Excavation	**Collection Date:**	4/20/2009 8:55:00 AM
Lab ID:	0904236-002A	**Matrix:**	SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS ANALYSIS		**SW6020**		**(SW3050B)**		Analyst: **JTC**
Arsenic	6.63	0.516		mg/Kg-dry	2	4/26/2009 2:33:00 AM
Barium	21.0	0.516		mg/Kg-dry	2	4/26/2009 2:33:00 AM
Cadmium	5.15	0.516		mg/Kg-dry	2	4/26/2009 2:33:00 AM
Chromium	10.2	0.516		mg/Kg-dry	2	4/26/2009 2:33:00 AM
Lead	89.9	0.516		mg/Kg-dry	2	4/27/2009 10:31:00 PM
Mercury	U	0.103		mg/Kg-dry	2	4/27/2009 10:31:00 PM
Molybdenum	5.34	0.516		mg/Kg-dry	2	4/26/2009 2:33:00 AM
Selenium	0.624	0.516		mg/Kg-dry	2	4/26/2009 2:33:00 AM
Silver	U	0.516		mg/Kg-dry	2	4/26/2009 2:33:00 AM
Zinc	1170	10.3		mg/Kg-dry	20	4/27/2009 10:06:00 PM
TCLP METALS ANALYSIS		**SW6020**		**(SW3005A)**		Analyst: **JTC**
Arsenic	U	0.0050		mg/L	1	5/1/2009 12:41:00 PM
Barium	0.259	0.0050		mg/L	1	5/1/2009 12:41:00 PM
Cadmium	0.0874	0.0010		mg/L	1	5/1/2009 12:41:00 PM
Chromium	U	0.0050		mg/L	1	5/1/2009 12:41:00 PM
Lead	0.0968	0.0050		mg/L	1	5/1/2009 12:41:00 PM
Mercury	U	0.0002		mg/L	1	5/1/2009 12:41:00 PM
Selenium	U	0.0050		mg/L	1	5/1/2009 12:41:00 PM
Silver	U	0.0050		mg/L	1	5/1/2009 12:41:00 PM
PERCENT MOISTURE ANALYSIS		**D2216**				Analyst: **RMN**
Percent Moisture	4.58	0.01		wt%	1	4/27/2009 9:25:00 AM

Prairie Analytical Systems, Inc.

Date: *15-May-09*

CLIENT:	Flint Hills Resources	**Client Sample ID:**	MB (MB-02) Reanalysis
Lab Order:	0904236	**Tag Number:**	
Project:	MB Soil Excavation	**Collection Date:**	
Lab ID:	0904236-002B	**Matrix:**	SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS ANALYSIS		**SW6020**		**(SW3050B)**		Analyst: **JTC**
Cadmium	2.79	0.482		mg/Kg-dry	2	5/14/2009 2:30:00 PM
Lead	158	0.482		mg/Kg-dry	2	5/14/2009 2:30:00 PM
Mercury	U	0.0964		mg/Kg-dry	2	5/14/2009 2:30:00 PM
TCLP METALS ANALYSIS		**SW6020**		**(SW3005A)**		Analyst: **JTC**
Cadmium	0.0962	0.0010		mg/L	1	5/13/2009 5:37:00 PM
Lead	1.39	0.0050		mg/L	1	5/13/2009 5:37:00 PM
Mercury	U	0.0002		mg/L	1	5/13/2009 5:37:00 PM
PERCENT MOISTURE ANALYSIS		**D2216**				Analyst: **RMN**
Percent Moisture	4.58	0.01		wt%	1	4/27/2009 9:25:00 AM

Qualifiers :

B - Analyte detected in the associated method blank.

E - Value above quantitation range.

H - Analysis performed past holding time.

HT - Sample received past holding time.

J - Analyte detected between RL and MDL.

R - RPD outside acceptance limits.

S - Spike recovery outside acceptance limits.

U - Analyte not detected (i.e. less than RL or MDL).

ILLINOIS Environmental Protection Agency
2009 Hazardous Waste Report
Form GM -- Generation and Management

US EPA ID: **ILD087154555** IL. EPA ID: **0990850005**

SECTION 1. WASTE DESCRIPTION

A. Waste Description **CONTAMINATED CONCRETE & ASPHALT**

B. EPA Hazardous Waste Code(s): **D006** **D008** _____ _____ _____

C. Source Code: **G19** Management Method: _____

D. Form Code: **W319** Waste Minimization Code Y

SECTION 2. QUANTITY GENERATED

A. UOM: **3. Pounds (lbs)** Density: **19.20** lb/gal.

B. Quantity Generated in Current reporting year: **71,600.0**

SECTION 3. QUANTITY MANAGED ON-SITE:

Did this location manage some or all of this waste in RCRA or UIC regulated treatment, recycling, or disposal units at this location? (DO NOT include RCRA exempt processes.) **N**

On-Site System 1: Management Method: _____ Quantity managed on-site this year: **0.0**

On-Site System 2: Management Method: _____ Quantity managed on-site this year: **0.0**

SECTION 4. OFF-SITE SHIPMENT

A. Was any of this waste shipped off site this reporting year? **Y**

SITE 1.

B. U.S. EPA ID No. of facility waste was shipped to: **IND093219012**

C. Management method shipped to: **H129**

D. Total quantity shipped in this reporting year: **71,600.00**

SITE 2.

B. U.S. EPA ID No. of facility waste was shipped to: _____

C. Management method shipped to: _____

D. Total quantity shipped in this reporting year: **0.00**

SITE 3.

B. U.S. EPA ID No. of facility waste was shipped to: _____

C. Management method shipped to: _____

D. Total quantity shipped in this reporting year: **0.00**

SITE 4.

B. U.S. EPA ID No. of facility waste was shipped to: _____

C. Management method shipped to: _____

D. Total quantity shipped in this reporting year: **0.00**

SITE 5.

B. U.S. EPA ID No. of facility waste was shipped to: _____

C. Management method shipped to: _____

D. Total quantity shipped in this reporting year: **0.00**

COMMENTS: **Y**

ILLINOIS Environmental Protection Agency
2009 Hazardous Waste Report
Form GM -- Generation and Management

US EPA ID: **ILD087154555** IL. EPA ID: **0990850005**

SECTION 1. WASTE DESCRIPTION

A. Waste Description **CONTAMINATED SOIL**

B. EPA Hazardous Waste Code(s): **D006** **D008** _____ _____ _____

C. Source Code: **G19** Management Method: _____

D. Form Code: **W301** Waste Minimization Code **Y**

SECTION 2. QUANTITY GENERATED

A. UOM: **3. Pounds (lbs)** Density: **11.90** lb/gal.

B. Quantity Generated in Current reporting year: **54,334.0**

SECTION 3. QUANTITY MANAGED ON-SITE:

Did this location manage some or all of this waste in RCRA or UIC regulated treatment, recycling, or disposal units at this location? (DO NOT include RCRA exempt processes.) **N**

On-Site System 1: Management Method: _____ Quantity managed on-site this year: **0.0**

On-Site System 2: Management Method: _____ Quantity managed on-site this year: **0.0**

SECTION 4. OFF-SITE SHIPMENT

A. Was any of this waste shipped off site this reporting year? **Y**

SITE 1.

B. U.S. EPA ID No. of facility waste was shipped to: **IND000646943**

C. Management method shipped to: **H141**

D. Total quantity shipped in this reporting year: **254.00**

SITE 2.

B. U.S. EPA ID No. of facility waste was shipped to: **IND093219012**

C. Management method shipped to: **H111**

D. Total quantity shipped in this reporting year: **54,080.00**

SITE 3.

B. U.S. EPA ID No. of facility waste was shipped to: _____

C. Management method shipped to: _____

D. Total quantity shipped in this reporting year: **0.00**

SITE 4.

B. U.S. EPA ID No. of facility waste was shipped to: _____

C. Management method shipped to: _____

D. Total quantity shipped in this reporting year: **0.00**

SITE 5.

B. U.S. EPA ID No. of facility waste was shipped to: _____

C. Management method shipped to: _____

D. Total quantity shipped in this reporting year: **0.00**

COMMENTS: **Y**

Tuesday, June 9, 2009

Jim Alvarez

LFR Levine Fricke - IN
602 North Capitol Avenue
Indianapolis, IN 46204

TEL: (317) 632-0520

FAX: (317) 632-1253

RE: Flint Hills Resources (FHR) Peru, IL PAS WO: 09F0004

Prairie Analytical Systems, Inc. received 8 sample(s) on 5/30/2009 for the analyses presented in the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

This report shall not be reproduced, except in full, without the prior written consent of Prairie Analytical Systems, Inc.

If you have any questions, please feel free to contact me at (217) 753-1148.

Respectfully submitted,

Kristen A. Potter
Project Manager

Certifications: NELAP/NELAC - # 100323

LABORATORY RESULTS

Client: LFR Levine Fricke - IN
Project: Flint Hills Resources (FHR) Peru, IL **Lab Order:** 09F0004
Client Sample ID: SB-1 **Lab ID:** 09F0004-01
Collection Date: 5/29/09 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
***Cadmium**	**63.5**	0.508		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:05	SW 6020A	MCL
***Lead**	**6110**	25.4		mg/Kg dry	100	6/2/09 14:30	6/5/09 2:38	SW 6020A	MCL
***Mercury**	**0.178**	0.102		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:05	SW 6020A	MCL
***Molybdenum**	**2.67**	0.508		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:05	SW 6020A	MCL
TCLP Metals by ICP-MS									
***Cadmium**	**1.27**	0.00200		mg/L	1	6/2/09 17:05	6/3/09 9:41	SW 6020A	MCL
***Lead**	**69.4**	0.500		mg/L	100	6/2/09 17:05	6/5/09 18:17	SW 6020A	MCL
*Mercury	U	0.000200		mg/L	1	6/2/09 17:05	6/3/09 9:41	SW 6020A	MCL
Conventional Chemistry Parameters									
Percent Solids	**83.1**	0.0100		%	1	6/4/09 9:45	6/5/09 10:10	ASTM D2216	AJD

LABORATORY RESULTS

Client: LFR Levine Fricke - IN
Project: Flint Hills Resources (FHR) Peru, IL **Lab Order:** 09F0004
Client Sample ID: SB-2 **Lab ID:** 09F0004-02
Collection Date: 5/29/09 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
***Cadmium**	**75.3**	0.452		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:13	SW 6020A	MCL
***Lead**	**5850**	22.6		mg/Kg dry	100	6/2/09 14:30	6/5/09 2:46	SW 6020A	MCL
***Mercury**	**0.199**	0.0904		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:13	SW 6020A	MCL
***Molybdenum**	**2.58**	0.452		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:13	SW 6020A	MCL
TCLP Metals by ICP-MS									
***Cadmium**	**0.855**	0.00200		mg/L	1	6/2/09 17:05	6/3/09 9:50	SW 6020A	MCL
***Lead**	**170**	0.500		mg/L	100	6/2/09 17:05	6/5/09 18:26	SW 6020A	MCL
*Mercury	U	0.000200		mg/L	1	6/2/09 17:05	6/3/09 9:50	SW 6020A	MCL
Conventional Chemistry Parameters									
Percent Solids	**84.4**	0.0100		%	1	6/4/09 9:45	6/5/09 10:10	ASTM D2216	AJD

LABORATORY RESULTS

Client: LFR Levine Fricke - IN
Project: Flint Hills Resources (FHR) Peru, IL **Lab Order:** 09F0004
Client Sample ID: SB-3 **Lab ID:** 09F0004-03
Collection Date: 5/29/09 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
***Cadmium**	**74.2**	0.393		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:21	SW 6020A	MCL
***Lead**	**7290**	19.7		mg/Kg dry	100	6/2/09 14:30	6/5/09 2:54	SW 6020A	MCL
***Mercury**	**0.616**	0.0787		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:21	SW 6020A	MCL
***Molybdenum**	**3.49**	0.393		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:21	SW 6020A	MCL
TCLP Metals by ICP-MS									
***Cadmium**	**1.12**	0.00200		mg/L	1	6/2/09 17:05	6/3/09 9:58	SW 6020A	MCL
***Lead**	**130**	0.500		mg/L	100	6/2/09 17:05	6/5/09 18:34	SW 6020A	MCL
*Mercury	U	0.000200		mg/L	1	6/2/09 17:05	6/3/09 9:58	SW 6020A	MCL
Conventional Chemistry Parameters									
Percent Solids	**86.0**	0.0100		%	1	6/4/09 9:45	6/5/09 10:10	ASTM D2216	AJD

LABORATORY RESULTS

Client: LFR Levine Fricke - IN
Project: Flint Hills Resources (FHR) Peru, IL **Lab Order:** 09F0004
Client Sample ID: SB-4 **Lab ID:** 09F0004-04
Collection Date: 5/29/09 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
***Cadmium**	**82.7**	0.410		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:29	SW 6020A	MCL
***Lead**	**5550**	20.5		mg/Kg dry	100	6/2/09 14:30	6/5/09 3:02	SW 6020A	MCL
***Mercury**	**0.228**	0.0819		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:29	SW 6020A	MCL
***Molybdenum**	**3.99**	0.410		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:29	SW 6020A	MCL
TCLP Metals by ICP-MS									
***Cadmium**	**1.16**	0.00200		mg/L	1	6/2/09 17:05	6/3/09 10:07	SW 6020A	MCL
***Lead**	**92.1**	0.500		mg/L	100	6/2/09 17:05	6/5/09 18:42	SW 6020A	MCL
*Mercury	U	0.000200		mg/L	1	6/2/09 17:05	6/3/09 10:07	SW 6020A	MCL
Conventional Chemistry Parameters									
Percent Solids	**82.6**	0.0100		%	1	6/4/09 9:45	6/5/09 10:10	ASTM D2216	AJD

LABORATORY RESULTS

Client: LFR Levine Fricke - IN
Project: Flint Hills Resources (FHR) Peru, IL **Lab Order:** 09F0004
Client Sample ID: SB-5 **Lab ID:** 09F0004-05
Collection Date: 5/29/09 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
***Cadmium**	**36.2**	0.507		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:37	SW 6020A	MCL
***Lead**	**2780**	25.3		mg/Kg dry	100	6/2/09 14:30	6/5/09 3:10	SW 6020A	MCL
***Mercury**	**0.189**	0.101		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:37	SW 6020A	MCL
***Molybdenum**	**9.58**	0.507		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:37	SW 6020A	MCL
TCLP Metals by ICP-MS									
***Cadmium**	**0.917**	0.00200		mg/L	1	6/2/09 17:05	6/3/09 10:15	SW 6020A	MCL
***Lead**	**7.14**	0.00500		mg/L	1	6/2/09 17:05	6/5/09 18:51	SW 6020A	MCL
*Mercury	U	0.000200		mg/L	1	6/2/09 17:05	6/3/09 10:15	SW 6020A	MCL
Conventional Chemistry Parameters									
Percent Solids	**84.8**	0.0100		%	1	6/4/09 9:45	6/5/09 10:10	ASTM D2216	AJD

LABORATORY RESULTS

Client: LFR Levine Fricke - IN
Project: Flint Hills Resources (FHR) Peru, IL **Lab Order:** 09F0004
Client Sample ID: SB-6 **Lab ID:** 09F0004-06
Collection Date: 5/29/09 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
***Cadmium**	**39.1**	0.533		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:45	SW 6020A	MCL
***Lead**	**949**	26.7		mg/Kg dry	100	6/2/09 14:30	6/5/09 3:19	SW 6020A	MCL
*Mercury	U	0.0853		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:45	SW 6020A	MCL
***Molybdenum**	**3.60**	0.533		mg/Kg dry	2	6/2/09 14:30	6/5/09 5:45	SW 6020A	MCL
TCLP Metals by ICP-MS									
***Cadmium**	**0.821**	0.00200		mg/L	1	6/2/09 17:05	6/3/09 10:23	SW 6020A	MCL
***Lead**	**2.68**	0.00500		mg/L	1	6/2/09 17:05	6/5/09 18:59	SW 6020A	MCL
*Mercury	U	0.000200		mg/L	1	6/2/09 17:05	6/3/09 10:23	SW 6020A	MCL
Conventional Chemistry Parameters									
Percent Solids	**88.4**	0.0100		%	1	6/4/09 9:45	6/5/09 10:10	ASTM D2216	AJD

LABORATORY RESULTS

Client: LFR Levine Fricke - IN
Project: Flint Hills Resources (FHR) Peru, IL **Lab Order:** 09F0004
Client Sample ID: SB-7 **Lab ID:** 09F0004-07
Collection Date: 5/29/09 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
***Cadmium**	**91.4**	0.556		mg/Kg dry	2	6/2/09 14:30	6/5/09 3:43	SW 6020A	MCL
***Lead**	**190**	0.556		mg/Kg dry	2	6/2/09 14:30	6/5/09 3:43	SW 6020A	MCL
*Mercury	U	0.0890		mg/Kg dry	2	6/2/09 14:30	6/5/09 3:43	SW 6020A	MCL
***Molybdenum**	**4.47**	0.556		mg/Kg dry	2	6/2/09 14:30	6/5/09 3:43	SW 6020A	MCL
TCLP Metals by ICP-MS									
***Cadmium**	**1.29**	0.00200		mg/L	1	6/2/09 17:05	6/3/09 10:32	SW 6020A	MCL
***Lead**	**0.205**	0.00500		mg/L	1	6/2/09 17:05	6/5/09 19:07	SW 6020A	MCL
*Mercury	U	0.000200		mg/L	1	6/2/09 17:05	6/3/09 10:32	SW 6020A	MCL
Conventional Chemistry Parameters									
Percent Solids	**87.5**	0.0100		%	1	6/4/09 9:45	6/5/09 10:10	ASTM D2216	AJD

LABORATORY RESULTS

Client: LFR Levine Fricke - IN
Project: Flint Hills Resources (FHR) Peru, IL **Lab Order:** 09F0004
Client Sample ID: SB-8 **Lab ID:** 09F0004-08
Collection Date: 5/29/09 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
***Cadmium**	**36.8**	0.467		mg/Kg dry	2	6/2/09 14:30	6/5/09 4:16	SW 6020A	MCL
***Lead**	**43.9**	0.467		mg/Kg dry	2	6/2/09 14:30	6/5/09 4:16	SW 6020A	MCL
*Mercury	U	0.0934		mg/Kg dry	2	6/2/09 14:30	6/5/09 4:16	SW 6020A	MCL
***Molybdenum**	**3.65**	0.467		mg/Kg dry	2	6/2/09 14:30	6/5/09 4:16	SW 6020A	MCL
TCLP Metals by ICP-MS									
***Cadmium**	**0.443**	0.00200		mg/L	1	6/2/09 17:05	6/3/09 10:40	SW 6020A	MCL
***Lead**	**0.0106**	0.00500		mg/L	1	6/2/09 17:05	6/5/09 19:16	SW 6020A	MCL
*Mercury	U	0.000200		mg/L	1	6/2/09 17:05	6/3/09 10:40	SW 6020A	MCL
Conventional Chemistry Parameters									
Percent Solids	**93.8**	0.0100		%	1	6/4/09 9:45	6/5/09 10:10	ASTM D2216	AJD

LABORATORY RESULTS

Client: LFR Levine Fricke - IN
Project: Flint Hills Resources (FHR) Peru, IL **Lab Order:** 09F0004

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S000687 - SW 3050B Metals										
Blank (S000687-BLK1)				Prepared: 06/02/2009 Analyzed: 06/04/2009						
Cadmium	U	0.250	mg/Kg wet							
Lead	U	0.250	mg/Kg wet							
Mercury	U	0.0500	mg/Kg wet							
Molybdenum	U	0.250	mg/Kg wet							
LCS (S000687-BS1)				Prepared: 06/02/2009 Analyzed: 06/04/2009						
Cadmium	20.0	0.250	mg/Kg wet	25.000		80	80-120			
Lead	22.1	0.250	mg/Kg wet	25.000		89	80-120			
Mercury	0.878	0.0500	mg/Kg wet	1.0000		88	80-120			
Molybdenum	25.1	0.250	mg/Kg wet	25.000		101	80-120			
Duplicate (S000687-DUP1)		**Source: 09E0487-01**		Prepared: 06/02/2009 Analyzed: 06/05/2009						
Cadmium	1.52	1.66	mg/Kg dry		1.46			3	20	
Lead	19.9	1.66	mg/Kg dry		20.2			1	20	
Mercury	1.20	0.332	mg/Kg dry		1.37			13	20	
Molybdenum	11.4	1.66	mg/Kg dry		10.5			8	20	
Duplicate (S000687-DUP2)		**Source: 09E0487-02**		Prepared: 06/02/2009 Analyzed: 06/05/2009						
Cadmium	0.788	2.25	mg/Kg dry		0.767			3	20	
Lead	36.5	2.25	mg/Kg dry		38.3			5	20	
Mercury	1.72	0.449	mg/Kg dry		1.76			2	20	
Molybdenum	5.17	2.25	mg/Kg dry		5.42			5	20	
Matrix Spike (S000687-MS1)		**Source: 09E0487-01**		Prepared: 06/02/2009 Analyzed: 06/05/2009						
Cadmium	88.8	1.69	mg/Kg dry	84.412	1.46	104	75-125			
Lead	113	1.69	mg/Kg dry	84.412	20.2	110	75-125			
Mercury	4.33	0.338	mg/Kg dry	3.3765	1.37	88	75-125			
Molybdenum	118	1.69	mg/Kg dry	84.412	10.5	128	75-125			

LABORATORY RESULTS

Client: LFR Levine Fricke - IN
Project: Flint Hills Resources (FHR) Peru, IL **Lab Order:** 09F0004

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S000687 - SW 3050B Metals										
Matrix Spike Dup (S000687-MSD1)		**Source: 09E0487-01**		Prepared: 06/02/2009 Analyzed: 06/05/2009						
Cadmium	94.4	1.69	mg/Kg dry	84.580	1.46	110	75-125	6	20	
Lead	120	1.69	mg/Kg dry	84.580	20.2	118	75-125	7	20	
Mercury	5.01	0.338	mg/Kg dry	3.3832	1.37	108	75-125	15	20	
Molybdenum	127	1.69	mg/Kg dry	84.580	10.5	138	75-125	7	20	

LABORATORY RESULTS

Client: LFR Levine Fricke - IN
Project: Flint Hills Resources (FHR) Peru, IL **Lab Order:** 09F0004

TCLP Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S000688 - SW 3005A Metals										
Blank (S000688-BLK1)				Prepared: 06/02/2009 Analyzed: 06/03/2009						
Cadmium	U	0.00200	mg/L							
Lead	U	0.00500	mg/L							
Mercury	U	0.000200	mg/L							
Blank (S000688-BLK2)				Prepared: 06/02/2009 Analyzed: 06/03/2009						
Cadmium	U	0.00200	mg/L							
Lead	U	0.00500	mg/L							
Mercury	U	0.000500	mg/L							
LCS (S000688-BS1)				Prepared: 06/02/2009 Analyzed: 06/03/2009						
Cadmium	0.481	0.00200	mg/L	0.50000		96	80-120			
Lead	0.490	0.00500	mg/L	0.50000		98	80-120			
Mercury	0.0182	0.000200	mg/L	0.020000		91	80-120			
Matrix Spike (S000688-MS1)		**Source: 09F0029-01**		Prepared: 06/02/2009 Analyzed: 06/03/2009						
Cadmium	0.470	0.00200	mg/L	0.50000	ND	94	75-125			
Lead	0.454	0.00500	mg/L	0.50000	ND	91	75-125			
Mercury	0.0158	0.000200	mg/L	0.020000	0.0000690	79	75-125			
Matrix Spike (S000688-MS2)		**Source: 09E0268-01**		Prepared: 06/02/2009 Analyzed: 06/03/2009						
Cadmium	0.407	0.00200	mg/L	0.50000	0.0129	79	75-125			
Lead	0.401	0.00500	mg/L	0.50000	0.0171	77	75-125			
Mercury	0.0188	0.000200	mg/L	0.020000	0.000112	94	75-125			
Matrix Spike Dup (S000688-MSD1)		**Source: 09F0029-01**		Prepared: 06/02/2009 Analyzed: 06/03/2009						
Cadmium	0.465	0.00200	mg/L	0.50000	ND	93	75-125	1	20	
Lead	0.451	0.00500	mg/L	0.50000	ND	90	75-125	0.6	20	
Mercury	0.0169	0.000200	mg/L	0.020000	0.0000690	84	75-125	7	20	

LABORATORY RESULTS

Client: LFR Levine Fricke - IN
Project: Flint Hills Resources (FHR) Peru, IL **Lab Order:** 09F0004

Conventional Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S000761 - ASTM D2216 Moisture										
Blank (S000761-BLK1)				Prepared: 06/04/2009 Analyzed: 06/05/2009						
Percent Solids	U	0.0100	%							
Duplicate (S000761-DUP1)		**Source: 09E0525-14**		Prepared: 06/04/2009 Analyzed: 06/05/2009						
Percent Solids	81.8	0.0100	%		86.8			6	20	

LABORATORY RESULTS

Client: LFR Levine Fricke - IN
Project: Flint Hills Resources (FHR) Peru, IL **Lab Order:** 09F0004

Notes and Definitions

*	NELAC certified compound.
U	Analyte not detected (i.e. less than RL or MDL).

Chain of Custody Record

Central IL- 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152
Chicago Office - PO Box 2116 - Crystal Lake, IL 60039-2116 - Phone (847) 651-2604 - Facsimile (847) 458-9680
www.prairieanalytical.com

Prairie Analytical Systems, INCORPORATED

Client	LFR
Address	602 N. Capitol Ave.
City, State Zip Code	Indianapolis, IN 46204
Phone / Facsimile No.	317-850-8009 / 317-632-1253
Client Project	Flint Hills Resources (FHR)
Location	Peru, IL
Sampler(s) / Phone	Morgan L. Vogt / 630-945-0426
Turnaround Time	Standard [X] Rush [ ] Date Required:
P.O. # or Invoice To	above address + Jim Alvarez
Contact Person	Jim Alvarez James.Alvarez@elfr.com

Analysis and/or method Requested: TCLP-Pb, Hg, Cd* | Total - Pb, Hg, Cd, Mdy

Reporting: TACO ____ Resid ____ Ind/Comm; CALM __ A __ B __ C; RISC ____ Resid ____ Indust

Sample Description	Sampling Date	Sampling Time	Matrix Code[1]	Total # of Containers	Sample Comp	Sample Grab	TCLP-Pb, Hg, Cd*	Total - Pb, Hg, Cd, Mdy	Laboratory Comments
SB-1	5-29-09		S	1	X		X	X	
SB-2									
SB-3									
SB-4									
SB-5									
SB-6									
SB-7									
SB-8									

[1] M = Matrix Code: A - Aqueous; DW - Drinking Water; GW - Groundwater; NA - Non-aqueous Liquid; S - Solids; O - Other (Specify)

Relinquished By	Date	Time	Received By	Date	Time	Method of Shipment
[illegible]	5-29-09	1350	[illegible]	5/29/09	2:15 pm	Delivered
[illegible]	5-29-09	15:45	Fed [illegible] Moore	5/29/09	15:45	
			[illegible]	5/30/09	10:30am	~~FedEx~~

Special Instructions: To Tier 1 standards

Q/C Level 1__ 2__ 3__ 4__

On Wet Ice (Y) / N

Proper Preservation (Y) / N

Temperature (°C) 1.8°C

Page _____ of _____

Copies: White - Client Yellow - PAS, Inc. Pink - Sampler