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**MONITORING
REPORTS
YEAR(S):**

____2012____

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January 11, 2013

Mr. Brad Jones
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87504

**Re: Centralized Surface Waste Management Facility NM-02-0021
2012 Operations and Monitoring Report
John H. Hendrix Corporation
Section 15, Township 24 South, Range 36 East, Lea County, New Mexico**

Dear Mr. Jones:

Trident Environmental, as agent for John H. Hendrix Corporation (JHHC), submits this report to the New Mexico Oil Conservation Division (OCD) for centralized surface waste management facility NM-02-0021 (facility). This report presents the operations, maintenance and monitoring results for soil and groundwater samples collected during calendar year 2012, and includes historical background information. The facility occupies approximately 200 acres in Section 15, Township 24 South, Range 36 East, Lea County, New Mexico as shown in Figure 1.

Operation Background

OCD issued permit number NM-02-0021 to JHHC on November 29, 2004 to construct and operate a centralized surface waste management facility for treating non-hazardous petroleum hydrocarbon-impacted soil resulting from spills, releases and pits from JHHC oil and gas operations.

The facility consists of twelve main cells, numbered 1 through 12. Each 12 acre cell measures approximately 400 ft (north-south) by 1450 ft (east-west) as depicted in Figure 2. The main cells are subdivided into three sub-cells, lettered A, B, and C, each measuring approximately 400 ft x 480 ft (4.40 acres). Cells 1A, 1B, and 1C are closed, and cells 10C, 11A, 11B, 11C, 12A, 12B, and 12C have reached capacity. Cell 10B has not received imported soil since October 2009. Cells 10B, 10C, 11A, 11B, 11C, 12A, 12B, and 12C have been tilled once every two weeks (biweekly).

Transportation of soils to the landfarm has not occurred since October 2009. Transport dates and total volumes for referenced cells since landfarm operations began are summarized below.

Transport Dates and Volumes

Cell	Transportation of Soils		Total Volume (yd ³)
	Began	Ended	
12	03/01/2005	12/12/2006	14,887
1	06/13/2006	02/20/2007	11,116
11	09/17/2007	05/30/2008	26,047
10	06/02/2008	10/22/2009	8,981
Total			61,391

Sampling Procedures

Soil samples are collected from the active cells according to a semi-annual (twice yearly) schedule approved by the OCD in the permit modification on January 4, 2006. During each event of the 2012 reporting period, soil samples were collected using a decontaminated hand auger, placed in pre-cleaned 4-ounce jars, properly labeled, and placed in an ice-filled cooler. During each sampling event, a backhoe was utilized to clear the first 12-18 inches of treatment zone soils to minimize chances of cross-contamination prior to advancing the hand auger. Sample locations were recorded using a handheld global positioning device as shown in Figures 2 and 3. The auger holes were backfilled with bentonite and hydrated with potable water. Samples were hand-delivered under chain of custody to Cardinal Laboratories (Hobbs, NM) for analysis.

During the first 2012 semi-annual event on March 14, 2012, and the annual sampling event on October 30, 2012, samples were randomly collected at cells 1A, 1B, 1C, 10B, 10C, 11A, 11B, 11C, 12A, 12B, and 12C within the treatment zone (approximately 1 ft below the surface) and the vadose zone (approximately 3 ft below the surface). The treatment zone samples were analyzed for BTEX, TPH, and chloride, while the vadose zone samples were analyzed for BTEX, TPH, metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, iron, copper, manganese, and zinc) and major ions (total alkalinity, bicarbonate, calcium, magnesium, potassium, sodium, chloride and sulfate).

Soil Analytical Results

The complete historical summary of analytical results for the background, treatment zone, and vadose zone samples are listed in Tables 1 (BTEX, TPH, and chloride), Table 2 (metals), and Table 3 (major ions). Laboratory analytical reports, chains of custody, and sample locations are included in Appendix A.

At the request of NMOCD after the first sampling event in April 2010, Trident Environmental performed an assessment of the potential occurrence of downward migration (exceedence of

background conditions) of constituents of concern (COCs) into the vadose zone at the JHHC landfarm. The *Vadose Zone Monitoring Report* was submitted to NMOCD on October 11, 2010, and provided detailed explanations of the comparisons, analyses, and conclusions made. Based on the findings of the vadose zone monitoring assessment and subsequent analytical results, there is no indication of COCs migrating downward to the vadose zone. Activities and operations conducted at the JHHC landfarm are protective of public health, safety and the environment.

Treatment (Tilled) Zone Samples

The treatment zone sample results are compared to target remediation levels established in the permit (10 mg/kg for benzene, 50 mg/kg for BTEX, 100 mg/kg for TPH, and 1,000 mg/kg for chloride).

As summarized in Table 1, benzene and BTEX concentrations in the treatment zone were below the method detection limits (0.05 mg/kg and 0.300 mg/kg, respectively) for all cells during each sampling event in 2012. As of the most recent sampling event, the 100 mg/kg target remediation level for TPH in the treatment zone has been met for cells 1A, 1B, 1C, 11C, 12A, 12B, and 12C, and exceeded in cells 10B (14,800 mg/kg), 10C (197 mg/kg), 11A (181 mg/kg), and 11B (1,030 mg/kg).

Vadose Zone Samples

The vadose zone sample results are compared to the background soil concentrations to evaluate potential infiltration of anthropogenic constituents of concern into the underlying native soils.

For both sampling events during 2012, benzene, BTEX and TPH concentrations in the vadose zone samples in each sampled cell are comparable to background levels and were less than the method detection limits (0.050 mg/kg, 0.300 mg/kg, and 20 mg/kg, respectively) for these constituents, which supports the conclusion that there is no migration of these constituents to underlying soils.

Chloride concentrations within the vadose zone during the most recent sampling event ranged from less than 4 mg/kg to 336 mg/kg, well below the 1,000 mg/kg permitted level, and with no evidence of downward migration. These levels are well below concentrations considered protective of groundwater which is greater than 145 ft below ground surface, particularly when considering that the average chloride concentrations in the treatment and vadose zones for all cells sampled on October 30, 2012, were less than 45.8 mg/kg and 59.2 mg/kg, respectively. In addition, chloride concentrations in the treatment zone have always been well below concentrations considered protective of groundwater.

Metal and major ion constituents within the vadose zone are consistent with background concentrations and normal variations, and there are no distinguishable trends of increasing concentrations over time. Some variability in metal and major ion concentrations is expected due to differences in soil mineralogy. In past sampling events, certain trace metal COCs

(arsenic, cadmium, chromium, lead, and silver) slightly exceeded the higher of the PQL or background screening value; however, statistical analysis and geochemical correlation plots show no indications that trace metal COCs have migrated into the vadose zone as explained in the *Vadose Zone Monitoring Report*. It is also important to note that the concentrations of the trace metal COCs in the TZ have consistently been less than the VZ values which allows no explanation for a source of metal COCs in the TZ to potentially migrate into the VZ and result in a higher concentration than that measured in the TZ. Thus, there is no evidence of anthropogenic sources for these constituents within the vadose zone.

Groundwater Conditions

The intended purpose for the groundwater monitoring well network was to establish baseline (background) conditions in 2005 prior to initiating use of the landfarm. That purpose has long since been achieved. A groundwater monitoring well network for a centralized surface waste management facility is not a requirement under past Rule 711, or under current rule 19.15.36 regulations, particularly for a site where depth to groundwater is greater than 100 ft below the bottom of the treatment cells. For reasons cited above, OCD granted administrative approval to suspend groundwater sampling via email on February 22, 2010.

Recommendations

It is submitted for NMOCD approval that further sampling and tilling of cells 1A, 1B, 1C, 11A, 11C, 12A, 12B, and 12C be discontinued. The treatment zone soils of these cells at the JHHC landfarm have been remediated such that they meet the closure performance standards specified in NMAC 19.15.36.15(F) as follows:

- (1) Benzene, as determined by EPA SW-846 method 8021B, does not exceed 0.2 mg/kg.
- (2) Total BTEX, as determined by EPA SW-846 method 8021B, does not exceed 50 mg/kg.
- (3) The GRO and DRO combined fractions (TPH), as determined by EPA SW-846 method 8015M, does not exceed 500 mg/kg.
- (4) Chloride, as determined by EPA method 4500-Cl B, does not exceed 1,000 mg/kg (the landfarm is located where ground water is more than 100 feet below the lowest elevation at which the JHHC has placed the treatment zone soils).

Soil samples will continue to be collected from the treatment and vadose zones in cells 10B, 10C, and 11B until it is confirmed that target remediation levels have been met. Tilling of the treatment zone will continue in cells 10B, 10C, and 11B to further degrade the petroleum hydrocarbons until remediation target levels are achieved. The aerial photograph depicted in Figure 4 depicts current conditions of the landfarm as of March 2012.

JHHC will continue reporting analytical results to the OCD within 45 days after receipt of the laboratory reports.

We appreciate the opportunity to work with you on this project. Please feel free to call me at 432-638-8740 or Carolyn Haynes at 432-684-6631, if you have any questions.

Sincerely,

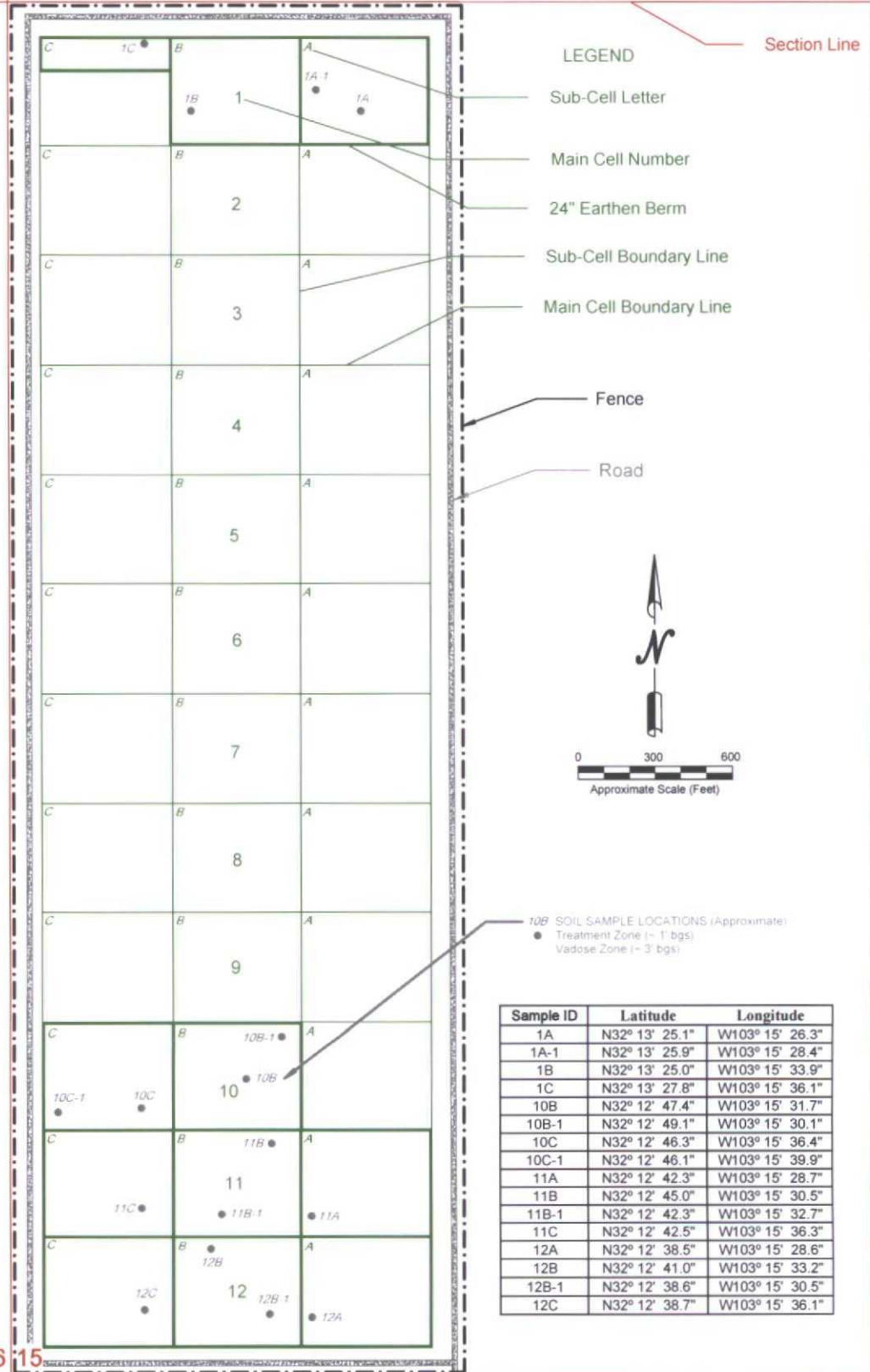
A handwritten signature in black ink, appearing to read "Gilbert J. Van Deventer". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Gilbert J. Van Deventer, REM, PG
Trident Environmental - Project Manager

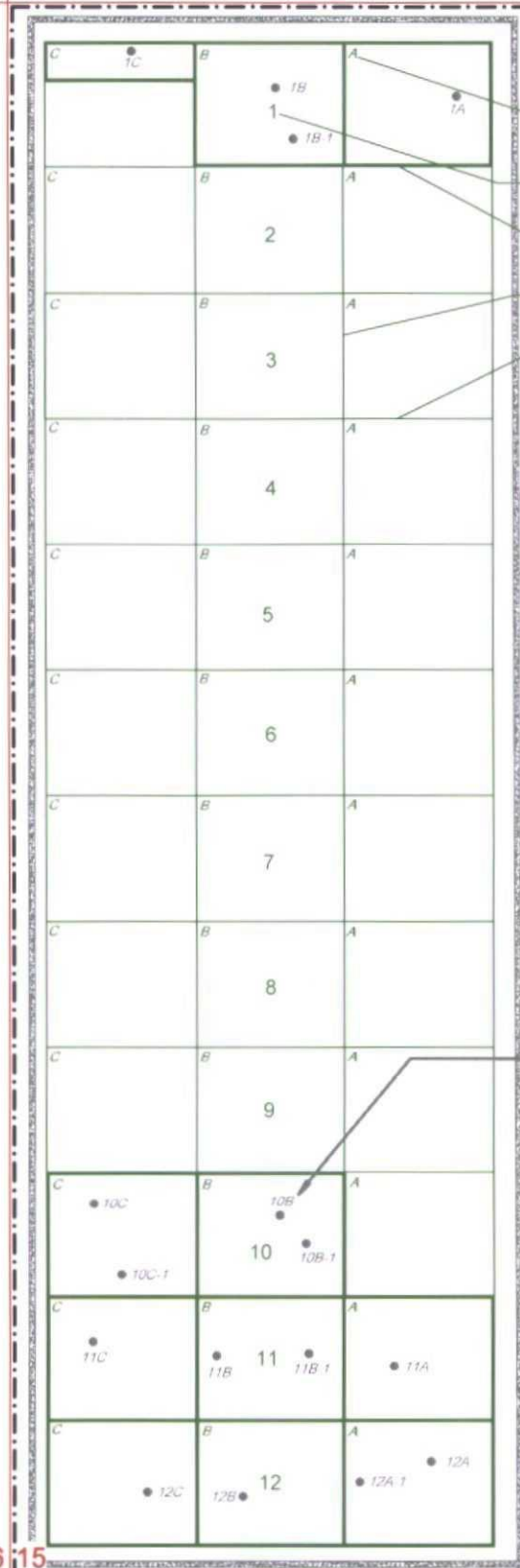
Enclosures

cc: Carolyn Haynes (JHHC)
Geoffrey Leking (OCD-District I)

FIGURES



9 | 10



LEGEND

Section Line

Sub-Cell Letter

Main Cell Number

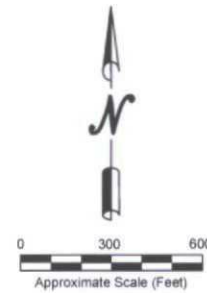
24" Earthen Berm

Sub-Cell Boundary Line

Main Cell Boundary Line

Fence

Road



10B SOIL SAMPLE LOCATIONS (Approximate):
 • Treatment Zone (~ 1' bgs)
 • Vadose Zone (~ 3' bgs)

Sample ID	Latitude	Longitude
1A	N32° 13' 26.2"	W103° 15' 24.6"
1B	N32° 13' 26.4"	W103° 15' 31.7"
1B-1	N32° 13' 24.7"	W103° 15' 31.0"
1C	N32° 13' 27.7"	W103° 15' 37.4"
10B	N32° 12' 48.2"	W103° 15' 31.8"
10B-1	N32° 12' 47.3"	W103° 15' 30.8"
10C	N32° 12' 48.5"	W103° 15' 39.0"
10C-1	N32° 12' 46.2"	W103° 15' 37.9"
11A	N32° 12' 43.3"	W103° 15' 27.3"
11B	N32° 12' 43.6"	W103° 15' 34.2"
11B-1	N32° 12' 43.7"	W103° 15' 30.6"
11C	N32° 12' 44.0"	W103° 15' 39.0"
12A	N32° 12' 40.2"	W103° 15' 25.8"
12A-1	N32° 12' 39.5"	W103° 15' 28.6"
12B	N32° 12' 39.0"	W103° 15' 33.1"
12C	N32° 12' 39.1"	W103° 15' 36.8"

16 | 15

21 | 22

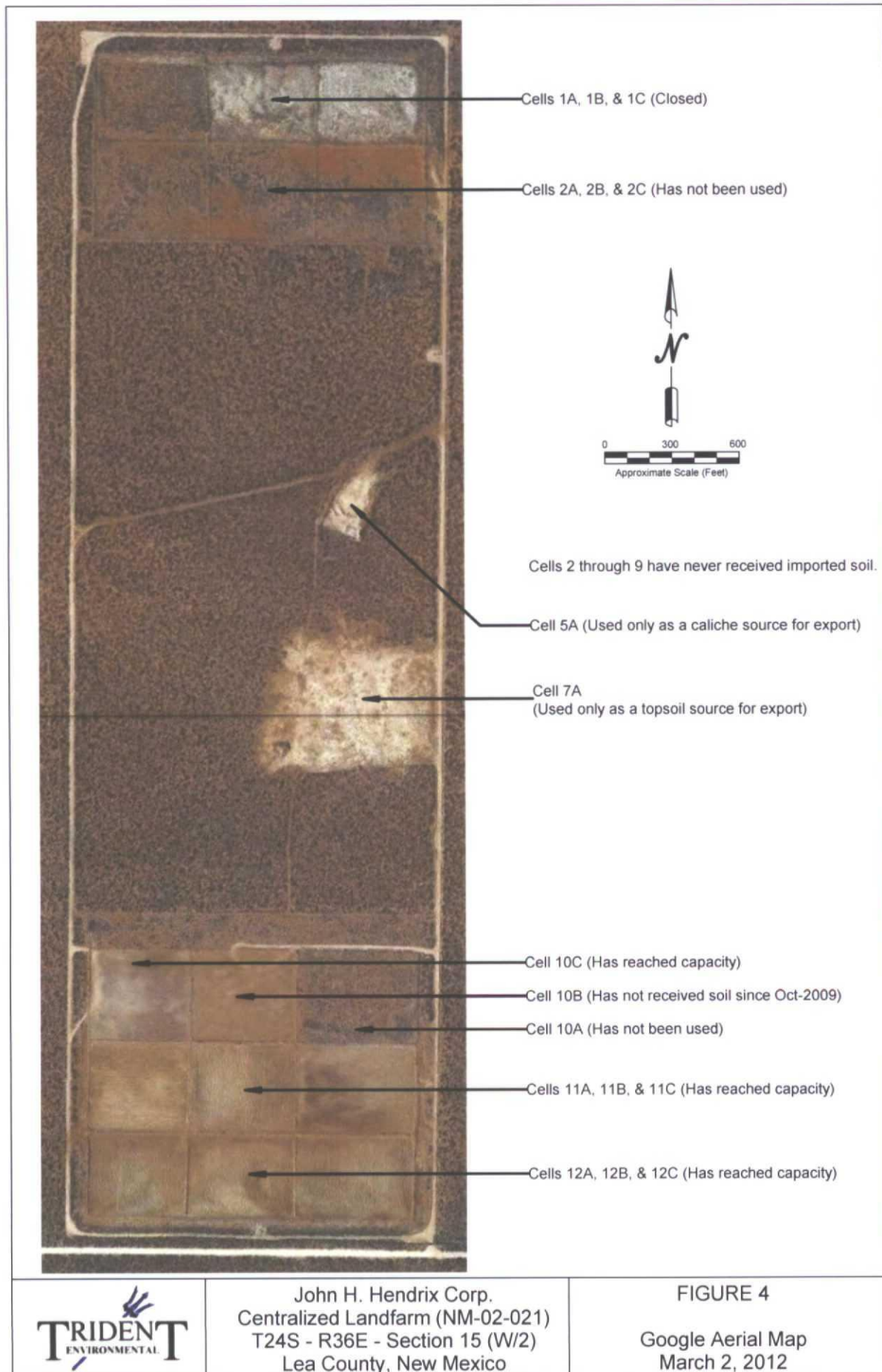
Cooper Cemetery Road (CR 7)



John H. Hendrix Corp.
 Centralized Landfarm (NM-02-021)
 T24S - R36E - Section 15 (W/2)
 Lea County, New Mexico

FIGURE 3

Sample Location Map
 October 30, 2012



TABLES

Table 1
Summary of BTEX, TPH, and Chloride Concentrations - Soil Analytical Results

Cell No. Ltr.	Sample Date	Sample Zone	Sample ID (Depth)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	TPH C6-C28 (mg/kg)	Chloride (mg/kg)
10B	10/01/09	Vadose	10B (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	<80
	10/01/09		10B-1 (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	<80
	04/07/10		10B (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	16
	04/07/10		10B-1 (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	16
	11/03/10		10B (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	11/03/10		10B-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	04/04/11		10B (3')	<0.050	0.084	<0.050	<0.150	<0.300	<10	15.6	22	32
	04/04/11		10B-1 (3')	<0.050	0.057	<0.050	<0.150	<0.300	<10	12	<20	80
	10/18/11		10B (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	10/18/11		10B-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	8
	03/14/12		10B (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	03/14/12		10B-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	8
	10/30/12		10B (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	10/30/12		10B-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	10	<20	144
10C	01/07/08	Background	10C (2' -3')	<0.005	<0.014	<0.014	<0.014	<0.045	<0.19	<10	<10	<5.13
	10/07/08	Treatment	10C (0' -1')	<0.001	<0.002	<0.001	<0.003	<0.007	<75.7	1,290	1,290	---
	03/25/09		10C (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	2,340	2,340	---
	03/25/09		10C-1 (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	152	152	---
	10/01/09		10C (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	454	454	<16
	10/01/09		10C-1 (0' -1')	<0.050	<0.050	0.065	<0.050	<0.300	<10	3,640	3,640	<16
	04/07/10		10C (0' -1')	<0.050	<0.050	<0.050	<0.300	<0.300	<50	274	274	16
	04/07/10		10C-1 (0' -1')	<0.050	<0.050	0.056	<0.300	<0.300	<50	10,000	10,000	96
	11/03/10		10C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	11/03/10		10C-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	04/04/11		10C (1')	<0.050	0.089	<0.050	<0.150	<0.300	<100	5,670	5,670	16
	04/04/11		10C-1 (1')	<0.050	0.106	<0.050	<0.150	<0.300	<50	287	287	<4
	10/18/11		10C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<50	111	111	4
	10/18/11		10C-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<50	107	107	4
	03/14/12		10C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<100	3,080	3,080	16.7
	03/14/12		10C-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	86	86	8
	10/29/12		10C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<50	197	197	<4
	10/30/12		10C-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	35	35	<4
	10/07/08	Vadose	10C (2' -3')	<0.001	<0.002	<0.001	<0.003	<0.008	<16.5	<16.5	<33	---
	03/25/09		10C (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	---
	03/25/09		10C-1 (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	---
	10/01/09		10C (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	<80
	10/01/09		10C-1 (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	<80
	04/07/10		10C (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	16
	04/07/10		10C-1 (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	32
	11/03/10		10C (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	11/03/10		10C-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	04/04/11		10C (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	12	<20	<4
	04/04/11		10C-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	32
	10/18/11		10C (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	10/18/11		10C-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	03/14/12		10C (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	03/14/12		10C-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	5
	10/30/12		10C (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	10/30/12		10C-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4

Table 1
Summary of BTEX, TPH, and Chloride Concentrations - Soil Analytical Results

Cell No. Ltr.	Sample Date	Sample Zone	Sample ID (Depth)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Nylene (mg/kg)	BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	TPH C6-C28 (mg/kg)	Chloride (mg/kg)
11A	03/02/06	Background	11A (2' -3')	<0.025	<0.025	<0.025	<0.025	<0.1	<10	<10	<20	4.67
	10/06/08	Treatment	11A (0' -1')	<0.001	<0.002	<0.001	<0.003	<0.007	<15.5	621	621	<5.00
	03/25/09		11A (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	---
	10/01/09		11A (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	27.0	27.0	<16
	04/07/10		11A (0' -1')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	161	161	16
	11/03/10		11A (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	8
	04/04/11		11A (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<50	254	254	<4
	10/18/11		11A (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	03/14/12		11A (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	37	37	<4
	10/30/12		11A (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	181	181	32
	10/06/08	Vadose	11A (2' -3')	<0.001	<0.002	<0.001	<0.003	<0.007	<15.7	<15.7	<31.4	<5.00
	03/25/09		11A (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	---
	10/01/09		11A (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	60
	04/07/10		11A (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	224
	11/03/10		11A (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	16
	04/04/11		11A (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	32
	10/18/11		11A (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	03/14/12		11A (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	12.2
	10/30/12		11A (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
11B	01/07/08	Background	11B (2' -3')	<0.005	<0.015	<0.015	<0.015	<0.051	<0.19	<10	<10	<5.13
	03/13/08	Treatment	11B (0' -1')	<0.001	<0.002	<0.001	<0.003	<0.007	2.78	5910	5913	931
	03/13/08		11B-1 (0' -1')	<0.001	<0.002	<0.001	<0.003	<0.007	2.91	6170	6173	1170
	10/06/08		11B (0' -1')	<0.003	<0.005	0.008	0.045	0.0533	<15.5	2230	2230	495
	10/06/08		11B-1 (0' -1')	<0.003	<0.005	0.010	0.056	0.066	<15.6	1080	1080	451
	03/25/09		11B (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	298	298	---
	10/01/09		11B-1 (0' -1')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	38.1	38.1	<16
	10/01/09		11B (0' -1')	<0.050	<0.050	0.053	0.233	0.286	<10	1,140	1,140	160
	04/07/10		11B (0' -1')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	71.8	71.8	96
	04/07/10		11B-1 (0' -1')	<0.050	<0.050	0.053	0.233	<0.300	<50	468	468	64
	11/03/10		11B (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	11/03/10		11B-1 (1')	<0.050	<0.050	0.053	0.233	<0.300	<10	284	284	8
	04/04/11		11B (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<50	544	544	96
	04/04/11		11B-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<50	335	335	4.2
	10/18/11		11B (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<50	619	619	256
	10/18/11		11B-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<50	165	165	64
	03/14/12		11B (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	14.6	14.6	36
	03/14/12		11B-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	24
	10/30/12		11B (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<100	1,030	1,030	112
	10/30/12		11B-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<50	647	647	64
	03/20/08	Vadose	11B (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.017	<0.060	<3.18	<3.24	<5.39
	03/20/08		11B-1 (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.019	<0.061	<3.11	<3.17	<5.35
	10/06/08		11B (2' -3')	<0.001	<0.002	<0.001	<0.003	<0.007	<15.6	<15.6	<31.2	52.1
	10/06/08		11B-1 (2' -3')	<0.001	<0.002	<0.001	<0.003	<0.008	<16.2	<16.2	<32.4	473
	03/25/09		11B (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	---
	10/01/09		11B (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	40
	10/01/09		11B-1 (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	260
	04/07/10		11B (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	32
	04/07/10		11B-1 (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	192
	11/03/10		11B (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	11/03/10		11B-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	76
	04/04/11		11B (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	11	<20	160
	04/04/11		11B-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	16
	10/18/11		11B (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	304
	10/18/11		11B-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	368
	03/14/12		11B (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	144
	03/14/12		11B-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	20
	10/30/12		11B (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	160
	10/30/12		11B-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	176

Table 1
Summary of BTEX, TPH, and Chloride Concentrations - Soil Analytical Results

Cell No. Ltr.	Sample Date	Sample Zone	Sample ID (Depth)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	TPH C6-C28 (mg/kg)	Chloride (mg/kg)
11C	10/15/07	Background	11C (2' -3')	<0.005	<0.014	<0.014	<0.014	<0.045	<0.19	<10	<10	<5.13
	03/13/08	Treatment	11C (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.016	0.081	635	635	42.9
	03/13/08		11C-1 (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.017	<0.054	1300	1300	30.1
	10/06/08		11C (0' -1')	<0.001	<0.002	<0.001	<0.003	<0.008	<15.8	519	519	<10.0
	03/25/09		11C (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	34.3	34.3	---
	03/25/09		11C-1 (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	78.1	78.1	---
	10/01/09		11C (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	15.4	15.4	<16
	04/07/10		11C (0' -1')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	253	253	32
	11/03/10		11C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	04/04/11		11C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	62	62	9.8
	10/18/11		11C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	65	65	48
	03/14/12		11C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	8
	10/30/12		11C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	10/15/07	Vadose	11C (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.018	<0.059	4.49	4.49	<5.47
	03/20/08		11C (2' -3')	<0.003	<0.006	<0.006	<0.006	<0.021	<0.069	<3.44	<3.51	<6.05
	03/20/08		11C-1 (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.019	<0.066	<3.28	<3.35	<5.65
	10/06/08		11C (2' -3')	<0.001	<0.002	<0.001	<0.003	<0.008	<16.3	<16.3	<32.6	<10.0
	03/25/09		11C (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	---
	03/25/09		11C-1 (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	---
	10/01/09		11C (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	<80
	04/07/10		11C (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	<16
	11/03/10		11C (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	8
	04/04/11		11C (3')	<0.050	0.095	<0.050	<0.150	<0.300	<10	<10	<20	5
	10/18/11		11C (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	32
	03/14/12		11C (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	22
	10/30/12		11C (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
12A	03/02/06	Background	12A (2' -3')	<0.050	<0.025	<0.025	<0.025	<0.300	<10	<10	<20	8.86
	03/20/08	Treatment	12A (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.019	<0.066	518	518	<5.72
	10/06/08		12A (0' -1')	<0.001	<0.002	<0.001	<0.003	<0.008	<15.7	198	198	<5.00
	03/25/09		12A (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	118	118	---
	10/01/09		12A (0' -1')	<0.050	<0.050	0.202	<0.050	<0.300	<10	37.2	37.2	<16
	10/01/09		12A-1 (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	21.4	21.4	<16
	04/07/10		12A (0' -1')	<0.050	<0.050	0.202	<0.050	<0.300	<10	332	332	<16
	04/07/10		12A-1 (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	82	82	<16
	11/03/10		12A (1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	79	79	<4
	11/03/10		12A-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	04/04/11		12A (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<50	10.2	<50	<4
	04/04/11		12A-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	70	70	<4
	10/18/11		12A (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	25	25	4
	10/18/11		12A-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	44	44	4
	03/14/12		12A (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	15	15	<4
	10/30/12		12A (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	10/30/12		12A-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	03/20/08	Vadose	12A (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.018	<0.057	<3.07	<3.13	<5.40
	10/06/08		12A (2' -3')	<0.001	<0.002	<0.001	<0.003	<0.008	<16.0	<16.0	<32.0	<10.0
	03/25/09		12A (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	---
	10/01/09		12A (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	60
	10/01/09		12A-1 (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	60
	04/07/10		12A (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	<16
	04/07/10		12A-1 (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	16
	11/03/10		12A (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	11/03/10		12A-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	04/04/11		12A (3')	<0.050	0.079	<0.050	<0.150	<0.300	<10	<10	<20	5.7
	04/04/11		12A-1 (3')	<0.050	0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	10/18/11		12A (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	10/18/11		12A-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	03/14/12		12A (3')	<0.050	0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	10/30/12		12A (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	10/30/12		12A-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4

Table 1
Summary of BTEX, TPH, and Chloride Concentrations - Soil Analytical Results

Cell No. Ltr.	Sample Date	Sample Zone	Sample ID (Depth)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Nylene (mg/kg)	BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	TPH C6-C28 (mg/kg)	Chloride (mg/kg)
12B	04/12/07	Background	12B (2' -3')	<0.004	<0.013	<0.013	<0.013	<0.044	<0.18	<10	<10	<4.88
	03/02/06	Treatment	SS-B (0' -1')	<0.025	<0.025	<0.025	<0.025	<0.1	<10	707	707	---
	03/02/06		SS-E (0' -1')	<0.025	<0.025	<0.025	<0.025	<0.1	<10	79.1	79.1	---
	10/25/06		12B-1 (0' -1')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	397	397	151
	10/25/06		12B-2 (0' -1')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	98.1	98.1	18.0
	04/12/07		12B (0' -1')	<0.003	<0.004	<0.004	<0.004	<0.016	<0.061	285	285	23.6
	10/09/07		12B (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.017	<0.055	886	886	6.54
	03/13/08		12B (0' -1')	<0.003	<0.006	<0.006	<0.006	<0.020	<0.068	569	569	36.6
	10/06/08		12B (0' -1')	<0.001	<0.002	<0.001	<0.003	<0.008	<15.8	243	243	<5.00
	03/25/09		12B (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	67.8	67.8	---
	10/01/09		12B (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	<16
	04/07/10		12B (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	<16
	11/03/10		12B (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	16
	04/04/11		12B (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	10/18/11		12B (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	602	602	12
	03/14/12		12B (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	03/14/12		12B-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	64	64	55
	10/30/12		12B (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	16
	03/02/06	Vadose	SS-B (2' -3')	<0.025	<0.025	<0.025	<0.025	<0.1	<10	<10	<20	4.98
	03/02/06		SS-E (2' -3')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	<10	<20	15.2
	10/25/06		12B-1 (3' -4')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	<10	<10	60
	10/25/06		12B-2 (3' -4')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	<10	<10	151
	04/12/07		12B (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.017	<0.061	<2.81	<2.81	21.2
	10/16/07		12B (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.018	<0.065	5.46	5.53	<5.65
	03/20/08		12B (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.019	<0.058	<3.26	<3.32	171
	10/06/08		12B (2' -3')	<0.001	<0.002	<0.001	<0.003	<0.008	<16	<16	<32.0	30.7
	03/25/09		12B (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	---
	10/01/09		12B (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	60
	04/07/10		12B (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	96
	11/03/10		12B (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	20
	04/04/11		12B (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	10/18/11		12B (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	12
	03/14/12		12B (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	03/14/12		12B-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	68
	10/30/12		12B (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	12
12C	04/17/07	Background	12C (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.017	<0.053	<2.90	<2.90	<4.97
	04/10/07	Treatment	12C (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.016	<0.063	175	175	<4.99
	04/10/07		12C-1 (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.016	<0.061	218	218	<4.90
	10/09/07		12C (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.017	<0.053	3.80	3.80	<5.00
	10/09/07		12C-1 (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.018	<0.060	9.95	9.95	<5.07
	03/13/08		12C (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.019	<0.069	236	236	<5.67
	03/13/08		12C-1 (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.018	<0.057	681	681	<5.22
	10/06/08		12C (0' -1')	<0.001	<0.002	<0.001	<0.003	<0.007	<15.4	729	729	<5.00
	10/06/08		12C-1 (0' -1')	<0.001	<0.002	<0.001	<0.003	<0.007	<15.3	36.7	36.7	<5.00
	03/25/09		12C (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	---
	03/25/09		12C-1 (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	67	67	---
	10/01/09		12C (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	26	26	<16
	04/07/10		12C (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	108	108	16
	11/03/10		12C (1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	<4
	04/04/11		12C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	10/18/11		12C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	80	80	4
	03/14/12		12C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	10/30/12		12C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	15	15	<4

Table 1
Summary of BTEX, TPH, and Chloride Concentrations - Soil Analytical Results

Cell No. Ltr.	Sample Date	Sample Zone	Sample ID (Depth)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	TPH C6-C28 (mg/kg)	Chloride (mg/kg)
12C	03/02/06	Vadose	SS-C (2' -3')	<0.025	<0.025	<0.025	<0.025	<0.1	<10	<10	<20	42.8
	03/02/06		SS-D (2' -3')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	<10	<20	4.92
	10/25/06		12C-1 (3' - 4')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	<10	<10	15.0
	10/25/06		12C-2 (3' - 4')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	<10	<10	27.6
	04/12/07		12C (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.018	<0.056	<2.73	<2.79	<4.56
	04/12/07		12C-1 (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.017	<0.062	10.1	10.1	<4.98
	10/16/07		12C (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.018	<0.055	<2.68	<2.73	<5.57
	03/20/08		12C (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.017	<0.060	<3.08	<3.14	<5.22
	03/20/08		12C-1 (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.018	<0.057	<3.25	<3.31	<5.42
	10/06/08		12C (2' -3')	<0.001	<0.002	<0.001	<0.003	<0.008	<15.7	16.6	16.6	<5.00
	10/06/08		12C-1 (2' -3')	<0.001	<0.002	<0.001	<0.003	<0.008	<15.9	67.1	67.1	<5.00
	03/25/09		12C (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	---
	03/25/09		12C-1 (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	---
	10/01/09		12C (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	<80
	04/07/10		12C (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	<16
	11/03/10		12C (3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	<4
	04/04/11		12C (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	10/18/11		12C (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	03/14/12		12C (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	10/30/12		12C (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4

Table 2
Summary of Metal Concentrations - Soil Analytical Results

Cell No.	Sample Date	Sample Zone	Sample ID (Depth in Ft)	Metals (mg/kg)											
				As	Ag	Ba	Cd	Cr	Pb	Hg	Se	Cu	Fe	Mn	Zn
7B	11/29/04	Background	Facility (2' -3')	3.65	<0.25	507	0.341	3.01	0.5	<0.25	<0.2	---	---	---	---
1A	04/12/07	Background	SS-1A (2' -3")	3.23	<0.094	55.4	0.196	13.4	6.84	<0.016	1.70	---	---	---	---
	04/10/07	Treatment	1A (0' -1')	1.94	<0.090	62.9	0.111	5.92	3.57	<0.015	0.98	---	---	---	---
	04/10/07		1A-1 (0' -1")	2.34	1.14	96.2	0.120	5.86	3.37	<0.014	1.14	---	---	---	---
	10/09/07		1A (0' -1')	1.95	<0.096	73.6	<0.096	5.90	3.37	<0.016	0.313	---	---	---	---
	10/09/07		1A-1 (0' -1")	2.21	0.150	91.3	0.173	5.76	3.65	<0.015	0.356	---	---	---	---
	03/13/08		1A (0' -1')	2.29	<0.096	75.0	0.114	5.75	3.27	<0.016	0.730	---	---	---	---
	03/13/08		1A-1 (0' -1")	1.96	<0.100	64.0	0.105	5.88	3.31	<0.014	0.798	---	---	---	---
	10/24/06	Vadose	1-A-1 (3' -4")	1.79	0.543	22.0	<0.173	6.83	3.56	0.013	<0.751	---	---	---	---
	10/24/06		1-A-2 (3' -4")	1.09	0.435	13.7	<0.173	4.86	2.54	0.012	<0.751	---	---	---	---
	04/10/07		1A (2' -3")	2.99	<0.089	49.4	0.231	12.4	5.70	<0.014	1.43	---	---	---	---
	04/12/07		1A-1 (2' -3")	1.79	<0.099	27.0	<0.099	7.22	3.51	<0.015	0.987	---	---	---	---
	10/15/07		1A (2' -3")	1.27	<0.094	18.2	<0.094	5.68	2.80	<0.015	0.491	---	---	---	---
	10/15/07		1A-1 (2' -3")	2.82	<0.088	46.8	<0.107	11.5	6.09	<0.015	0.871	---	---	---	---
	03/20/08		1A (2' -3")	4.18	<0.112	53.5	0.258	14.1	7.64	<0.083	1.55	---	---	---	---
	03/20/08		1A-1 (2' -3")	1.61	<0.097	25.3	<0.097	6.83	3.57	<0.076	1.01	---	---	---	---
	04/07/10		1A (2' -3")	0.877	<0.25	19.5	0.151	3.79	2.88	<0.1	<0.5	1.34	3,890	28.6	4.50
	11/03/10		1A (3')	2.21	0.052	35.7	0.04	5.51	4.76	0.007	0.331	2.11	8,320	51.7	18.0
	10/18/11		1A (3')	2.85	0.082	55.7	0.362	9.77	5.63	<0.096	<1.0	3.57	8,780	57.5	19.7
	10/30/12		1A (3')	1.18	<0.1	22.3	0.297	4.07	2.82	<0.098	<1.0	2.99	4,740	42.7	9.9
1B	04/12/07	Background	SS-1B (2' -3")	3.05	<0.086	48.4	0.178	12.5	6.30	<0.014	1.46	---	---	---	---
	04/10/07	Treatment	1-B (0' -1')	1.82	<0.088	51.5	0.103	6.04	3.63	<0.015	0.943	---	---	---	---
	04/10/07		1-B-1 (0' -1")	2.05	<0.086	82.2	0.121	5.61	3.58	<0.014	0.850	---	---	---	---
	10/09/07		1B (0' -1')	1.97	<0.091	85.5	<0.091	6.70	3.91	<0.036	0.350	---	---	---	---
	10/09/07		1B-1 (0' -1")	1.82	<0.087	70.0	<0.087	6.35	3.72	<0.015	0.292	---	---	---	---
	03/13/08		1B (0' -1')	1.73	<0.100	44.5	<0.100	6.41	3.56	<0.016	0.758	---	---	---	---
	03/13/08		1B-1 (0' -1")	2.09	<0.102	126	0.116	6.68	3.97	<0.017	1.04	---	---	---	---
	10/24/06	Vadose	1-B-1 (3' -4")	2.31	0.210	35.8	<0.173	10.2	5.25	0.009	<0.751	---	---	---	---
	10/24/06		1-B-2 (3' -4")	0.981	0.099	21.1	<0.173	5.80	3.02	0.007	<0.751	---	---	---	---
	04/10/07		1B (2' -3")	2.14	<0.087	31.8	0.134	8.30	4.36	<0.015	1.12	---	---	---	---
	04/12/07		1B-1 (2' -3")	1.73	<0.094	29.3	0.103	7.46	3.75	<0.015	0.950	---	---	---	---
	10/15/07		1B (2' -3")	1.97	<0.095	39.2	0.101	8.34	4.57	<0.015	0.843	---	---	---	---
	03/20/08		1B (2' -3")	1.38	<0.094	25.6	0.115	5.90	3.44	<0.015	0.798	---	---	---	---
	03/20/08		1B-1 (2' -3")	1.88	<0.105	31.3	0.127	7.49	4.01	<0.018	0.889	---	---	---	---
	04/07/10		1B (2' -3")	0.845	<0.25	19.5	0.180	3.95	2.77	<0.1	<0.5	1.45	3,870	34.0	4.81
	04/07/10		1B-1 (1.5')	1.57	<0.25	17.6	0.247	4.25	3.86	<0.1	<0.5	1.74	4,000	37.5	9.93
	11/03/10		1B (3')	3.03	0.043	42.3	0.04	6.01	5.79	0.008	0.385	2.47	10,500	55.3	21.9
	11/03/10		1B-1 (3')	2.39	0.051	44.6	0.04	5.85	5.13	0.005	0.384	<2.00	8,850	56.2	20.1
	10/18/11		1B (3')	1.99	0.040	124	0.331	5.01	3.07	<0.097	<1.0	3.22	4,810	60.6	20.4
	10/18/11		1B-1 (3')	1.47	0.342	47.6	0.215	5.06	2.98	<0.098	<1.0	2.73	4,160	44.9	10.4
	10/30/12		1B (3')	1.07	<0.100	20.2	0.520	3.86	2.67	<0.098	<1.0	2.89	4,260	50.9	8.9
	10/30/12		1B-1 (3')	2.77	<0.100	49.7	0.505	7.52	5.42	<0.098	<1.0	2.86	9,250	47.2	19.1
1C	04/12/07	Background	SS-1C (2' -3")	2.24	<0.175	46.8	0.142	9.14	5.13	<0.04	1.35	---	---	---	---
	10/01/09	Vadose	1C (2' -3')	3.15	<1.0	68.6	0.422	11.3	6.20	<0.1	0.464	3.9	10,700	63.4	23.9
	04/07/10		1C (2' -3')	2.00	<0.25	53.1	0.320	7.73	6.78	<0.1	<0.5	2.10	9,190	40.9	15.1
	11/03/10		1C (3')	1.75	0.047	29.5	0.08	3.61	3.95	0.006	0.250	<2.00	5,870	53.2	11.9
	10/18/11		1C (3')	1.61	0.030	28.1	0.202	5.71	3.69	<0.096	<1.0	3.80	5,370	38.4	10.7
	10/30/12		1C (3')	2.46	<0.100	56.2	0.415	7.12	5.15	<0.097	<1.0	3.09	10,300	57.3	23.0
2A	01/07/08	Background	2A (2' -3")	0.839	<0.092	15.4	<0.092	3.77	2.39	<0.016	0.589	---	---	---	---
2B	01/07/08	Background	2B (2' -3")	1.72	<0.109	26.0	<0.109	5.89	3.67	<0.018	0.990	---	---	---	---
2C	01/07/08	Background	2C (2' -3")	2.84	<0.100	51.4	0.130	9.64	5.77	<0.016	1.49	---	---	---	---
10A	01/07/08	Background	10A (2' -3")	1.63	<0.100	34.1	<0.100	6.55	4.09	<0.015	1.19	---	---	---	---
10B	01/07/08	Background	10B (2' -3")	1.24	<0.2	23.0	<0.3	5.24	3.05	<0.04	1.01	---	---	---	---
	10/01/09	Vadose	10B (2' -3')	0.862	<1.0	21.8	0.180	4.90	2.33	<0.1	0.155	2.3	4,050	36.8	8.9
	10/01/09		10B-1 (2' -3')	1.08	<1.0	22.2	0.209	5.20	2.97	<0.1	0.295	2.2	4,550	48.7	10.0
	04/07/10		10B (2' -3')	0.988	<0.25	24.9	0.238	4.78	3.63	<0.1	<0.5	2.12	4,650	44.6	8.35
	04/07/10		10B-1 (2' -3')	1.03	<0.25	29.5	0.222	4.87	4.07	<0.1	<0.5	2.13	5,490	48.1	8.95
	11/03/10		10B (3')	1.80	0.034	28.3	0.08	4.61	3.77	0.009	0.345	<2.00	6,390	63.1	15.6
	11/03/10		10B-1 (3')	1.69	0.049	36.9	0.05	4.84	3.97	0.007	0.280	2.19	5,630	54.9	13.8
	10/18/11		10B (3')	1.59	0.045	43.9	0.276	6.19	3.35	<0.100	<1.0	3.86	5,220	54.6	13.2
	10/18/11		10B-1 (3')	2.49	0.089	71.7	0.407	8.67	4.69	<0.096	<1.0	3.92	8,210	58.6	21.7
	10/30/12		10B (3')	1.41	<0.100	30.4	0.385	5.26	3.91	<0.100	<1.0	2.89	5,370	62.1	13.1
	10/30/12		10B-1 (3')	1.92	<0.100	37.4	0.381	5.34	4.26	<0.099	<1.0	2.94	7,180	64.9	19.7

Table 2
Summary of Metal Concentrations - Soil Analytical Results

Cell No.	Sample Date	Sample Zone	Sample ID (Depth in Ft)	Metals (mg/kg)											
				As	Ag	Ba	Cd	Cr	Pb	Hg	Se	Cu	Fe	Mn	Zn
10C	01/07/08	Background	10C (2' -3')	1.43	<0.2	23.5	<0.3	5.31	3.36	<0.04	1.08	---	---	---	---
	10/07/08	Vadose	10-C (2' -3')	<5.00	<2.00	12.9	<2.50	12.7	<6.00	0.019	<5.00	---	---	---	---
	10/01/09		10C (2' -3')	1.70	<1.0	26.2	0.261	6.40	3.90	<0.1	0.485	<2.0	6,070	46.9	12.7
	10/01/09		10C-1 (2' -3')	1.86	<1.0	32.4	0.245	9.10	3.74	<0.1	0.401	2.5	6,770	53.4	15.4
	04/07/10		10C (2' -3')	1.72	<0.25	42.7	0.292	6.93	5.62	<0.1	<0.5	1.67	8,250	41.5	11.7
	04/07/10		10C-1 (2' -3')	1.51	<0.25	36.1	0.256	5.39	4.70	<0.1	<0.5	1.93	6,690	41.1	9.91
	11/03/10		10C (3')	2.01	0.036	35.2	0.04	5.69	4.64	0.007	0.290	2.01	7,100	60.8	15.8
	11/03/10		10C-1 (3')	1.47	0.039	20.5	0.03	3.16	3.59	0.005	0.237	<2.00	4,270	35.6	9.3
	10/18/11		10C (3')	3.96	0.078	139	0.61	13.9	7.81	<0.097	<1.0	4.40	14,700	100	39.6
	10/18/11		10C-1 (3')	3.62	0.073	75.2	0.460	12.0	6.70	<0.097	<1.0	3.16	13,100	73.1	31.8
	10/30/12		10C (3')	3.26	<0.100	61.1	0.469	9.44	7.41	<0.097	<1.0	3.49	14,500	96.7	36.2
	10/30/12		10C-1 (3')	2.00	<0.100	38.6	0.334	5.85	4.24	<0.096	<1.0	2.34	8,180	59.7	18.6
11A	01/07/08	Background	11A (2' -3')	1.53	<0.2	27.1	<0.3	5.93	3.46	<0.04	0.938	---	---	---	---
	10/06/08	Vadose	11A (2' -3')	<5.00	14.8	112	<2.50	14.9	<6.00	<0.013	<5.00	---	---	---	---
	10/01/09		11A (2' -3')	2.42	<1.0	40.9	0.272	10.2	4.79	<0.1	0.480	3.4	9,360	63.3	20.3
	04/07/10		11A (2' -3')	2.07	<0.25	60.8	0.391	7.56	6.39	<0.1	<0.5	13.6	9,520	45.0	15.0
	11/03/10		11A (3')	2.47	0.044	39.5	0.04	6.00	4.91	0.008	0.339	2.00	8,790	56.3	20.0
	10/18/11		11A (3')	2.14	0.056	63.5	0.336	5.60	3.39	<0.097	<1.0	3.00	6,390	51.9	22.3
	10/30/12		11A (3')	1.17	<0.100	20.8	0.331	3.61	2.53	<0.098	<1.0	<2.00	4,580	47.5	10.9
11B	01/07/08	Background	11B (2' -3')	1.23	<0.2	21.8	<0.3	4.98	3.53	<0.04	0.735	---	---	---	---
	03/13/08	Treatment	11B (0' -1')	4.66	<0.095	131	0.172	7.57	4.31	<0.014	1.05	---	---	---	---
	03/13/08		11B-1 (0' -1')	4.47	<0.098	130	0.157	7.09	3.91	<0.015	0.702	---	---	---	---
	03/20/08	Vadose	11B (2' -3')	2.52	<0.099	47.6	0.168	9.58	5.31	<0.015	1.25	---	---	---	---
	03/20/08		11B-1 (2' -3')	2.21	<0.100	37.2	0.152	8.91	5.04	<0.017	1.26	---	---	---	---
	10/06/08		11B (2' -3')	5.75	4.65	18.1	<2.50	12.9	14.9	<0.013	<5.00	---	---	---	---
	10/06/08		11B-1 (2' -3')	<5.00	<2.00	25.0	<2.50	15.8	<6.00	<0.013	<5.00	---	---	---	---
	10/01/09		11B (2' -3')	2.44	<1.0	48.5	0.260	10.2	4.67	<0.1	0.378	2.6	9,470	55.0	21.1
	10/01/09		11B-1 (2' -3')	1.74	<1.0	29.2	0.288	7.60	4.31	<0.1	0.189	2.3	6,980	57.4	16.5
	04/07/10		11B (2' -3')	0.90	<0.25	18.9	0.181	4.09	3.21	<0.1	<0.5	1.46	4,230	31.9	5.25
	04/07/10		11B-1 (2' -3')	1.55	<0.25	60.5	0.292	6.91	5.86	<0.1	<0.5	2.45	9,210	57.7	11.3
	11/03/10		11B (3')	2.97	0.062	46.9	0.05	6.77	5.97	0.008	0.401	2.54	10,600	66.6	25.7
	11/03/10		11B-1 (3')	1.42	0.045	20.4	0.04	3.22	3.39	0.006	0.206	<2.00	4,920	39.3	9.8
	10/18/11		11B (3')	2.56	0.064	130	0.443	6.76	3.37	<0.099	<1.0	2.62	6,270	45.4	25.5
	10/18/11		11B-1 (3')	2.50	0.079	79.7	0.445	7.19	3.91	<0.099	<1.0	3.22	7,410	57.3	23.7
	10/30/12		11B (3')	1.73	<0.100	31.7	0.423	5.21	3.95	<0.097	<1.0	2.36	7,570	59.3	17.0
	10/30/12		11B-1 (3')	1.81	<0.100	26.0	0.388	5.71	4.00	<0.100	<1.0	3.15	7,280	50.1	16.8
11C	10/15/07	Background	SS-11C (2' -3')	2.67	<0.2	300	0.113	5.47	2.62	<0.04	0.490	---	---	---	---
	10/09/07	Treatment	11C (0' -1')	1.97	<0.090	143	0.102	7.50	4.10	<0.014	0.316	---	---	---	---
	03/13/08		11C (0' -1')	1.97	<0.100	109	0.109	7.35	3.87	<0.015	0.930	---	---	---	---
	03/13/08		11C-1 (0' -1')	1.88	<0.101	70.6	0.132	7.49	4.16	<0.014	0.646	---	---	---	---
	10/15/07	Vadose	11C (2' -3')	2.05	<0.095	50	<0.095	8.49	4.26	<0.015	0.766	---	---	---	---
	03/20/08		11C-1 (2' -3')	3.01	<0.099	57.7	0.206	11.7	6.19	<0.016	1.16	---	---	---	---
	03/20/08		11C (2' -3')	2.13	<0.104	231	0.132	1.94	1.09	<0.016	0.367	---	---	---	---
	10/06/08		11C (2' -3')	8.95	<2.00	25.4	<2.50	19.7	13.8	<0.014	<5.00	---	---	---	---
	10/01/09		11C (2' -3')	1.07	<1.0	25.2	0.213	5.70	2.86	<0.1	<0.100	2.0	4,910	47.0	10.5
	04/07/10		11C (2' -3')	1.30	<0.25	38.4	0.271	6.02	5.00	<0.1	<0.5	2.06	6,680	52.8	11.0
	11/03/10		11C (3')	2.16	0.329	40.0	0.02	5.24	4.60	0.008	0.329	<2.00	7,890	54.5	19.1
	10/18/11		11C (3')	1.68	0.049	52.1	0.307	6.31	3.57	<0.097	<1.0	2.67	6,540	55.6	17.6
	10/30/12		11C (3')	1.54	<0.100	30.4	0.370	4.81	3.30	<0.096	<1.0	2.64	6,030	53.8	16.2

Table 2
Summary of Metal Concentrations - Soil Analytical Results

Cell No.	Sample Date	Sample Zone	Sample ID (Depth in Ft)	Metals (mg/kg)											
				As	Ag	Ba	Cd	Cr	Pb	Hg	Se	Cu	Fe	Mn	Zn
12A	04/12/07	Background	SS-12A (2' - 3')	2.90	<0.2	50.8	0.176	11.4	5.61	<0.04	1.40	---	---	---	---
	04/10/07	Treatment	12A (0' - 1')	3.44	<0.94	73.6	0.218	9.55	7.39	<0.014	1.10	---	---	---	---
	10/09/07		12A (0' - 1')	7.09	<0.096	72.4	<0.096	6.30	5.23	<0.016	0.264	---	---	---	---
	03/13/08		12A (0' - 1')	3.81	<0.103	96.3	0.146	7.52	5.62	<0.017	0.841	---	---	---	---
	04/12/07	Vadose	12A (2' - 3')	2.13	<0.98	191	0.130	2.85	1.42	<0.015	0.489	---	---	---	---
	10/16/07		12A (2' - 3')	2.08	<0.108	38.7	<0.108	8.81	4.41	<0.016	0.654	---	---	---	---
	10/16/07		12A-1 (2' - 3')	2.14	<0.100	39.4	<0.100	8.56	4.54	<0.017	0.806	---	---	---	---
	03/20/08		12A (2' - 3')	2.51	<0.102	45.0	0.172	9.80	5.35	<0.015	1.21	---	---	---	---
	10/06/08		12A (2' - 3')	<5.00	10.7	27.6	<2.50	18.7	<6.00	<0.015	<5.00	---	---	---	---
	10/01/09		12A (2' - 3')	2.76	<1.0	66.7	0.309	12.2	6.16	<0.1	0.284	2.8	11,600	62.1	25.2
	10/01/09		12A-1 (2' - 3')	1.67	<1.0	35.7	0.228	8.50	3.94	<0.1	<0.100	2.2	7,920	64.9	17.9
	04/07/10		12A (2' - 3')	1.82	<0.25	63.3	0.328	7.89	7.27	<0.1	<0.5	1.87	10,400	39.9	12.9
	04/07/10		12A-1 (2' - 3')	1.92	<0.25	55.1	0.375	8.78	7.45	<0.1	<0.5	2.29	11,900	57.6	15.7
	11/03/10		12A (3')	2.90	0.035	64.4	0.06	7.36	6.56	0.008	0.352	2.31	11,600	67.4	26.4
	11/03/10		12A-1 (3')	2.24	0.048	36.2	0.04	5.93	4.79	0.016	0.318	2.69	8,270	80.4	20.0
	10/18/11		12A (3')	2.62	0.051	69.6	0.306	10.1	5.81	<0.098	<1.0	2.64	10,600	65.7	23.1
10/18/11	12A-1 (3')		2.60	0.087	92.1	0.500	8.39	4.33	<0.099	<1.0	3.58	7,970	90.7	26.3	
10/30/12	12A (3')	1.75	<0.100	36.2	0.307	5.33	3.96	<0.100	<1.0	2.65	6,870	64.1	15.9		
10/30/12	12A-1 (3')	2.88	<0.100	52.7	0.453	8.47	6.00	<0.098	<1.0	2.66	10,800	66.2	24.5		
12B	01/07/08	Background	SS-12B (2' - 3')	2.58	<0.2	236	0.202	5.76	3.08	<0.04	1.07	---	---	---	---
	04/10/07	Treatment	12B (0' - 1')	4.09	<0.088	214	0.148	9.92	5.05	<0.014	1.18	---	---	---	---
	10/09/07		12B (0' - 1')	2.38	<0.095	140	<0.095	7.19	5.11	<0.015	0.406	---	---	---	---
	03/13/08		12B (0' - 1')	2.31	<0.117	84.2	0.153	8.43	4.76	<0.017	1.23	---	---	---	---
	03/02/06	Vadose	SS-B (2' - 3')	0.89	0.778	19.8	<0.148	5.21	2.34	0.008	<1.29	---	---	---	---
	03/02/06		SS-C (2' - 3')	1.29	<0.377	25.8	<0.148	6.85	2.79	0.017	<1.29	---	---	---	---
	10/25/06		12B-1 (3' - 4')	2.08	0.189	259	<0.346	1.10	0.405	0.010	<1.50	---	---	---	---
	10/25/06		12B-2 (3' - 4')	<0.852	0.208	157	<0.346	<0.488	1.05	0.008	<1.50	---	---	---	---
	04/12/07		12B (2' - 3')	1.98	<0.050	112	0.141	4.92	2.57	<0.008	0.939	---	---	---	---
	10/16/07		12B (2' - 3')	2.19	0.103	175	0.125	7.58	3.51	<0.016	0.690	---	---	---	---
	03/20/08		12B (2' - 3')	2.70	<0.093	59.0	0.188	10.5	6.12	<0.016	1.340	---	---	---	---
	10/06/08		12B (2' - 3')	<5.00	<2.00	24.9	<2.50	21.4	8.25	<0.013	<5.00	---	---	---	---
	10/01/09		12B (2' - 3')	1.51	<1.0	37.7	0.276	7.10	3.66	<0.1	<0.100	<2.0	6,380	55.5	14.6
	04/07/10		12B (2' - 3')	1.68	<0.25	39.5	0.289	6.38	5.27	<0.1	<0.5	1.67	7,670	37.4	10.8
	11/03/10		12B (3')	1.69	0.059	54.6	0.07	3.35	4.12	0.008	0.309	2.28	6,460	63.0	16.9
	10/18/11		12B (3')	2.04	0.058	48.5	0.317	7.51	4.52	<0.099	<1.0	2.98	8,000	78.1	18.1
10/30/12	12B (3')		2.15	<0.100	40.2	0.393	6.48	4.66	<0.099	<1.0	2.72	7,650	70.0	17.6	
12C	04/12/07	Background	SS-12C (2' - 3')	1.89	<0.2	62.6	0.152	6.43	3.60	<0.04	1.34	---	---	---	---
	04/10/07	Treatment	12C (0' - 1')	1.90	<0.097	36.7	0.128	6.73	4.48	<0.016	0.89	---	---	---	---
	04/10/07		12C-1 (0' - 1')	2.01	<0.093	50.1	0.126	6.89	3.66	<0.014	0.99	---	---	---	---
	10/09/07		12C (0' - 1')	1.18	<0.085	31.2	<0.085	5.03	3.55	<0.037	0.271	---	---	---	---
	10/09/07		12C-1 (0' - 1')	1.61	<0.091	52.5	0.099	6.05	4.01	<0.015	0.263	---	---	---	---
	03/13/08		12C (0' - 1')	1.84	<0.114	117	0.140	6.41	4.16	<0.017	0.981	---	---	---	---
	03/13/08	12C-1 (0' - 1')	2.17	<0.104	89.5	0.149	7.28	5.00	<0.016	0.551	---	---	---	---	
	03/02/06	Vadose	SS-D (2' - 3')	1.30	0.092	27.2	<0.148	7.21	3.00	0.021	<1.29	---	---	---	---
	03/02/06		SS-E (2' - 3')	1.05	<0.377	26.4	<0.148	6.90	2.95	0.012	<1.29	---	---	---	---
	10/25/06		12C-1 (3' - 4')	3.34	3.92	834	<0.346	2.20	1.21	0.006	<1.50	---	---	---	---
	10/25/06		12C-2 (3' - 4')	3.57	0.332	833	<0.346	2.06	0.837	0.007	<1.50	---	---	---	---
	04/17/07		12C (2' - 3')	2.04	<0.099	33.8	0.180	7.93	4.47	<0.015	1.72	---	---	---	---
	04/17/07		12C-1 (2' - 3')	2.34	<0.099	38.5	0.205	8.98	4.74	<0.014	1.61	---	---	---	---
	10/16/07		12C (2' - 3')	1.87	<0.099	86.4	0.101	6.77	3.28	<0.016	0.634	---	---	---	---
	03/20/08		12C (2' - 3')	1.39	<0.105	36.6	<0.105	6.06	3.32	<0.016	0.83	---	---	---	---
	03/20/08		12C-1 (2' - 3')	1.88	<0.099	102	0.154	5.84	3.26	<0.016	0.74	---	---	---	---
	10/06/08		12C (2' - 3')	<5.00	<2.00	21.8	<2.50	7.25	<6.00	<0.013	<5.00	---	---	---	---
	10/06/08		12C-1 (2' - 3')	9.95	17.5	24.9	<2.50	15.7	9.20	<0.013	<5.00	---	---	---	---
	10/01/09		12C (2' - 3')	1.21	<1.0	44.4	0.257	5.10	2.07	<0.1	0.240	2.40	4,160	47.2	15.7
04/07/10	12C (2' - 3')		0.87	<0.25	27.8	0.195	4.23	3.32	<0.1	<0.5	1.97	3,980	48.7	6.61	
11/03/10	12C (3')		1.17	0.049	30.0	0.22	3.45	3.38	0.007	0.230	2.14	5,090	56.5	11.4	
10/18/11	12C (3')	1.34	0.043	35.0	0.280	5.40	3.08	<0.100	<1.0	2.98	5,380	59.1	14.2		
10/30/12	12C (3')	1.51	<0.100	37.3	0.339	5.21	3.88	<0.098	<1.0	2.90	6,610	82.4	16.3		
Background Screening Value:				3.84	0.273	507	0.341	13.4	7.20	0.156	1.81	---	---	---	---

Table 3
Summary of Major Ion Concentrations - Soil Analytical Results

Cell No.	Sample Date	Sample Zone	Sample ID (Depth)	Cations (mg/kg)					Anions (mg/kg)		
				T-Alk	Ca	Mg	K	Na	Cl	SO ₄	HCO ₃
7B	11/29/04	Background	Facility (2' -3')	1,340	220,000	2,240	274	2,060	<20	<2.5	---
1A	04/12/07	Background	SS-1A (2' -3')	76.1	1,650	2,300	2,980	30.5	<4.98	<9.96	---
	10/24/06	Vadose	1-A-1 (3' -4')	50	135	29.8	6.12	11.3	211	17.1	---
	10/24/06		1-A-2 (3' -4')	160	66.1	59.2	119	8.05	38.1	30.8	---
	04/10/07		1A (2' -3')	72.5	2,070	2,200	2,690	163	<4.92	42.4	---
	04/12/07		1A-1 (2' -3')	165	2,200	1,250	1,270	256	320	51.3	---
	10/15/07		1A (2' -3')	237	593	617	937	120	<5.33	<10.7	<53.7
	10/15/07		1A-1 (2' -3')	119	1,170	1,840	2,380	106	<5.57	153	<55.5
	03/20/08		1A (2' -3')	170	1,430	2,120	3,670	212	<5.59	<11.2	<56.9
	03/20/08		1A-1 (2' -3')	74.9	530	789	1,140	132	<5.13	27.3	<52.4
	04/07/10		1A (2' -3')	144	390	443	660	155	<16	<40	176
	11/03/10		1A (3')	208	895	1,220	1,620	460	24	1,160	254
	10/18/11		1A (3')	132	1,070	1,520	1,930	482	240	8	161
	10/30/12		1A (3')	16	462	645	886	281	336	138	20
1B	04/12/07	Background	SS-1B (2' -3')	89.1	1,570	2,140	2,950	30.2	<4.96	<9.92	---
	10/24/06	Vadose	1-B-1 (3' -4')	80	72.9	16.9	3.57	3.75	140	16.8	---
	10/24/06		1-B-2 (3' -4')	60	59.7	102	171	5.88	18.3	16.5	---
	04/10/07		1B (2' -3')	140	1,160	1,270	1,720	36.6	21.0	26.5	---
	04/12/07		1B-1 (2' -3')	122	1,500	784	1,220	19.6	<4.98	<9.96	---
	10/15/07		1B (2' -3')	57	824	1,120	1,660	17.0	<5.34	13.7	<53.1
	03/20/08		1B (2' -3')	55.4	552	612	1,080	58	<5.17	13.7	<52.8
	03/20/08		1B-1 (2' -3')	85.8	581	913	1,520	212	<5.53	11.5	<55.7
	04/07/10		1B (2' -3')	80	500	433	700	54.3	<16	<40	98
	04/07/10		1B-1 (1.5')	416	32,500	1590	939	157	48	307	508
	11/03/10		1B (3')	20	1,920	1,870	2,060	<50	<4	39	24
	11/03/10		1B-1 (3')	104	3,190	1,540	1,780	<50	100	73	127
	10/18/11		1B (3')	32	6,580	3,200	1,390	348	128	85	39
	10/18/11		1B-1 (3')	200	10,600	631	807	135	4	708	244
	10/30/12		1B (3')	148	714	551	907	<100	16	36	181
	10/30/12		1B-1 (3')	244	1,600	1,660	1,710	<100	12	17	298
1C	04/12/07	Background	SS-1C (2' -3')	166	2,290	1,720	1,740	19.2	<4.93	<9.86	<49.8
	10/01/09	Vadose	1C (2' -3')	40.0	96.2	24.3	19.2	<5	180	<50	49
	04/07/10		1C (2' -3')	160	<50	1,560	1,880	<50	96	<40	195
	11/03/10		1C (3')	48	761	745	1,210	<50.0	<4	51	59
	10/18/11		1C (3')	72	1,070	1,060	999	<100	4	<25	88
	10/30/12		1C (3')	76	1,790	1,860	2,050	<100	<4	<15.6	93
2A	01/07/08	Background	2A (2' -3')	70.0	486	389	643	<11.5	<5.01	10.1	<50.4
2B	01/07/08	Background	2B (2' -3')	<58.9	562	6,536	1,090	<13.6	<5.95	<11.9	<58.9
2C	01/07/08	Background	2C (2' -3')	63.0	1,080	1,460	2,110	16.0	<5.43	<10.9	<54.8
10A	01/07/08	Background	10A (2' -3')	53.9	827	932	1380	<12.5	<5.24	<140.5	<52.4
10B	01/07/08	Background	10B (2' -3')	<52.1	533	602	968	<12.5	<5.21	<10.4	<52.1
	10/01/09	Vadose	10B (2' -3')	24	40.1	24.3	17.3	<5	<80	129	29
	10/01/09		10B-1 (2' -3')	44	60.1	24.3	20.8	<5	<80	<125	54
	04/07/10		10B (2' -3')	80	870	691	962	<50	16	<40	98
	04/07/10		10B-1 (2' -3')	144	1,060	832	1,050	<50	16	<40	176
	11/03/10		10B (3')	112	1,860	1,010	1,210	<50	<4	<10	137
	11/03/10		10B-1 (3')	107	4,600	875	1,100	<50	<4	<10	88
	10/18/11		10B (3')	96	5,400	1,060	1,160	<100	4	23	117
	10/18/11		10B-1 (3')	124	11,100	1,520	1,630	121	8	93	151
	10/30/12		10B (3')	44	807	881	1,040	<100	<4	<10	54
	10/30/12		10B-1 (3')	100	2,400	1,340	1,490	<100	144	<10	122

Table 3
Summary of Major Ion Concentrations - Soil Analytical Results

Cell No.	Sample Date	Sample Zone	Sample ID (Depth)	Cations (mg/kg)					Anions (mg/kg)		
				T-Alk	Ca	Mg	K	Na	Cl	SO ₄	HCO ₃
10C	01/07/08	Background	10C (2' -3')	<51.0	513	554	898	<12.6	<5.13	<10.3	<51.0
	10/07/08	Vadose	10-C (2' -3')	600	322	440	839	16.9	60.4	31.0	---
	10/01/09		10C (2' -3')	112	60.1	24.3	7.7	<5	<80	<125	137
	10/01/09		10C-1 (2' -3')	250	64.1	19.4	6.5	20	<80	<50	305
	04/07/10		10C (2' -3')	64	1,370	1,220	1,440	<50	16	46	78
	04/07/10		10C-1 (2' -3')	256	2,250	1,030	1,230	<50	32	156	312
	11/03/10		10C (3')	32	987	1,030	1,360	<50	<4	26	39
	11/03/10		10C-1 (3')	64	574	597	868	<25	<4	<10	78
	10/18/11		10C (3')	88	14,300	3,190	3,190	<100	4	17	107
	10/18/11		10C-1 (3')	44	16,800	3,030	2,880	<100	4	<10	54
	10/30/12		10C (3')	112	2,990	2,800	3,150	<100	<4	45	137
	10/30/12		10C-1 (3')	72	1,370	1,330	1,450	<100	<4	19	88
11A	01/07/08	Background	11A (2' -3')	56.0	642	658	1,030	<12.7	<5.17	<10.3	56.0
	10/06/08	Vadose	11A (2' -3')	60.0	129	197	350	3.13	<5.00	<5.00	---
	10/01/09		11A (2' -3')	140	64.1	14.6	15.6	122	60	270	171
	04/07/10		11A (2' -3')	240	9,830	1,710	2,070	256	224	464	293
	11/03/10		11A (3')	12	1,420	1,290	1,760	102	16	177	12
	10/18/11		11A (3')	32	57,100	1,640	1,400	<100	4	72	39
	10/30/12		11A (3')	112	555	533	824	<100	<4	<100	137
11B	01/07/08	Background	11B (2' -3')	<51.6	482	494	809	<12.6	<5.14	<10.3	<51.6
	03/20/08	Vadose	11B (2' -3')	152	1,380	1,390	1,940	<12.1	<5.39	<10.8	<54.1
	03/20/08		11B-1 (2' -3')	67.8	1,090	1,300	1,630	<12.5	<5.35	<10.7	<53.4
	10/06/08		11B (2' -3')	800	56.2	43.8	79.9	12.7	52.1	24.3	---
	10/06/08		11B-1 (2' -3')	80.0	185	27.3	22.6	62.0	473	121	---
	10/01/09		11B (2' -3')	200	60.1	24.3	13.8	<5	40	<125	244
	10/01/09		11B-1 (2' -3')	60	96.2	24.3	15.3	55	260	51	74
	04/07/10		11B (2' -3')	176	831	515	796	<50	32	<40	215
	04/07/10		11B-1 (2' -3')	224	1,880	1,470	1,780	<50	192	<40	273
	11/03/10		11B (3')	52	1,810	1,690	2,260	79.8	<4	35	63
	11/03/10		11B-1 (3')	16	637	596	928	90.6	76	101	20
	10/18/11		11B (3')	88	133,000	2,590	1,550	104	304	181	107
	10/18/11		11B-1 (3')	80	44,500	1,830	1,660	<100	368	132	98
	10/30/12		11B (3')	44	1,200	1,190	1,450	125	160	174	54
	10/30/12		11B-1 (3')	96	1,270	1,310	1,360	<100	176	34	117
11C	10/15/07	Background	SS-11C (2' -3')	318	170,000	2,160	1,090	73	<5.64	41.4	<56.6
	10/15/07	Vadose	11C (2' -3')	363	12,400	1,200	1,520	24.8	<5.47	25.5	<54.7
	03/20/08		11C (2' -3')	1,430	283,000	1,510	376	52.4	<6.05	30.8	<61.0
	03/20/08		11C-1 (2' -3')	82.4	1,390	1,600	3,030	12.9	<5.65	<11.3	<56.8
	10/06/08		11C (2' -3')	280	428	31.6	32.0	1.54	<10.0	30.3	---
	10/01/09		11C (2' -3')	36	60.1	48.6	57.0	<5	<80	<125	44
	04/07/10		11C (2' -3')	128	1,330	1,000	1,380	<50	<16	<40	156
	11/03/10		11C (3')	80	5,810	1,240	1,460	<50	8	82	98
	10/18/11		11C (3')	104	12,800	1,150	1,390	<100	32	18	127
	10/30/12		11C (3')	124	1,400	915	1,180	<100	<4	19	151

Table 3
Summary of Major Ion Concentrations - Soil Analytical Results

Cell No.	Sample Date	Sample Zone	Sample ID (Depth)	Cations (mg/kg)					Anions (mg/kg)		
				T-Alk	Ca	Mg	K	Na	Cl	SO ₄	HCO ₃
12A	04/12/07	Background	SS-12A (2' -3')	163	1,980	2,030	2,210	23	<4.97	<9.94	<50
	04/12/07	Vadose	12A (2' -3')	884	314,000	2560	629	89.7	<4.97	<9.94	---
	10/16/07		12A (2' -3')	94	1,030	1,300	1,810	18.2	<5.38	<10.8	<54.0
	10/16/07		12A-1 (2' -3')	124	898	1,120	1,700	45.3	<5.29	13.30	<53.9
	03/20/08		12A (2' -3')	59.8	1,130	1,410	2,170	40.60	<5.40	127	<53.9
	10/06/08		12A (2' -3')	450	39.7	32.0	38.0	7.52	<10.0	69.0	---
	10/01/09		12A (2' -3')	28	120	97.2	22.5	<5	<80	<250	34
	10/01/09		12A-1 (2' -3')	32	120	48.6	35.4	<5	<80	<125	39
	04/07/10		12A (2' -3')	80	1,930	1,850	2,040	<50	<16	59	98
	04/07/10		12A-1 (2' -3')	256	2,650	2,190	2,810	53.4	16	146	312
	11/03/10		12A (3')	64	3,170	2,290	2,910	<50	4	127	78
	11/03/10		12A-1 (3')	76	3,110	1,400	1,930	<50	<4	55	93
	10/18/11		12A (3')	56	2,380	2,300	2,550	<100	4	<10	68
	10/18/11		12A-1 (3')	100	58,500	1,810	2,040	<100	4	61	122
	10/30/12		12A (3')	36	1,040	1,020	1,400	<100	<4	23	44
	10/30/12		12A-1 (3')	52	1,850	1,650	2,130	171	<4	143	49
12B	01/07/08	Background	SS-12B (2' -3')	700	256,000	3,330	1,320	91	<4.88	23	<49.8
	03/02/06	Vadose	SS-B (2' -3')	112	949	164	186	857	4.98	<0.5	---
	03/02/06		SS-C (2' -3')	112	1,290	210	219	996	42.8	23.3	---
	10/25/06		12B-1 (3' -4')	290	78.7	6.53	2.10	3.13	60.0	59.7	---
	10/25/06		12B-2 (3' -4')	410	154	12.3	3.11	7.68	151	36.4	---
	04/12/07		12B (2' -3')	914	120,000	1,860	1,080	63.0	21.2	46.8	---
	10/16/07		12B (2' -3')	452	125,000	1,760	1,570	67.7	<5.65	49.9	<57.4
	03/20/08		12B (2' -3')	<54.7	1,510	1,620	2,160	61.4	171	19.2	<54.7
	10/06/08		12B (2' -3')	800	165	238	401	38.8	30.7	7.13	---
	10/01/09		12B (2' -3')	40	80.2	36.4	<5	<5	<80	<125	32
	04/07/10		12B (2' -3')	464	541	1,430	1,530	547	96	<40	566
	11/03/10		12B (3')	152	10,000	1,100	1,470	157	20	<10	185
	10/18/11		12B (3')	232	587	1,700	1,910	316	12	583	283
	10/30/12		12B (3')	108	1,330	1,310	1,790	125	12	54	132
12C	04/12/07	Background	SS-12C (2' -3')	506	53,400	1,170	1,280	29.9	<4.97	<9.94	<49.8
	03/02/06	Vadose	SS-D (2' -3')	112	1,250	204	186	844	4.92	12.2	---
	03/02/06		SS-E (2' -3')	112	1,410	187	173	697	15.2	16.7	---
	10/25/06		12C-1 (3' -4')	1,900	126	7.75	1.92	2.97	15.0	81.9	---
	10/25/06		12C-2 (3' -4')	670	105	8.53	1.00	3.17	27.6	58.5	---
	04/17/07		12C (2' -3')	118	1,060	1,200	1,590	35.5	<4.96	<9.92	---
	04/17/07		12C-1 (2' -3')	127	1,460	1,540	1,700	22.4	<4.98	<9.95	---
	10/16/07		12C (2' -3')	2,110	78,100	1,310	1,400	72.8	<5.57	33.5	<56.3
	03/20/08		12C (2' -3')	311	12,500	798	1,150	19.6	<5.22	20.3	<52.5
	03/20/08		12C-1 (2' -3')	900	76.1	113	196	16.3	<5.00	8.77	<55.6
	10/06/08		12C (2' -3')	477	23,000	1,590	1,200	47.0	<5.42	<10.8	---
	10/06/08		12C-1 (2' -3')	900	200	71.5	98.3	3.85	<5.00	<5.00	---
	10/01/09		12C (2' -3')	112	128	43.7	5.7	<5	<80	<50	104
	04/07/10		12C (2' -3')	352	1,650	599	800	<50	<16	<40	366
	11/03/10		12C (3')	72	1,950	708	1,060	<50	<4	13	88
	10/18/11		12C (3')	108	6,490	957	1,230	<100	4	83	132
	10/30/12		12C (3')	76	1,230	1,220	1,500	<100	<4	13	93

APPENDIX A

Laboratory Analytical Reports and Chains of Custody

March 21, 2012

CAROLYN DORAN HAYNES

JOHN H. HENDRIX CORPORATION

P. O. BOX 3040

MIDLAND, TX 79702

RE: JHHC SWMF NM-02-0021

Enclosed are the results of analyses for samples received by the laboratory on 03/15/12 9:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 CAROLYN DORAN HAYNES
 P. O. BOX 3040
 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW,		

Sample ID: 1A (1') (H200648-01)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2012	ND	2.00	100	2.00	0.290	
Toluene*	<0.050	0.050	03/15/2012	ND	2.20	110	2.00	0.557	
Ethylbenzene*	<0.050	0.050	03/15/2012	ND	2.27	114	2.00	0.878	
Total Xylenes*	<0.150	0.150	03/15/2012	ND	7.13	119	6.00	1.64	

Surrogate: 4-Bromofluorobenzene (PIL) 113% 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12.5	4.00	03/15/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2012	ND	211	106	200	14.3	
DRO >C10-C28	<10.0	10.0	03/15/2012	ND	171	85.5	200	8.92	

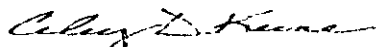
Surrogate: 1-Chlorooctane 96.0% 55.5-154

Surrogate: 1-Chlorooctadecane 109% 57.6-158

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 CAROLYN DORAN HAYNES
 P. O. BOX 3040
 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 1A (3') (H200648-02)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2012	ND	2.00	100	2.00	0.290	
Toluene*	<0.050	0.050	03/15/2012	ND	2.20	110	2.00	0.557	
Ethylbenzene*	<0.050	0.050	03/15/2012	ND	2.27	114	2.00	0.878	
Total Xylenes*	<0.150	0.150	03/15/2012	ND	7.13	119	6.00	1.64	

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9.09	4.00	03/15/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2012	ND	211	106	200	14.3	
DRO >C10-C28	<10.0	10.0	03/15/2012	ND	171	85.5	200	8.92	

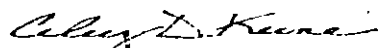
Surrogate: 1-Chlorooctane 120 % 55.5-154

Surrogate: 1-Chlorooctadecane 125 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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P. O. BOX 3040
MIDLAND TX, 79702
Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 1A-1 (1') (H200648-03)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2012	ND	2.00	100	2.00	0.290	
Toluene*	<0.050	0.050	03/15/2012	ND	2.20	110	2.00	0.557	
Ethylbenzene*	<0.050	0.050	03/15/2012	ND	2.27	114	2.00	0.878	
Total Xylenes*	<0.150	0.150	03/15/2012	ND	7.13	119	6.00	1.64	

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	100	4.00	03/15/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2012	ND	211	106	200	14.3	
DRO >C10-C28	<10.0	10.0	03/15/2012	ND	171	85.5	200	8.92	

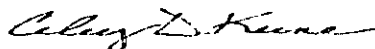
Surrogate: 1-Chlorooctane 109 % 55.5-154

Surrogate: 1-Chlorooctadecane 119 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 1A -1 (3') (H200648-04)

BTX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/15/2012	ND	2.00	100	2.00	0.290		
Toluene*	<0.050	0.050	03/15/2012	ND	2.20	110	2.00	0.557		
Ethylbenzene*	<0.050	0.050	03/15/2012	ND	2.27	114	2.00	0.878		
Total Xylenes*	<0.150	0.150	03/15/2012	ND	7.13	119	6.00	1.64		

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 64.4-134

Surrogate, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12.2	4.00	03/15/2012	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2012	ND	211	106	200	14.3	
DRO >C10-C28	<10.0	10.0	03/15/2012	ND	171	85.5	200	8.92	

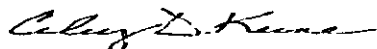
Surrogate: 1-Chlorooctane 110 % 55.5-154

Surrogate: 1-Chlorooctadecane 122 % 57.6-158

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

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 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 1B (1') (H200648-05)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2012	ND	2.00	100	2.00	0.290	
Toluene*	<0.050	0.050	03/15/2012	ND	2.20	110	2.00	0.557	
Ethylbenzene*	<0.050	0.050	03/15/2012	ND	2.27	114	2.00	0.878	
Total Xylenes*	<0.150	0.150	03/15/2012	ND	7.13	119	6.00	1.64	

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	79.1	4.00	03/15/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2012	ND	211	106	200	14.3	
DRO >C10-C28	15.0	10.0	03/15/2012	ND	171	85.5	200	8.92	

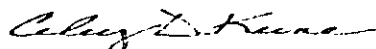
Surrogate: 1-Chlorooctane 108 % 55.5-154

Surrogate: 1-Chlorooctadecane 113 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 CAROLYN DORAN HAYNES
 P. O. BOX 3040
 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 1B (3') (H200648-06)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2012	ND	2.00	100	2.00	0.290	
Toluene*	<0.050	0.050	03/15/2012	ND	2.20	110	2.00	0.557	
Ethylbenzene*	<0.050	0.050	03/15/2012	ND	2.27	114	2.00	0.878	
Total Xylenes*	<0.150	0.150	03/15/2012	ND	7.13	119	6.00	1.64	

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	104	4.00	03/15/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2012	ND	211	106	200	14.3	
DRO >C10-C28	<10.0	10.0	03/15/2012	ND	171	85.5	200	8.92	

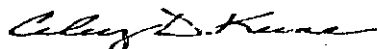
Surrogate: 1-Chlorooctane 116 % 55.5-154

Surrogate: 1-Chlorooctadecane 121 % 57.6-158

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Analytical Results For:

 JOHN H. HENDRIX CORPORATION
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 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 1C (1') (H200648-07)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2012	ND	2.00	100	2.00	0.290	
Toluene*	<0.050	0.050	03/15/2012	ND	2.20	110	2.00	0.557	
Ethylbenzene*	<0.050	0.050	03/15/2012	ND	2.27	114	2.00	0.878	
Total Xylenes*	<0.150	0.150	03/15/2012	ND	7.13	119	6.00	1.64	

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4.00	4.00	03/15/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2012	ND	211	106	200	14.3	
DRO >C10-C28	<10.0	10.0	03/15/2012	ND	171	85.5	200	8.92	

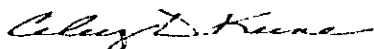
Surrogate: 1-Chlorooctane 105 % 55.5-154

Surrogate: 1-Chlorooctadecane 114 % 57.6-158

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Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 1C (3') (H200648-08)

BTX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2012	ND	2.00	100	2.00	0.290	
Toluene*	<0.050	0.050	03/15/2012	ND	2.20	110	2.00	0.557	
Ethylbenzene*	<0.050	0.050	03/15/2012	ND	2.27	114	2.00	0.878	
Total Xylenes*	<0.150	0.150	03/15/2012	ND	7.13	119	6.00	1.64	

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 64.4-134

Surrogate, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	59.6	4.00	03/15/2012	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2012	ND	211	106	200	14.3	
DRO >C10-C28	10.2	10.0	03/15/2012	ND	171	85.5	200	8.92	

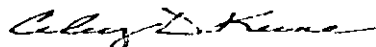
Surrogate: 1-Chlorooctane 110 % 55.5-154

Surrogate: 1-Chlorooctadecane 115 % 57.6-158

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Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 10B (1') (H200648-09)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2012	ND	2.00	100	2.00	0.290	
Toluene*	<0.050	0.050	03/15/2012	ND	2.20	110	2.00	0.557	
Ethylbenzene*	<0.050	0.050	03/15/2012	ND	2.27	114	2.00	0.878	
Total Xylenes*	<0.150	0.150	03/15/2012	ND	7.13	119	6.00	1.64	

Surrogate: 4-Bromofluorobenzene (PIL) 114 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24.0	4.00	03/15/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	211	106	200	14.3	
DRO >C10-C28	125	10.0	03/16/2012	ND	171	85.5	200	8.92	

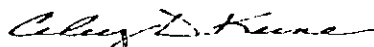
Surrogate: 1-Chlorooctane 103 % 55.5-154

Surrogate: 1-Chlorooctadecane 97.0 % 57.6-158

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 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 10B (3') (H200648-10)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2012	ND	2.00	100	2.00	0.290	
Toluene*	<0.050	0.050	03/15/2012	ND	2.20	110	2.00	0.557	
Ethylbenzene*	<0.050	0.050	03/15/2012	ND	2.27	114	2.00	0.878	
Total Xylenes*	<0.150	0.150	03/15/2012	ND	7.13	119	6.00	1.64	

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 64.4-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4.00	4.00	03/15/2012	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2012	ND	211	106	200	14.3	
DRO >C10-C28	<10.0	10.0	03/15/2012	ND	171	85.5	200	8.92	

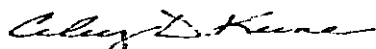
Surrogate: 1-Chlorooctane 114 % 55.5-154

Surrogate: 1-Chlorooctadecane 120 % 57.6-158

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Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 10B-1 (1') (H200648-11)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2012	ND	2.00	100	2.00	0.290	
Toluene*	<0.050	0.050	03/15/2012	ND	2.20	110	2.00	0.557	
Ethylbenzene*	<0.050	0.050	03/15/2012	ND	2.27	114	2.00	0.878	
Total Xylenes*	<0.150	0.150	03/15/2012	ND	7.13	119	6.00	1.64	

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	351	4.00	03/15/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	03/16/2012	ND	211	106	200	14.3	
DRO >C10-C28	4750	100	03/16/2012	ND	171	85.5	200	8.92	

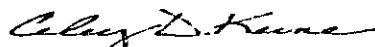
Surrogate: 1-Chlorooctane 108 % 55.5-154

Surrogate: 1-Chlorooctadecane 128 % 57.6-158

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 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 10B-1 (3') (H200648-12)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2012	ND	2.00	100	2.00	0.290	
Toluene*	<0.050	0.050	03/15/2012	ND	2.20	110	2.00	0.557	
Ethylbenzene*	<0.050	0.050	03/15/2012	ND	2.27	114	2.00	0.878	
Total Xylenes*	<0.150	0.150	03/15/2012	ND	7.13	119	6.00	1.64	

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8.00	4.00	03/15/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2012	ND	211	106	200	14.3	
DRO >C10-C28	<10.0	10.0	03/15/2012	ND	171	85.5	200	8.92	

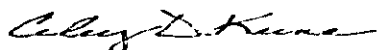
Surrogate: 1-Chlorooctane 108 % 55.5-154

Surrogate: 1-Chlorooctadecane 117 % 57.6-158

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Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 10C (1') (H200648-13)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2012	ND	2.00	100	2.00	0.290	
Toluene*	<0.050	0.050	03/15/2012	ND	2.20	110	2.00	0.557	
Ethylbenzene*	<0.050	0.050	03/15/2012	ND	2.27	114	2.00	0.878	
Total Xylenes*	<0.150	0.150	03/15/2012	ND	7.13	119	6.00	1.64	

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.7	4.00	03/15/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	03/16/2012	ND	211	106	200	14.3	
DRO >C10-C28	3080	100	03/16/2012	ND	171	85.5	200	8.92	

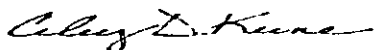
Surrogate: 1-Chlorooctane 87.2 % 55.5-154

Surrogate: 1-Chlorooctadecane 130 % 57.6-158

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Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 10C (3') (H200648-14)

BTX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/15/2012	ND	2.00	100	2.00	0.290		
Toluene*	<0.050	0.050	03/15/2012	ND	2.20	110	2.00	0.557		
Ethylbenzene*	<0.050	0.050	03/15/2012	ND	2.27	114	2.00	0.878		
Total Xylenes*	<0.150	0.150	03/15/2012	ND	7.13	119	6.00	1.64		

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4.08	4.00	03/15/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/16/2012	ND	211	106	200	14.3		
DRO >C10-C28	<10.0	10.0	03/16/2012	ND	171	85.5	200	8.92		

Surrogate: 1-Chlorooctane 88.9 % 55.5-154

Surrogate: 1-Chlorooctadecane 103 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 CAROLYN DORAN HAYNES
 P. O. BOX 3040
 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 10C-1 (1') (H200648-15)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2012	ND	2.00	100	2.00	0.290	
Toluene*	<0.050	0.050	03/15/2012	ND	2.20	110	2.00	0.557	
Ethylbenzene*	<0.050	0.050	03/15/2012	ND	2.27	114	2.00	0.878	
Total Xylenes*	<0.150	0.150	03/15/2012	ND	7.13	119	6.00	1.64	

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8.00	4.00	03/15/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	211	106	200	14.3	
DRO >C10-C28	86.0	10.0	03/16/2012	ND	171	85.5	200	8.92	

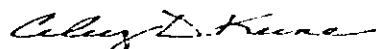
Surrogate: 1-Chlorooctane 94.9 % 55.5-154

Surrogate: 1-Chlorooctadecane 104 % 57.6-158

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 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 10C-1 (3') (H200648-16)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2012	ND	2.00	100	2.00	0.290	
Toluene*	<0.050	0.050	03/16/2012	ND	2.20	110	2.00	0.557	
Ethylbenzene*	<0.050	0.050	03/16/2012	ND	2.27	114	2.00	0.878	
Total Xylenes*	<0.150	0.150	03/16/2012	ND	7.13	119	6.00	1.64	

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4.88	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	211	106	200	14.3	
DRO >C10-C28	<10.0	10.0	03/16/2012	ND	171	85.5	200	8.92	

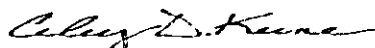
Surrogate: 1-Chlorooctane 105 % 55.5-154

Surrogate: 1-Chlorooctadecane 116 % 57.6-158

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 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 11A (1') (H200648-17)

BTEx 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/16/2012	ND	1.87	93.7	2.00	2.34		
Toluene*	<0.050	0.050	03/16/2012	ND	2.06	103	2.00	3.28		
Ethylbenzene*	<0.050	0.050	03/16/2012	ND	2.13	106	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/16/2012	ND	6.65	111	6.00	3.85		

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<4.00	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	211	106	200	14.3	
DRO >C10-C28	36.8	10.0	03/16/2012	ND	171	85.5	200	8.92	

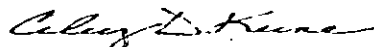
Surrogate: 1-Chlorooctane 112 % 55.5-154

Surrogate: 1-Chlorooctadecane 118 % 57.6-158

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 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 11A (3') (H200648-18)

BTEX 8021B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2012	ND	1.87	93.7	2.00	2.34	
Toluene*	<0.050	0.050	03/16/2012	ND	2.06	103	2.00	3.28	
Ethylbenzene*	<0.050	0.050	03/16/2012	ND	2.13	106	2.00	3.37	
Total Xylenes*	<0.150	0.150	03/16/2012	ND	6.65	111	6.00	3.85	

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 64.4-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12.2	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	211	106	200	14.3	
DRO >C10-C28	<10.0	10.0	03/16/2012	ND	171	85.5	200	8.92	

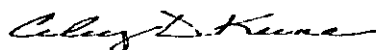
Surrogate: 1-Chlorooctane 115 % 55.5-154

Surrogate: 1-Chlorooctadecane 123 % 57.6-158

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Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 11B (1') (H200648-19)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2012	ND	1.87	93.7	2.00	2.34	
Toluene*	<0.050	0.050	03/16/2012	ND	2.06	103	2.00	3.28	
Ethylbenzene*	<0.050	0.050	03/16/2012	ND	2.13	106	2.00	3.37	
Total Xylenes*	<0.150	0.150	03/16/2012	ND	6.65	111	6.00	3.85	

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	36.0	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	211	106	200	14.3	
DRO >C10-C28	14.6	10.0	03/16/2012	ND	171	85.5	200	8.92	

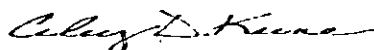
Surrogate: 1-Chlorooctane 126 % 55.5-154

Surrogate: 1-Chlorooctadecane 132 % 57.6-158

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Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 11B (3') (H200648-20)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2012	ND	1.87	93.7	2.00	2.34	
Toluene*	<0.050	0.050	03/16/2012	ND	2.06	103	2.00	3.28	
Ethylbenzene*	<0.050	0.050	03/16/2012	ND	2.13	106	2.00	3.37	
Total Xylenes*	<0.150	0.150	03/16/2012	ND	6.65	111	6.00	3.85	

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	211	106	200	14.3	
DRO >C10-C28	<10.0	10.0	03/16/2012	ND	171	85.5	200	8.92	

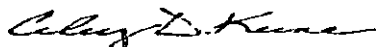
Surrogate: 1-Chlorooctane 106 % 55.5-154

Surrogate: 1-Chlorooctadecane 120 % 57.6-158

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 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 11B-1 (1') (H200648-21)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2012	ND	1.87	93.7	2.00	2.34	
Toluene*	<0.050	0.050	03/16/2012	ND	2.06	103	2.00	3.28	
Ethylbenzene*	<0.050	0.050	03/16/2012	ND	2.13	106	2.00	3.37	
Total Xylenes*	<0.150	0.150	03/16/2012	ND	6.65	111	6.00	3.85	

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24.0	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	224	112	200	3.62	
DRO >C10-C28	<10.0	10.0	03/16/2012	ND	179	89.4	200	0.838	

Surrogate: 1-Chlorooctane 113 % 55.5-154

Surrogate: 1-Chlorooctadecane 123 % 57.6-158

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Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 11B-1 (3') (H200648-22)

BTX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/16/2012	ND	1.87	93.7	2.00	2.34		
Toluene*	<0.050	0.050	03/16/2012	ND	2.06	103	2.00	3.28		
Ethylbenzene*	<0.050	0.050	03/16/2012	ND	2.13	106	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/16/2012	ND	6.65	111	6.00	3.85		

Surrogate: 4-Bromofluorobenzene (PHE) 117 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20.0	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	224	112	200	3.62	
DRO >C10-C28	<10.0	10.0	03/16/2012	ND	179	89.4	200	0.838	

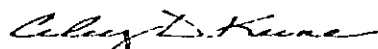
Surrogate: 1-Chlorooctane 114 % 55.5-154

Surrogate: 1-Chlorooctadecane 122 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 CAROLYN DORAN HAYNES
 P. O. BOX 3040
 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 11C (1') (H200648-23)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2012	ND	1.87	93.7	2.00	2.34	
Toluene*	<0.050	0.050	03/16/2012	ND	2.06	103	2.00	3.28	
Ethylbenzene*	<0.050	0.050	03/16/2012	ND	2.13	106	2.00	3.37	
Total Xylenes*	<0.150	0.150	03/16/2012	ND	6.65	111	6.00	3.85	

Surrogate: 4-Bromofluorobenzene (PIL) 114 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8.00	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	224	112	200	3.62	
DRO >C10-C28	<10.0	10.0	03/16/2012	ND	179	89.4	200	0.838	

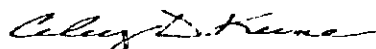
Surrogate: 1-Chlorooctane 108 % 55.5-154

Surrogate: 1-Chlorooctadecane 117 % 57.6-158

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Analytical Results For:

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 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 11C (3') (H200648-24)

BTX 8021B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2012	ND	1.87	93.7	2.00	2.34	
Toluene*	<0.050	0.050	03/16/2012	ND	2.06	103	2.00	3.28	
Ethylbenzene*	<0.050	0.050	03/16/2012	ND	2.13	106	2.00	3.37	
Total Xylenes*	<0.150	0.150	03/16/2012	ND	6.65	111	6.00	3.85	

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 64.4-134

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21.7	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	224	112	200	3.62	
DRO >C10-C28	<10.0	10.0	03/16/2012	ND	179	89.4	200	0.838	

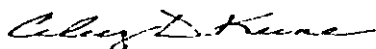
Surrogate: 1-Chlorooctane 91.3 % 55.5-154

Surrogate: 1-Chlorooctadecane 108 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 12A (1') (H200648-25)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2012	ND	1.87	93.7	2.00	2.34	
Toluene*	<0.050	0.050	03/16/2012	ND	2.06	103	2.00	3.28	
Ethylbenzene*	<0.050	0.050	03/16/2012	ND	2.13	106	2.00	3.37	
Total Xylenes*	<0.150	0.150	03/16/2012	ND	6.65	111	6.00	3.85	

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<4.00	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	224	112	200	3.62	
DRO >C10-C28	14.7	10.0	03/16/2012	ND	179	89.4	200	0.838	

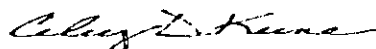
Surrogate: 1-Chlorooctane 86.6 % 55.5-154

Surrogate: 1-Chlorooctadecane 96.8 % 57.6-158

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Analytical Results For:

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 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 12A (3') (H200648-26)

BTEX 8021B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2012	ND	1.87	93.7	2.00	2.34	
Toluene*	<0.050	0.050	03/16/2012	ND	2.06	103	2.00	3.28	
Ethylbenzene*	<0.050	0.050	03/16/2012	ND	2.13	106	2.00	3.37	
Total Xylenes*	<0.150	0.150	03/16/2012	ND	6.65	111	6.00	3.85	

Surrogate: 4-Bromofluorobenzene (PII) 107 % 64.4-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4.35	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	224	112	200	3.62	
DRO >C10-C28	<10.0	10.0	03/16/2012	ND	179	89.4	200	0.838	

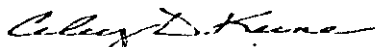
Surrogate: 1-Chlorooctane 105 % 55.5-154

Surrogate: 1-Chlorooctadecane 114 % 57.6-158

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Analytical Results For:

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 P. O. BOX 3040
 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 12B (1') (H200648-27)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2012	ND	2.00	99.8	2.00	2.45	
Toluene*	<0.050	0.050	03/20/2012	ND	2.12	106	2.00	2.52	
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77	
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69	

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4.35	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	224	112	200	3.62	
DRO >C10-C28	<10.0	10.0	03/16/2012	ND	179	89.4	200	0.838	

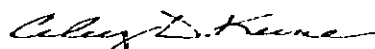
Surrogate: 1-Chlorooctane 86.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 97.9 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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 P. O. BOX 3040
 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 12B (3') (H200648-28)

BTX 8021B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2012	ND	2.00	99.8	2.00	2.45	
Toluene*	<0.050	0.050	03/20/2012	ND	2.12	106	2.00	2.52	
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77	
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69	

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 64.4-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4.25	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	224	112	200	3.62	
DRO >C10-C28	<10.0	10.0	03/16/2012	ND	179	89.4	200	0.838	

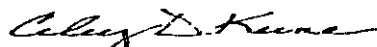
Surrogate: 1-Chlorooctane 94.8 % 55.5-154

Surrogate: 1-Chlorooctadecane 104 % 57.6-158

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 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 12B-1 (1') (H200648-29)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2012	ND	2.00	99.8	2.00	2.45	
Toluene*	<0.050	0.050	03/20/2012	ND	2.12	106	2.00	2.52	
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77	
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69	

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	55.3	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	224	112	200	3.62	
DRO >C10-C28	64.4	10.0	03/16/2012	ND	179	89.4	200	0.838	

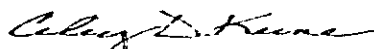
Surrogate: 1-Chlorooctane 98.5 % 55.5-154

Surrogate: 1-Chlorooctadecane 110 % 57.6-158

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MIDLAND TX, 79702
Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 12B-1 (3') (H200648-30)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2012	ND	2.00	99.8	2.00	2.45	
Toluene*	<0.050	0.050	03/20/2012	ND	2.12	106	2.00	2.52	
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77	
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69	

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	68.1	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	224	112	200	3.62	
DRO >C10-C28	<10.0	10.0	03/16/2012	ND	179	89.4	200	0.838	

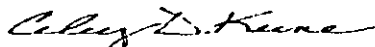
Surrogate: 1-Chlorooctane 112 % 55.5-154

Surrogate: 1-Chlorooctadecane 119 % 57.6-158

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 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 12C (1') (H200648-31)

BTX 80218		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2012	ND	2.00	99.8	2.00	2.45	
Toluene*	<0.050	0.050	03/20/2012	ND	2.12	106	2.00	2.52	
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77	
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69	

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4.00	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	224	112	200	3.62	
DRO >C10-C28	<10.0	10.0	03/16/2012	ND	179	89.4	200	0.838	

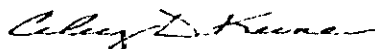
Surrogate: 1-Chlorooctane 111 % 55.5-154

Surrogate: 1-Chlorooctadecane 121 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 CAROLYN DORAN HAYNES
 P. O. BOX 3040
 MIDLAND TX, 79702
 Fax To: (575) 394-2653

Received:	03/15/2012	Sampling Date:	03/14/2012
Reported:	03/21/2012	Sampling Type:	Soil
Project Name:	JHHC SWMF NM-02-0021	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	T24S,R36E,SEC15,W/2 NW/4 & W/2 SW/		

Sample ID: 12C (3') (H200648-32)

BTX 8021B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2012	ND	2.00	99.8	2.00	2.45	
Toluene*	<0.050	0.050	03/20/2012	ND	2.12	106	2.00	2.52	
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77	
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69	

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 64.4-134

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<4.00	4.00	03/16/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2012	ND	224	112	200	3.62	
DRO >C10-C28	<10.0	10.0	03/16/2012	ND	179	89.4	200	0.838	

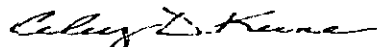
Surrogate: 1-Chlorooctane 99.5 % 55.5-154

Surrogate: 1-Chlorooctadecane 111 % 57.6-158

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* = Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

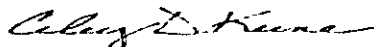
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

Cardinal Laboratories, Inc. 101 East Marland - Hobbs, New Mexico 88240 Tel (575) 393-2326 Fax (575) 393-2476										CHAIN-OF-CUSTODY AND ANALYSIS REQUEST																										
Company Name: John H. Hendrix Corporation					BILL TO Company: John H. Hendrix Corporation					LAB Order ID # _____																										
Project Manager: Carolyn Haynes					Project Manager: Carolyn Haynes					ANALYSIS REQUEST (Circle or Specify Method No.)																										
Address: (Street, City, Zip) PO Box 910, Eunice NM 88231					Address: (Street, City, Zip) Fax#: PO Box 3040, Midland TX 79702-3040					<table border="1" style="width:100%; border-collapse: collapse; font-size: 8px;"> <tr> <td>MTBE 8021B/602</td> <td>BTEX 8021 B</td> <td>TPH 8015M</td> <td>PAH 8270C</td> <td>RCRA Metals: Ag As Ba Cd Cr Pb Se Hg</td> <td>WQCC Metals: Al Cu Fe Mn Zn</td> <td>TCLP Volatiles</td> <td>TCLP Semi Volatiles</td> <td>TCLP Pesticides</td> <td>RCI</td> <td>GC/MS Vol. 8260B/624</td> <td>GC/MS Semi. Vol. 8270C/625</td> <td>Moisture Content</td> <td>Cations (Ca, Mg, K, Na)</td> <td>Anions (Cl, SO₄, CO₃, HCO₃, T-ALK)</td> <td>Total Dissolved Solids (SM2540C)</td> <td>Chlorides (SM4500 B or 300.1)</td> <td>SPLP Chloride</td> <td>Turn Around Time ~ 24 Hours</td> </tr> </table>					MTBE 8021B/602	BTEX 8021 B	TPH 8015M	PAH 8270C	RCRA Metals: Ag As Ba Cd Cr Pb Se Hg	WQCC Metals: Al Cu Fe Mn Zn	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	Moisture Content	Cations (Ca, Mg, K, Na)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃ , T-ALK)	Total Dissolved Solids (SM2540C)	Chlorides (SM4500 B or 300.1)	SPLP Chloride	Turn Around Time ~ 24 Hours			
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Phone #: (575) 394-2649 Fax#: (575) 394-2653					Phone #: (432) 684-6631 Email: cdoranhaynes@jhhc.org																															
Project #: John H. Hendrix Corporation					Project Name: JHHC Surface Waste Management Facility (NM-02-0021)																															
Project Location: T24S, R36E, Sec 15, W/2 NW/4 & W/2 SW/4, Lea County NM					Sampler Name: Gil Van Deventer																															
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				WATER	SOIL	AIR	SLUDGE	HCL	HNO ₃	NaHSO ₄	H ₂ SO ₄	ICE	None	DATE	TIME																					
1	1A (1')	G	1	X							X		3/14/12	1240	X	X																				
2	1A (3')	G	1	X							X		3/14/12	1220	X	X																				
3	1A-1 (1')	G	1	X							X		3/14/12	1150	X	X																				
4	1A-1 (3')	G	1	X							X		3/14/12	1155	X	X																				
5	1B (1')	G	1	X							X		3/14/12	1240	X	X																				
6	1B (3')	G	1	X							X		3/14/12	1245	X	X																				
7	1C (1')	G	1	X							X		3/14/12	1305	X	X																				
8	1C (3')	G	1	X							X		3/14/12	1310	X	X																				
9	10B (1')	G	1	X							X		3/14/12	1435	X	X																				
10	10B (3')	G	1	X							X		3/14/12	1445	X	X																				
Relinquished by: <i>[Signature]</i> Date: 3/15/12 Time: 7:20am										Received by: <i>[Signature]</i> Date: 3/15/12 Time: 9:20										Phone Results: Yes ☐ No ☐																
Relinquished by: _____ Date: _____ Time: _____										Received By: (Laboratory Staff) Date: _____ Time: _____										Fax Results: Yes ☐ No ☐ Additional Fax Number: _____																
Delivered By: (Circle One) _____										Sample Condition: Cool ☒ Intact ☒										REMARKS:																
Sampler - UPS - Bus - Other: <i>UPS</i>										CHECKED BY: <i>[Signature]</i>										Email Results to: cdoranhaynes@jhhc.org gil@trident-environmental.com																

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Relinquished by: <i>[Signature]</i> Date: 3/14/12 Time: 9:20am					Received by: <i>[Signature]</i> Date: 3/15/12 Time: 9:20					Phone Results: Yes ☐ No ☐					Fax Results: Yes ☐ No ☐ Additional Fax Number: _____																																																																																																																																																																																																																																																																																																																																																																																												
Relinquished by: _____ Date: _____ Time: _____					Received By: (Laboratory Staff) _____ Date: _____ Time: _____					REMARKS: Email Results to: cdoranhaynes@jhhc.org gil@trident-environmental.com																																																																																																																																																																																																																																																																																																																																																																																																	
Delivered By: (Circle One)					Sample Condition: Cool ☒ Yes ☐ No ☐ Intact ☒ Yes ☐ No ☐															CHECKED BY: <i>[Signature]</i> (Initials)																																																																																																																																																																																																																																																																																																																																																																																							
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101 East Marland - Hobbs, New Mexico 88240 Tel (575) 393-2326 Fax (575) 393-2476 Cardinal Laboratories, Inc. CHAIN-OF-CUSTODY AND ANALYSIS REQUEST																																				
LAB Order ID # _____																																				
ANALYSIS REQUEST (Circle or Specify Method No.)																																				
Company Name: John H. Hendrix Corporation		BILL TO Company: John H. Hendrix Corporation		PO#																																
Project Manager: Carolyn Haynes		Project Manager:		Carolyn Haynes																																
Address: (Street, City, Zip) PO Box 910, Eunice NM 88231		Address: (Street, City, Zip)		Fax#: PO Box 3040, Midland TX 79702-3040																																
Phone #: (575) 394-2649		Fax#: (575) 394-2653		Phone #: (432) 684-6631		Email: cdoranhaynes@jhhc.org																														
Project #		Project Name:		John H. Hendrix Corporation JHHC Surface Waste Management Facility (NM-02-0021)																																
Project Location: T24S, R36E, Sec 15, W/2 NW/4 & W/2 SW/4, Lea County NM		Sampler Name:		Gil Van Deventer																																
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				WATER	SOIL	AIR	SLUDGE	HCL	HNO3	NaHSO4	H2SO4	ICE	None																				DATE	TIME		
21	11B-1 (1')	G	1	X						X			3/14/12	1555	X	X																				
22	11B-1 (3')	G	1	X						X			3/14/12	1600	X	X																				
23	11C (1')	G	1	X						X			3/14/12	1610	X	X																				
24	11C (3')	G	1	X						X			3/14/12	1615	X	X																				
25	12A (1')	G	1	X						X			3/14/12	1115	X	X																				
26	12A (3')	G	1	X						X			3/14/12	1120	X	X																				
27	12B (1')	G	1	X						X			3/14/12	1030	X	X																				
28	12B (3')	G	1	X						X			3/14/12	1035	X	X																				
29	12B-1 (1')	G	1	X						X			3/14/12	1045	X	X																				
30	12B-1 (3')	G	1	X						X			3/14/12	1050	X	X																				
31	12C (1')	G	1	X						X			3/14/12	1625	X	X																				
32	12C (3')	G	1	X						X			3/14/12	1630	X	X																				
Relinquished by: <i>[Signature]</i> Date: 3/15/12 Time: 9:20am		Received by: <i>[Signature]</i> Date: 3/15/12 Time: 9:20				Phone Results		Yes		No																										
Relinquished by:		Date:		Time:		Received By: (Laboratory Staff)		Date:		Time:		Fax Results		Yes		No		Additional Fax Number:																		
Delivered By: (Circle One)		Sample Condition		CHECKED BY: <i>[Signature]</i>		REMARKS:																														
Sampler - UPS - Bus - Other:		Cool Yes ☒ No ☐		Intact Yes ☒ No ☐		Email Results to:																														



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

November 27, 2012

CAROLYN DORAN HAYNES
JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND, TX 79702

RE: JHHC SWMF NM-02-0021

Enclosed are the results of analyses for samples received by the laboratory on 10/30/12 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list on accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

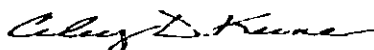
 Reported:
 27-Nov-12 11:45

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
1A (1')	H202641-01	Soil	30-Oct-12 09:20	30-Oct-12 16:20
1A (3')	H202641-02	Soil	30-Oct-12 09:25	30-Oct-12 16:20
1B (1')	H202641-03	Soil	30-Oct-12 09:45	30-Oct-12 16:20
1B (3')	H202641-04	Soil	30-Oct-12 09:50	30-Oct-12 16:20
1B-1 (1')	H202641-05	Soil	30-Oct-12 10:00	30-Oct-12 16:20
1B-1 (3')	H202641-06	Soil	30-Oct-12 10:05	30-Oct-12 16:20
1C (1')	H202641-07	Soil	30-Oct-12 10:30	30-Oct-12 16:20
1C (3')	H202641-08	Soil	30-Oct-12 10:35	30-Oct-12 16:20
10B (1')	H202641-09	Soil	30-Oct-12 11:05	30-Oct-12 16:20
10B (3')	H202641-10	Soil	30-Oct-12 11:10	30-Oct-12 16:20
10B-1 (1')	H202641-11	Soil	30-Oct-12 11:35	30-Oct-12 16:20
10B-1 (3')	H202641-12	Soil	30-Oct-12 11:40	30-Oct-12 16:20
10C (1')	H202641-13	Soil	30-Oct-12 12:20	30-Oct-12 16:20
10C (3')	H202641-14	Soil	30-Oct-12 12:25	30-Oct-12 16:20
10C-1 (1')	H202641-15	Soil	30-Oct-12 12:40	30-Oct-12 16:20
10C-1 (3')	H202641-16	Soil	30-Oct-12 12:45	30-Oct-12 16:20
11A (1')	H202641-17	Soil	30-Oct-12 14:05	30-Oct-12 16:20
11A (3')	H202641-18	Soil	30-Oct-12 14:10	30-Oct-12 16:20
11B (1')	H202641-19	Soil	30-Oct-12 13:30	30-Oct-12 16:20
11B (3')	H202641-20	Soil	30-Oct-12 13:35	30-Oct-12 16:20
11B-1 (1')	H202641-21	Soil	30-Oct-12 13:50	30-Oct-12 16:20
11B-1 (3')	H202641-22	Soil	30-Oct-12 13:55	30-Oct-12 16:20
11C (1')	H202641-23	Soil	30-Oct-12 13:00	30-Oct-12 16:20
11C (3')	H202641-24	Soil	30-Oct-12 13:05	30-Oct-12 16:20
12A (1')	H202641-25	Soil	30-Oct-12 14:25	30-Oct-12 16:20
12A (3')	H202641-26	Soil	30-Oct-12 14:30	30-Oct-12 16:20
12A-1 (1')	H202641-27	Soil	30-Oct-12 14:45	30-Oct-12 16:20

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702

Project: JHHC SWMF NM-02-0021
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Project Manager: CAROLYN DORAN HAYNES
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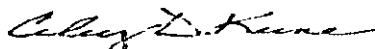
Reported:
27-Nov-12 11:45

12A-1 (3')	H202641-28	Soil	30-Oct-12 14:50	30-Oct-12 16:20
12B (1')	H202641-29	Soil	30-Oct-12 15:10	30-Oct-12 16:20
12B (3')	H202641-30	Soil	30-Oct-12 15:15	30-Oct-12 16:20
12C (1')	H202641-31	Soil	30-Oct-12 15:35	30-Oct-12 16:20
12C (3')	H202641-32	Soil	30-Oct-12 15:40	30-Oct-12 16:20

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Celey D. Keene, Lab Director/Quality Manager

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 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

**IA (1')
 H202641-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	432	16.0	mg/kg	4	2110206	HM	01-Nov-12	4500-Cl-B
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M
Surrogate: 1-Chlorooctane	82.9 %	65.2-140		2103103	MS	31-Oct-12	8015M	
Surrogate: 1-Chlorooctadecane	93.3 %	63.6-154		2103103	MS	31-Oct-12	8015M	

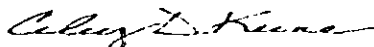
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2103104	AP	01-Nov-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2103104	AP	01-Nov-12	8021B
Surrogate: 4-Bromofluorobenzene (PFB)	107 %	89.4-126		2103104	AP	01-Nov-12	8021B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

**1A (3')
 H202641-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	97.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	19.5	5.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Chloride	336	16.0	mg/kg	4	2110206	HM	01-Nov-12	4500-Cl-B	
Sulfate	138	25.0	mg/kg	2.5	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	16.0	4.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M	
>C10-C28	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M	
Surrogate: 1-Chlorooctane		71.7 %	65.2-140		2103103	MS	31-Oct-12	8015M	
Surrogate: 1-Chlorooctadecane		76.6 %	63.6-154		2103103	MS	31-Oct-12	8015M	

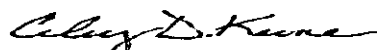
Total Metals

Aluminum	4310	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	1.18	0.500 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	22.3	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.297	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	462	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	4.07	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	2.99	2.00 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	4740	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	2.82	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	645	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	42.7	0.5 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	886	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	281	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	9.9	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

1A (3')

11202641-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.098 mg/kg dry wt.	490	2112606	CK	14-Nov-12	7471A	GAL
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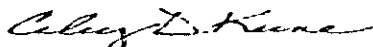
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2103104	AP	01-Nov-12	8021B
Total BTX	ND	0.300	mg/kg	50	2103104	AP	01-Nov-12	8021B
Surrogate: 4-Bromofluorobenzene (P1D)		106 %	89.4-126		2103104	AP	01-Nov-12	8021B

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

1B (1')

H1202641-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	64.0	16.0	mg/kg	4	2110206	HM	01-Nov-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M	
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PRO >C10-C28	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M	
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Surrogate: 1-Chlorooctane	79.2 %	65.2-140		2103103	MS	31-Oct-12	8015M		
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Surrogate: 1-Chlorooctadecane	88.5 %	63.6-154		2103103	MS	31-Oct-12	8015M		
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Volatile Organic Compounds by EPA Method 8021

zene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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ene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Ethylbenzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Total Nylenes*	ND	0.150	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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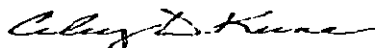
Total BTX	ND	0.300	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Surrogate: 4-Bromofluorobenzene (P11)	106 %	89.4-126		2103104	AP	01-Nov-12	8021B		
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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

**1B (3')
 H202641-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	98.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	181	5.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Chloride	16.0	4.00	mg/kg	1	2110206	HM	01-Nov-12	4500-Cl-B	
Sulfate	35.9	10.0	mg/kg	1	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	148	4.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M	
Surrogate: 1-Chlorooctane		84.4 %	65.2-140		2103103	MS	31-Oct-12	8015M	
Surrogate: 1-Chlorononadecane		94.5 %	63.6-154		2103103	MS	31-Oct-12	8015M	

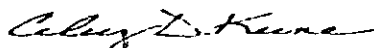
Total Metals

Aluminum	3710	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	1.07	0.500 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	20.2	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.520	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	714	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	3.86	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	2.89	2.00 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	4260	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	2.67	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	551	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	50.9	0.5 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	907	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	ND	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	8.9	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

1B (3')

H1202641-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.098 mg/kg dry wt.	490	2112606	CK	14-Nov-12	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2103104	AP	01-Nov-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2103104	AP	01-Nov-12	8021B

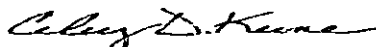
Surrogate: 4-Bromofluorobenzene (PID)

105 % 89.4-126 2103104 AP 01-Nov-12 8021B

Cardinal Laboratories

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Celest D. Keene, Lab Director/Quality Manager

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 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

1B-1 (1')

H202641-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	ND	4.00	mg/kg	1	2110206	HIM	01-Nov-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M	
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DRO >C10-C28	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M	
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Surrogate: 1-Chlorooctane		84.0 %	65.2-140		2103103	MS	31-Oct-12	8015M	
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Surrogate: 1-Chlorooctadecane		93.1 %	63.6-154		2103103	MS	31-Oct-12	8015M	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Toluene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Ethylbenzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Total Xylenes*	ND	0.150	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Total BTEX	ND	0.300	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Surrogate: 4-Bromofluorobenzene (P11)		105 %	89.4-126		2103104	AP	01-Nov-12	8021B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

1B-1 (3')
11202641-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	94.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	298	5.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Chloride	12.0	4.00	mg/kg	1	2110206	HM	01-Nov-12	4500-Cl-B	
Sulfate	17.2	10.0	mg/kg	1	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	244	4.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M	
O >C10-C28	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M	
Surrogate: 1-Chlorooctane		83.9 %	65.2-140		2103103	MS	31-Oct-12	8015M	
Surrogate: 1-Chlorodecane		93.8 %	63.6-154		2103103	MS	31-Oct-12	8015M	

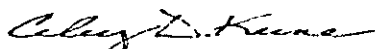
Total Metals

Aluminum	11100	5.0	mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	2.77	0.500	mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	49.7	0.50	mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.505	0.100	mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	1600	100	mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	7.52	1.00	mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	2.86	2.00	mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	9250	5.0	mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	5.42	0.50	mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	1660	100	mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	47.2	0.5	mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	1710	100	mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00	mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100	mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	ND	100	mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	19.1	5.0	mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

1B-1 (3')

H202641-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.098 mg/kg dry wt.	490	2112606	CK	14-Nov-12	7471A	GAL
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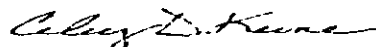
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2103104	AP	01-Nov-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2103104	AP	01-Nov-12	8021B
Surrogate: 4-Bromofluorobenzene (PBD)		105 %	89.4-126		2103104	AP	01-Nov-12	8021B

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

IC (1')
H202641-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	8.00	4.00	mg/kg	1	2110206	HMI	01-Nov-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M	

Surrogate: 1-Chlorooctane	81.1 %	65.2-140		2103103	MS	31-Oct-12	8015M		
Surrogate: 1-Chlorooctadecane	89.6 %	63.6-154		2103103	MS	31-Oct-12	8015M		

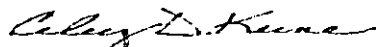
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Toluene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Ethylbenzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Total Xylenes*	ND	0.150	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Total BTX	ND	0.300	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Surrogate: 4-Bromofluorobenzene (P1D)	105 %	89.4-126		2103104	AP	01-Nov-12	8021B		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

**IC (3')
 H202641-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	93.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	92.7	5.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Chloride	ND	4.00	mg/kg	1	2110206	HM	01-Nov-12	4500-Cl-B	
Sulfate	ND	15.6	mg/kg	1.56	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	76.0	4.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2103103	MS	31-Oct-12	8015M	
Surrogate: 1-Chlorooctane	82.3 %	65.2-140		2103103	MS	31-Oct-12	8015M		
Surrogate: 1-Chlorooctadecane	91.4 %	63.6-154		2103103	MS	31-Oct-12	8015M		

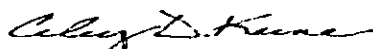
Total Metals

Aluminum	12800	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	2.46	0.500 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	56.2	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.415	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	1790	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	7.12	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	3.09	2.00 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	10300	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	5.15	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	1860	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	57.3	0.5 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	2050	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	ND	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	23.0	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

 IC (3')
 H202641-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.097 mg/kg dry wt.	485	2112606	CK	14-Nov-12	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

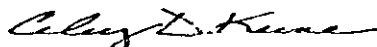
Benzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2103104	AP	01-Nov-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2103104	AP	01-Nov-12	8021B

Surrogate: 4-Bromofluorobenzene (PID)	105 %	89.4-126	2103104	AP	01-Nov-12	8021B
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

10B (1')

H202641-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	320	16.0	mg/kg	4	2110206	HIM	01-Nov-12	4500-Cl-B	
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Organic Compounds
S-06

GR0 C6-C10	ND	100	mg/kg	10	2103103	MS	31-Oct-12	8015M	
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DRO >C10-C28	14800	100	mg/kg	10	2103103	MS	31-Oct-12	8015M	
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Surrogate: 1-Chlorooctane		77.1 %	65.2-140		2103103	MS	31-Oct-12	8015M	
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Surrogate: 1-Chlorooctadecane		339 %	63.6-154		2103103	MS	31-Oct-12	8015M	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Toluene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Ethylbenzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Total Xylenes*	ND	0.150	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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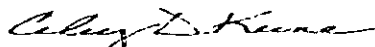
Total BTX	ND	0.300	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Surrogate: 4-Bromofluorobenzene (PBB)		106 %	89.4-126		2103104	AP	01-Nov-12	8021B	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702

Project: JHHC SWMF NM-02-0021
Project Number: JHHC
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
27-Nov-12 11:45

10B (3')

11202641-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

% Solids	97.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	53.7	5.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Chloride	ND	4.00	mg/kg	1	2110206	HM	01-Nov-12	4500-Cl-B	
Sulfate	ND	10.0	mg/kg	1	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	44.0	4.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
O > C10-C28	ND	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctane		89.0 %	65.2-140		2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctadecane		97.6 %	63.6-154		2110101	MS	02-Nov-12	8015M	

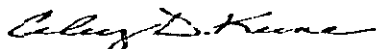
Total Metals

Aluminum	5260	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	1.41	0.500 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	30.4	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.385	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	807	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	5.26	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	2.89	2.00 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	5370	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	3.91	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	881	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	62.1	0.5 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	1040	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	ND	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	13.1	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

**10B (3')
 H202641-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.100 mg/kg dry wt.	500	2112606	CK	14-Nov-12	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

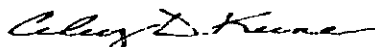
Benzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2103104	AP	01-Nov-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2103104	AP	01-Nov-12	8021B

Surrogate: 4-Bromofluorobenzene (P1D)	110 %	89.4-126	2103104	AP	01-Nov-12	8021B
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702

Project: JHHC SWMF NM-02-0021
Project Number: JHHC
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
27-Nov-12 11:45

**10B-1 (1')
H202641-11 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	16.0	4.00	mg/kg	1	2110206	HM	01-Nov-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
DRO >C10-C28	88.0	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctane		50.5 %	65.2-140		2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctadecane		92.6 %	63.6-154		2110101	MS	02-Nov-12	8015M	

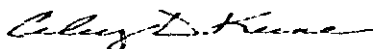
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Toluene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Ethylbenzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Total Nylenes*	ND	0.150	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Total BTEX	ND	0.300	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Surrogate: 4-Bromofluorobenzene (P11D)		108 %	89.4-126		2103104	AP	01-Nov-12	8021B	

Cardinal Laboratories

*=Accredited Analyte

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 MIDLAND TX, 79702

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 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

**10B-1 (3')
 H202641-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	95.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	122	5.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Chloride	144	16.0	mg/kg	4	2110206	HM	01-Nov-12	4500-Cl-B	
Sulfate	ND	10.0	mg/kg	1	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	100	4.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
DRO >C10-C28	10.2	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctane		90.2 %	65.2-140		2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctadecane		101 %	63.6-154		2110101	MS	02-Nov-12	8015M	

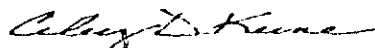
Total Metals

Aluminum	8240	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	1.92	0.500 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	37.4	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.381	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	2400	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	5.34	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	2.94	2.00 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	7180	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	4.26	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	1340	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	64.9	0.5 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	1490	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	ND	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	19.7	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

**10B-1 (3')
 H202641-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.099 mg/kg dry wt.		495	2112606	CK	14-Nov-12	7471A	GAL
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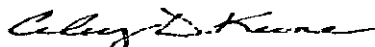
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Toluene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Ethylbenzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Total Xylenes*	ND	0.150	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Total BTEX	ND	0.300	mg/kg	50	2103104	AP	01-Nov-12	8021B	
S surrogate: 4-Bromofluorobenzene (PID)		110 %		89.4-126	2103104	AP	01-Nov-12	8021B	

Cardinal Laboratories

* = Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

10C (1')

H202641-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	ND	4.00	mg/kg	1	2110206	HM	02-Nov-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	50.0	mg/kg	5	2110101	MS	02-Nov-12	8015M	
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DRO >C10-C28	197	50.0	mg/kg	5	2110101	MS	02-Nov-12	8015M	
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Surrogate: 1-Chlorooctane	93.1 %	65.2-140		2110101	MS	02-Nov-12	8015M		
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Surrogate: 1-Chlorooctadecane	115 %	63.6-154		2110101	MS	02-Nov-12	8015M		
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Toluene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Ethylbenzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Total Xylenes*	ND	0.150	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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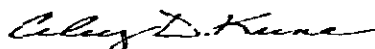
Total BTEX	ND	0.300	mg/kg	50	2103104	AP	01-Nov-12	8021B	
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Surrogate: 4-Bromofluorobenzene (PID)	109 %	89.4-126		2103104	AP	01-Nov-12	8021B		
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JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702

Project: JHHC SWMF NM-02-0021
Project Number: JHHC
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
27-Nov-12 11:45

10C (3') H202641-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

% Solids	84.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	137	5.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Chloride	ND	4.00	mg/kg	1	2110206	HM	02-Nov-12	4500-Cl-B	
Sulfate	44.7	10.0	mg/kg	1	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	112	4.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110101	MS	05-Nov-12	8015M	
O > C10-C28	ND	10.0	mg/kg	1	2110101	MS	05-Nov-12	8015M	
Surrogate: 1-Chlorooctane		91.4 %	65.2-140		2110101	MS	05-Nov-12	8015M	
Surrogate: 1-Chlorooctadecane		103 %	63.6-154		2110101	MS	05-Nov-12	8015M	

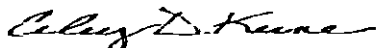
Total Metals

Aluminum	18200	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	3.26	0.500 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	61.1	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.469	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	2990	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	9.44	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	3.49	2.00 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	14500	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	7.41	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	2800	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	96.7	0.5 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	3150	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	ND	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	36.2	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

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P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: JHHC
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
27-Nov-12 11:45

10C (3')

H202641-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Mercury (Total) by CVAA**

Mercury	ND	0.097 mg/kg dry wt.	485	2112606	CK	14-Nov-12	7471A	GAL
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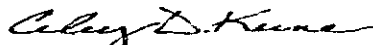
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2103104	AP	01-Nov-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2103104	AP	01-Nov-12	8021B
Surrogate: 4-Bromofluorobenzene (PID)		107 %	89.4-126	2103104	AP	01-Nov-12	8021B	

Cardinal Laboratories

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 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

**10C-1 (1')
 H202641-15 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	ND	4.00	mg/kg	1	2110206	HM	02-Nov-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
DRO >C10-C28	34.9	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctane		90.8 %	65.2-140		2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctadecane		103 %	63.6-154		2110101	MS	02-Nov-12	8015M	

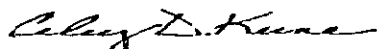
Volatile Organic Compounds by EPA Method 8021

zene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
luene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Ethylbenzene*	ND	0.050	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Total Xylenes*	ND	0.150	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Total BTEX	ND	0.300	mg/kg	50	2103104	AP	01-Nov-12	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		107 %	89.4-126		2103104	AP	01-Nov-12	8021B	

Cardinal Laboratories

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P. O. BOX 3040
MIDLAND TX, 79702

Project: JHHC SWMF NM-02-0021
Project Number: JHHC
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
27-Nov-12 11:45

10C-1 (3') H202641-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

% Solids	91.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	87.8	5.00	mg/kg	1	2112611	HMI	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HMI	15-Nov-12	310.1	
Chloride	ND	4.00	mg/kg	1	2110206	HMI	02-Nov-12	4500-Cl-B	
Sulfate	19.0	11.3	mg/kg	1.13	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	72.0	4.00	mg/kg	1	2112611	HMI	15-Nov-12	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctane		92.4 %	65.2-140		2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctadecane		104 %	63.6-154		2110101	MS	02-Nov-12	8015M	

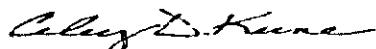
Total Metals

Aluminum	9280	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	2.00	0.500 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	38.6	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.334	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	1370	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	5.85	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	2.34	2.00 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	8180	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	4.24	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	1330	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	59.7	0.5 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	1450	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	ND	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	18.6	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

 10C-1 (3')
 H202641-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.096 mg/kg dry wt.	480	2112606	CK	14-Nov-12	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

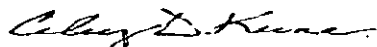
Benzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2110105	AP	02-Nov-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2110105	AP	02-Nov-12	8021B

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126 2110105 AP 02-Nov-12 8021B

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

**11A (1')
 H202641-17 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	32.0	16.0	mg/kg	4	2110206	HIM	02-Nov-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	50.0	mg/kg	5	2110101	MS	02-Nov-12	8015M	
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DRO >C10-C28	181	50.0	mg/kg	5	2110101	MS	02-Nov-12	8015M	
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Surrogate: 1-Chlorooctane	95.2 %	65.2-140	2110101	MS	02-Nov-12	8015M		
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Surrogate: 1-Chlorononadecane	115 %	63.6-154	2110101	MS	02-Nov-12	8015M		
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B	
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Toluene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B	
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Ethylbenzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B	
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Total Xylenes*	ND	0.150	mg/kg	50	2110105	AP	02-Nov-12	8021B	
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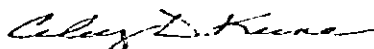
Total BTX	ND	0.300	mg/kg	50	2110105	AP	02-Nov-12	8021B	
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Surrogate: 4-Bromofluorobenzene (P11)	107 %	89.4-126	2110105	AP	02-Nov-12	8021B		
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702

Project: JHHC SWMF NM-02-0021
Project Number: JHHC
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
27-Nov-12 11:45

11A (3')
H202641-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	95.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	137	5.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Chloride	ND	4.00	mg/kg	1	2110206	HM	02-Nov-12	4500-Cl-B	
Sulfate	ND	100	mg/kg	10	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	112	4.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110101	MS	05-Nov-12	8015M	
>C10-C28	ND	10.0	mg/kg	1	2110101	MS	05-Nov-12	8015M	
Surrogate: 1-Chlorooctane		90.4 %	65.2-140		2110101	MS	05-Nov-12	8015M	
Surrogate: 1-Chlorooctadecane		102 %	63.6-154		2110101	MS	05-Nov-12	8015M	

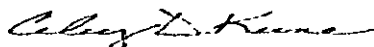
Total Metals

Aluminum	4310	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	1.17	0.500 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	20.8	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.331	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	555	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	3.61	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	ND	2.00 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	4580	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	2.53	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	533	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	47.5	0.5 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	824	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	ND	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	10.9	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

11A (3')

H202641-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.098 mg/kg dry wt.	490	2112606	CK	14-Nov-12	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

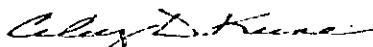
Benzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2110105	AP	02-Nov-12	8021B
Total BTEN	ND	0.300	mg/kg	50	2110105	AP	02-Nov-12	8021B

Surrogate: 4-Bromofluorobenzene (PID) 108 % 89.4-126 2110105 AP 02-Nov-12 8021B

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

**11B (1')
 H202641-19 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	112	16.0	mg/kg	4	2110206	HM	02-Nov-12	4500-Cl-B
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Organic Compounds
S-06

GRO C6-C10	ND	100	mg/kg	10	2110101	MS	02-Nov-12	8015M
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DRO >C10-C28	1030	100	mg/kg	10	2110101	MS	02-Nov-12	8015M
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Surrogate: 1-Chlorooctane	93.5 %	65.2-140		2110101	MS	02-Nov-12	8015M
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Surrogate: 1-Chlorooctadecane	139 %	63.6-154		2110101	MS	02-Nov-12	8015M
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Volatile Organic Compounds by EPA Method 8021

zene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
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uene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
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Ethylbenzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
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Total Xylenes*	ND	0.150	mg/kg	50	2110105	AP	02-Nov-12	8021B
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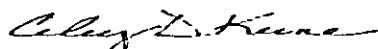
Total BTEX	ND	0.300	mg/kg	50	2110105	AP	02-Nov-12	8021B
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Surrogate: 4-Bromofluorobenzene (PHE)	108 %	89.4-126		2110105	AP	02-Nov-12	8021B
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

11B (3')
H202641-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	93.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	53.7	5.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Chloride	160	16.0	mg/kg	4	2110206	HM	02-Nov-12	4500-Cl-B	
Sulfate	174	25.0	mg/kg	2.5	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	44.0	4.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctane		93.6 %	65.2-140		2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctadecane		104 %	63.6-154		2110101	MS	02-Nov-12	8015M	

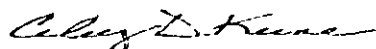
Total Metals

Aluminum	8700	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	1.73	0.500 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	31.7	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.423	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	1200	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	5.21	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	2.36	2.00 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	7570	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	3.95	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	1190	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	59.3	0.5 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	1450	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	125	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	17.0	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

11B (3')
H202641-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.097 mg/kg dry wt.	485	2112606	CK	14-Nov-12	7471A	GAL
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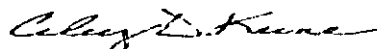
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2110105	AP	02-Nov-12	8021B
Total BTX	ND	0.300	mg/kg	50	2110105	AP	02-Nov-12	8021B
Surrogate: 4-Bromofluorobenzene (PID)		110 %	89.4-126	2110105	AP	02-Nov-12	8021B	

Cardinal Laboratories

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

**11B-1 (1')
 H202641-21 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	64.0	16.0	mg/kg	4	2110207	HM	01-Nov-12	4500-C1-B	
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Organic Compounds

GRO C6-C10	ND	50.0	mg/kg	5	2110101	MS	02-Nov-12	8015M	
DRO >C10-C28	647	50.0	mg/kg	5	2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctane		87.8 %	65.2-140		2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctadecane		132 %	63.6-154		2110101	MS	02-Nov-12	8015M	

Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B	
Toluene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B	
Ethylbenzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B	
Total Xylenes*	ND	0.150	mg/kg	50	2110105	AP	02-Nov-12	8021B	
Total BTEX	ND	0.300	mg/kg	50	2110105	AP	02-Nov-12	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		108 %	59.4-126		2110105	AP	02-Nov-12	8021B	

Cardinal Laboratories

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Celest D. Keene, Lab Director/Quality Manager

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JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702

Project: JHHC SWMF NM-02-0021
Project Number: JHHC
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
27-Nov-12 11:45

**H1B-1 (3')
H202641-22 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	92.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	117	5.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Chloride	176	16.0	mg/kg	4	2110207	HM	01-Nov-12	4500-Cl-B	
Sulfate	33.8	10.0	mg/kg	1	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	96.0	4.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
C > C10-C28	ND	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctane		83.1%	65.2-140		2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctadecane		91.5%	63.6-154		2110101	MS	02-Nov-12	8015M	

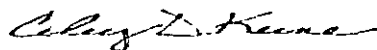
Total Metals

Aluminum	8140	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	1.81	0.500 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	26.0	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.388	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	1270	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	5.71	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	3.15	2.00 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	7280	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	4.00	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	1310	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	50.1	0.5 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	1360	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	ND	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	16.8	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

 11B-1 (3')
 H202641-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.100 mg/kg dry wt.	500	2112606	CK	14-Nov-12	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

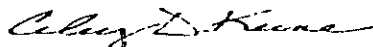
Benzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2110105	AP	02-Nov-12	8021B
Total BTX	ND	0.300	mg/kg	50	2110105	AP	02-Nov-12	8021B

Surrogate: 4-Bromofluorobenzene (P112) 108 % 89.4-126 2110105 AP 02-Nov-12 8021B

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702

Project: JHHC SWMF NM-02-0021
Project Number: JHHC
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
27-Nov-12 11:45

**IIC (I')
H202641-23 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	ND	4.00	mg/kg	1	2110207	HXI	01-Nov-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctane		90.8 %	65.2-140		2110101	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctadecane		100 %	63.6-154		2110101	MS	02-Nov-12	8015M	

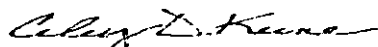
Volatile Organic Compounds by EPA Method 8021

zene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B	
uene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B	
Ethylbenzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B	
Total Xylenes*	ND	0.150	mg/kg	50	2110105	AP	02-Nov-12	8021B	
Total BTX	ND	0.300	mg/kg	50	2110105	AP	02-Nov-12	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		108 %	89.4-126		2110105	AP	02-Nov-12	8021B	

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Celey D. Keene, Lab Director/Quality Manager

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 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

**11C (3')
 H202641-24 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	95.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	151	5.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Chloride	ND	4.00	mg/kg	1	2110207	HM	01-Nov-12	4500-Cl-B	
Sulfate	18.7	10.0	mg/kg	1	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	124	4.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110201	MS	05-Nov-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2110201	MS	05-Nov-12	8015M	
Surrogate: 1-Chlorooctane		84.7 %	65.2-140		2110201	MS	05-Nov-12	8015M	
Surrogate: 1-Chlorooctadecane		94.0 %	63.6-154		2110201	MS	05-Nov-12	8015M	

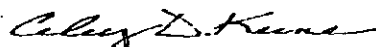
Total Metals

Aluminum	6480	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	1.54	0.500 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	30.4	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.370	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	1400	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	4.81	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	2.64	2.00 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	6030	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	3.30	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	915	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	53.8	0.5 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	1180	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	ND	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	16.2	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

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 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

 IIC (3')
 H202641-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.096 mg/kg dry wt.	480	2112606	CK	14-Nov-12	7471A	GAL
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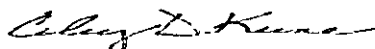
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2110105	AP	02-Nov-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2110105	AP	02-Nov-12	8021B
negative: 4-Bromofluorobenzene (PID)		103 %	89.4-126	2110105	AP	02-Nov-12	8021B	

Cardinal Laboratories

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 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

12A (1')

11202641-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	ND	4.00	mg/kg	1	2110207	HM	01-Nov-12	4500-Cl-B
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Organic Compounds

GRO C6-C10	ND	50.0	mg/kg	5	2110201	MS	02-Nov-12	8015M
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DRO >C10-C28	ND	50.0	mg/kg	5	2110201	MS	02-Nov-12	8015M
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Surrogate: 1-Chlorooctane	88.3 %	65.2-140		2110201	MS	02-Nov-12	8015M
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Surrogate: 1-Chlorooctadecane	97.6 %	63.6-154		2110201	MS	02-Nov-12	8015M
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
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Toluene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
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Ethylbenzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
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Total Xylenes*	ND	0.150	mg/kg	50	2110105	AP	02-Nov-12	8021B
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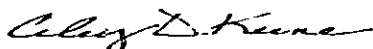
Total BTEX	ND	0.300	mg/kg	50	2110105	AP	02-Nov-12	8021B
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Surrogate: 4-Bromofluorobenzene (PFD)	109 %	89.4-126		2110105	AP	02-Nov-12	8021B
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702

Project: JHHC SWMF NM-02-0021
Project Number: JHHC
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
27-Nov-12 11:45

12A (3')

H202641-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	93.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	43.9	5.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Chloride	ND	4.00	mg/kg	1	2110207	HM	01-Nov-12	4500-Cl-B	
Sulfate	23.0	10.0	mg/kg	1	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	36.0	4.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	

Organic Compounds

RO C6-C10	ND	10.0	mg/kg	1	2110201	MS	02-Nov-12	8015M	
>C10-C28	ND	10.0	mg/kg	1	2110201	MS	02-Nov-12	8015M	
S surrogate: 1-Chlorooctane		90.5 %	65.2-140		2110201	MS	02-Nov-12	8015M	
S surrogate: 1-Chlorooctadecane		101 %	63.6-154		2110201	MS	02-Nov-12	8015M	

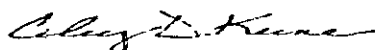
Total Metals

Aluminum	7310	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	1.75	0.500 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	36.2	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.307	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	1040	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	5.33	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	2.65	2.00 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	6870	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	3.96	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	1020	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	64.1	0.5 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	1400	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	ND	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	15.9	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

12A (3')

H202641-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.100 mg/kg dry wt.	500	2112606	CK	14-Nov-12	7471A	GAL
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Volatile Organic Compounds by EPA Method 8021

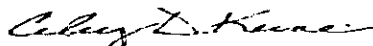
Benzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2110105	AP	02-Nov-12	8021B
Total BTEN	ND	0.300	mg/kg	50	2110105	AP	02-Nov-12	8021B

Surrogate: 4-Bromofluorobenzene (P1D) 108 % 89.4-126 2110105 AP 02-Nov-12 8021B

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

**12A-1 (1')
 H202641-27 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	ND	4.00	mg/kg	1	2110207	HM	01-Nov-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110201	MS	02-Nov-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2110201	MS	02-Nov-12	8015M	
Surrogate: 1-Chlorooctane	92.5 %	65.2-140		2110201	MS	02-Nov-12	8015M		
Surrogate: 1-Chlorooctadecane	102 %	63.6-154		2110201	MS	02-Nov-12	8015M		

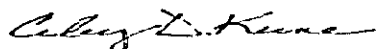
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B	
Toluene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B	
Ethylbenzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B	
Total Xylenes*	ND	0.150	mg/kg	50	2110105	AP	02-Nov-12	8021B	
Total BTX	ND	0.300	mg/kg	50	2110105	AP	02-Nov-12	8021B	
Surrogate: 4-Bromofluorobenzene (PHE)	109 %	89.4-126		2110105	AP	02-Nov-12	8021B		

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702

Project: JHHC SWMF NM-02-0021
Project Number: JHHC
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
27-Nov-12 11:45

12A-1 (3') H202641-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

% Solids	89.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	48.8	5.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Chloride	ND	4.00	mg/kg	1	2110207	HM	01-Nov-12	4500-Cl-B	
Sulfate	143	25.0	mg/kg	2.5	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	52.0	4.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110201	MS	02-Nov-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2110201	MS	02-Nov-12	8015M	
Surrogate, 1-Chlorooctane		88.3 %	65.2-140		2110201	MS	02-Nov-12	8015M	
Surrogate, 1-Chlorooctadecane		97.6 %	63.6-154		2110201	MS	02-Nov-12	8015M	

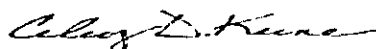
Total Metals

Aluminum	13000	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	2.88	0.500 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	52.7	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.453	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	1850	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	8.47	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	2.66	2.00 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	10800	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	6.00	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	1650	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	66.2	0.5 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	2130	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	171	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	24.5	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported: .
 27-Nov-12 11:45

**12A-1 (3')
 H202641-28 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.098 mg/kg dry wt.	490	2112606	CK	14-Nov-12	7471A	GAL
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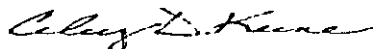
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2110105	AP	02-Nov-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2110105	AP	02-Nov-12	8021B
Surrogate: 4-Bromofluorobenzene (PFB)		109 %	89.4-126		2110105	AP	02-Nov-12	8021B

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

12B (1')
H202641-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Chloride	16.0	4.00	mg/kg	1	2110207	HMI	01-Nov-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110201	MS	02-Nov-12	8015M	
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DRO >C10-C28	ND	10.0	mg/kg	1	2110201	MS	02-Nov-12	8015M	
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Surrogate: 1-Chlorooctane	88.8 %	65.2-140	2110201	MS	02-Nov-12	8015M		
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Surrogate: 1-Chlorooctadecane	97.0 %	63.6-154	2110201	MS	02-Nov-12	8015M		
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Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B	
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Toluene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B	
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Ethylbenzene*	ND	0.050	mg/kg	50	2110105	AP	02-Nov-12	8021B	
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Total Xylenes*	ND	0.150	mg/kg	50	2110105	AP	02-Nov-12	8021B	
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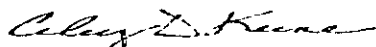
Total BTX	ND	0.300	mg/kg	50	2110105	AP	02-Nov-12	8021B	
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Surrogate: 4-Bromofluorobenzene (PBD)	108 %	89.4-126	2110105	AP	02-Nov-12	8021B		
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702

Project: JHHC SWMF NM-02-0021
Project Number: JHHC
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
27-Nov-12 11:45

12B (3')
11202641-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	92.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	132	5.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Chloride	12.0	4.00	mg/kg	1	2110207	HM	01-Nov-12	4500-Cl-B	
Sulfate	54.4	10.0	mg/kg	1	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	108	4.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	

Organic Compounds

CO C6-C10	ND	10.0	mg/kg	1	2110102	MS	01-Nov-12	8015M	
>C10-C28	ND	10.0	mg/kg	1	2110102	MS	01-Nov-12	8015M	
Surrogate: 1-Chlorooctane	90.8 %	65.2-140		2110102	MS	01-Nov-12	8015M		
Surrogate: 1-Chlorooctadecane	101 %	63.6-154		2110102	MS	01-Nov-12	8015M		

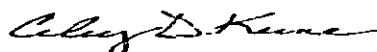
Total Metals

Aluminum	8440	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	2.15	0.500 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	40.2	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.393	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	1330	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	6.48	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	2.72	2.00 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	7650	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	4.66	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	1310	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	70.0	0.5 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	1790	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	125	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	17.6	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

12B (3')
11202641-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.099 mg/kg dry wt.	495	2112606	CK	14-Nov-12	7471A	GAL
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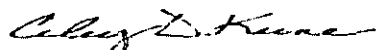
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2110203	AP	03-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2110203	AP	03-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2110203	AP	03-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2110203	AP	03-Nov-12	8021B
Total BTEX	ND	0.300	mg/kg	50	2110203	AP	03-Nov-12	8021B
Surrogate: 4-Bromofluorobenzene (PFD)		109 %	89.4-126	2110203	AP	03-Nov-12	8021B	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702

Project: JHHC SWMF NM-02-0021
Project Number: JHHC
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
27-Nov-12 11:45

12C (I') H202641-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	ND	4.00	mg/kg	1	2110207	HM	01-Nov-12	4500-Cl-B	
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Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110102	MS	01-Nov-12	8015M	
DRO >C10-C28	14.6	10.0	mg/kg	1	2110102	MS	01-Nov-12	8015M	
Surrogate: 1-Chlorooctane		89.2 %	65.2-140		2110102	MS	01-Nov-12	8015M	
Surrogate: 1-Chlorooctadecane		101 %	63.6-154		2110102	MS	01-Nov-12	8015M	

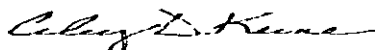
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2110203	AP	03-Nov-12	8021B	
Toluene*	ND	0.050	mg/kg	50	2110203	AP	03-Nov-12	8021B	
Ethylbenzene*	ND	0.050	mg/kg	50	2110203	AP	03-Nov-12	8021B	
Total Xylenes*	ND	0.150	mg/kg	50	2110203	AP	03-Nov-12	8021B	
Total BTX	ND	0.300	mg/kg	50	2110203	AP	03-Nov-12	8021B	
Surrogate: 4-Bromofluorobenzene (P11)		109 %	89.4-126		2110203	AP	03-Nov-12	8021B	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

12C (3')

H202641-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

% Solids	95.0		%	1	2112610	CK	06-Nov-12	D2216	GAL
Alkalinity, Bicarbonate	92.7	5.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Alkalinity, Carbonate	ND	0.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	
Chloride	ND	4.00	mg/kg	1	2110207	HM	01-Nov-12	4500-Cl-B	
Sulfate	13.0	10.0	mg/kg	1	2111604	AP	21-Nov-12	375.4	
Alkalinity, Total*	76.0	4.00	mg/kg	1	2112611	HM	15-Nov-12	310.1	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	2110102	MS	01-Nov-12	8015M	
DRO >C10-C28	ND	10.0	mg/kg	1	2110102	MS	01-Nov-12	8015M	
Surrogate: 1-Chlorooctane		91.2 %	65.2-140		2110102	MS	01-Nov-12	8015M	
Surrogate: 1-Chlorooctadecane		100 %	63.6-154		2110102	MS	01-Nov-12	8015M	

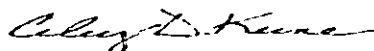
Total Metals

Aluminum	7070	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Arsenic	1.51	0.500 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Barium	37.3	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Cadmium	0.339	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Calcium	1230	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Chromium	5.21	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Copper	2.90	2.00 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Iron	6610	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Lead	3.88	0.50 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Magnesium	1220	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Manganese	82.4	0.5 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Potassium	1500	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Silver	ND	0.100 mg/kg dry wt.	1000	2112605	CK	20-Nov-12	6020	GAL
Sodium	ND	100 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL
Zinc	16.3	5.0 mg/kg dry wt.	100	2112604	CK	26-Nov-12	6010B	GAL

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

 12C (3')
 H202641-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Mercury (Total) by CVAA

Mercury	ND	0.098 mg/kg dry wt.	490	2112606	CK	14-Nov-12	7471A	GAL
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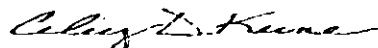
Volatile Organic Compounds by EPA Method 8021

Benzene*	ND	0.050	mg/kg	50	2110203	AP	03-Nov-12	8021B
Toluene*	ND	0.050	mg/kg	50	2110203	AP	03-Nov-12	8021B
Ethylbenzene*	ND	0.050	mg/kg	50	2110203	AP	03-Nov-12	8021B
Total Xylenes*	ND	0.150	mg/kg	50	2110203	AP	03-Nov-12	8021B
Total BTX	ND	0.300	mg/kg	50	2110203	AP	03-Nov-12	8021B
* surrogate: 4-Bromofluorobenzene (PHD)		108 %	89.4-126	2110203	AP	03-Nov-12	8021B	

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 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
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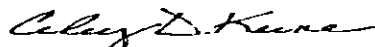
Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2110206 - 1:4 DI Water										
Blank (2110206-BLK1)				Prepared & Analyzed: 01-Nov-12						
Chloride	ND	16.0	mg/kg							
LCS (2110206-BS1)				Prepared & Analyzed: 01-Nov-12						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2110206-BSD1)				Prepared & Analyzed: 01-Nov-12						
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 2110207 - 1:4 DI Water										
Blank (2110207-BLK1)				Prepared & Analyzed: 01-Nov-12						
Chloride	ND	16.0	mg/kg							
LCS (2110207-BS1)				Prepared & Analyzed: 01-Nov-12						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (2110207-BSD1)				Prepared & Analyzed: 01-Nov-12						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 2111604 - General Prep - Wet Chem										
Blank (2111604-BLK1)				Prepared: 16-Nov-12 Analyzed: 21-Nov-12						
Sulfate	ND	10.0	mg/kg							
LCS (2111604-BS1)				Prepared: 16-Nov-12 Analyzed: 21-Nov-12						
Sulfate	18.3	10.0	mg/kg	20.0		91.7	80-120			

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Celey D. Keene, Lab Director/Quality Manager

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 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2111604 - General Prep - Wet Chem
LCS Dup (2111604-BS01)

Prepared: 16-Nov-12 Analyzed: 21-Nov-12

Sulfate	18.4	10.0	mg/kg	20.0		91.9	80-120	0.218	20	
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Batch 2112611 - General Prep - Wet Chem
Blank (2112611-BLK1)

Prepared & Analyzed: 15-Nov-12

Alkalinity, Carbonate	ND	0.00	mg/kg							
Alkalinity, Bicarbonate	ND	5.00	mg/kg							
Alkalinity, Total	ND	4.00	mg/kg							

LCS (2112611-BS1)

Prepared & Analyzed: 15-Nov-12

Alkalinity, Carbonate	ND	0.00	mg/kg				80-120			
Alkalinity, Bicarbonate	137	5.00	mg/kg				80-120			
Alkalinity, Total	112	4.00	mg/kg	100		112	80-120			

LCS Dup (2112611-BS01)

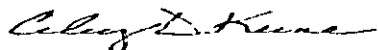
Prepared & Analyzed: 15-Nov-12

Alkalinity, Carbonate	ND	0.00	mg/kg				80-120		20	
Alkalinity, Bicarbonate	132	5.00	mg/kg				80-120	3.72	20	
Alkalinity, Total	108	4.00	mg/kg	100		108	80-120	3.64	20	

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 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

Organic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2103103 - General Prep - Organics
Blank (2103103-BLK1)

Prepared & Analyzed: 31-Oct-12

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	41.9		mg/kg	50.5		83.0	65.2-140			
Surrogate: 1-Chlorooctadecane	46.1		mg/kg	50.0		92.2	63.6-154			

LCS (2103103-BSD1)

Prepared & Analyzed: 31-Oct-12

GRO C6-C10	194	10.0	mg/kg	200		97.1	66.4-124		23.4	
DRO >C10-C28	215	10.0	mg/kg	200		107	61.6-132		23.1	
Surrogate: 1-Chlorooctane	45.7		mg/kg	50.5		90.6	65.2-140			
Surrogate: 1-Chlorooctadecane	46.4		mg/kg	50.0		92.8	63.6-154			

LCS Dup (2103103-BSD1)

Prepared & Analyzed: 31-Oct-12

GRO C6-C10	185	10.0	mg/kg	200		92.3	66.4-124	5.08	23.4	
DRO >C10-C28	199	10.0	mg/kg	200		99.4	61.6-132	7.72	23.1	
Surrogate: 1-Chlorooctane	43.3		mg/kg	50.5		85.7	65.2-140			
Surrogate: 1-Chlorooctadecane	44.0		mg/kg	50.0		88.0	63.6-154			

Batch 2110101 - General Prep - Organics
Blank (2110101-BLK1)

Prepared & Analyzed: 01-Nov-12

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	45.1		mg/kg	50.5		89.4	65.2-140			
Surrogate: 1-Chlorooctadecane	49.2		mg/kg	50.0		98.4	63.6-154			

LCS (2110101-BSD1)

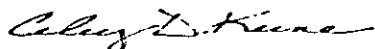
Prepared & Analyzed: 01-Nov-12

GRO C6-C10	192	10.0	mg/kg	200		95.8	66.4-124		23.4	
DRO >C10-C28	200	10.0	mg/kg	200		100	61.6-132		23.1	
Surrogate: 1-Chlorooctane	46.1		mg/kg	50.5		91.3	65.2-140			
Surrogate: 1-Chlorooctadecane	47.1		mg/kg	50.0		94.3	63.6-154			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

Organic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2110101 - General Prep - Organics

LCS Dup (2110101-BSD1)		Prepared & Analyzed: 01-Nov-12								
GRO C6-C10	196	10.0	mg/kg	200		98.1	66.4-124	2.44	23.4	
DRO >C10-C28	209	10.0	mg/kg	200		105	61.6-132	4.46	23.1	
Surrogate: 1-Chlorooctane	47.3		mg/kg	50.5		93.6	65.2-140			
Surrogate: 1-Chlorooctadecane	48.2		mg/kg	50.0		96.4	63.6-154			

Batch 2110102 - General Prep - Organics

Blank (2110102-BLK1)		Prepared & Analyzed: 01-Nov-12								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	44.5		mg/kg	50.5		88.0	65.2-140			
Surrogate: 1-Chlorooctadecane	48.4		mg/kg	50.0		96.9	63.6-154			

LCS (2110102-BS1)		Prepared & Analyzed: 01-Nov-12								
GRO C6-C10	202	10.0	mg/kg	200		101	66.4-124		23.4	
DRO >C10-C28	216	10.0	mg/kg	200		108	61.6-132		23.1	
Surrogate: 1-Chlorooctane	49.1		mg/kg	50.5		97.2	65.2-140			
Surrogate: 1-Chlorooctadecane	50.1		mg/kg	50.0		100	63.6-154			

LCS Dup (2110102-BSD1)		Prepared & Analyzed: 01-Nov-12								
GRO C6-C10	207	10.0	mg/kg	200		103	66.4-124	2.55	23.4	
DRO >C10-C28	222	10.0	mg/kg	200		111	61.6-132	2.78	23.1	
Surrogate: 1-Chlorooctane	50.5		mg/kg	50.5		100	65.2-140			
Surrogate: 1-Chlorooctadecane	51.4		mg/kg	50.0		103	63.6-154			

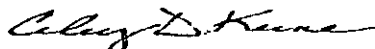
Batch 2110201 - General Prep - Organics

Blank (2110201-BLK1)		Prepared & Analyzed: 02-Nov-12								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	44.8		mg/kg	50.5		88.8	65.2-140			
Surrogate: 1-Chlorooctadecane	50.0		mg/kg	50.0		100	63.6-154			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 JOHN H. HENDRIX CORPORATION
 P. O. BOX 3040
 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

Organic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2110201 - General Prep - Organics
LCS (2110201-B51)

Prepared & Analyzed: 02-Nov-12

GRO C6-C10	179	10.0	mg/kg	200		89.7	66.4-124		23.4	
DRO >C10-C28	170	10.0	mg/kg	200		85.1	61.6-132		23.1	
Surrogate: 1-Chlorooctane	44.3		mg/kg	50.5		87.7	65.2-140			
Surrogate: 1-Chlorooctadecane	43.2		mg/kg	50.0		86.4	63.6-154			

LCS Dup (2110201-BSD1)

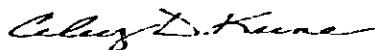
Prepared & Analyzed: 02-Nov-12

GRO C6-C10	189	10.0	mg/kg	200		94.4	66.4-124	5.10	23.4	
DRO >C10-C28	199	10.0	mg/kg	200		99.3	61.6-132	15.4	23.1	
Surrogate: 1-Chlorooctane	46.5		mg/kg	50.5		92.1	65.2-140			
Surrogate: 1-Chlorooctadecane	47.2		mg/kg	50.0		94.4	63.6-154			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702

Project: JHHC SWMF NM-02-0021
Project Number: JHHC
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
27-Nov-12 11:45

Total Metals - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2112604 - EPA 3050
Blank (2112604-BLK1)

Prepared: 12-Nov-12 Analyzed: 26-Nov-12

Manganese	ND	0.005	mg/kg dry wt.							
Aluminum	ND	0.05	mg/kg dry wt.							
Copper	ND	0.02	mg/kg dry wt.							
Potassium	ND	1.0	mg/kg dry wt.							
Iron	ND	0.05	mg/kg dry wt.							
Strontium	ND	1.0	mg/kg dry wt.							
Barium	ND	1.0	mg/kg dry wt.							
Magnesium	ND	1.0	mg/kg dry wt.							
Zinc	ND	0.05	mg/kg dry wt.							

LCS (2112604-BS1)

Prepared: 12-Nov-12 Analyzed: 26-Nov-12

Sodium	6.0		mg/L	6.48		92.7	85-115			
Calcium	4.0		mg/L	4.00		100	85-115			
Potassium	7.6		mg/L	8.00		94.8	85-115			
Zinc	1.9		mg/kg	2.00		94.0	85-115			
Magnesium	19.8		mg/L	20.0		99.0	85-115			
Aluminum	4.0		mg/kg	4.00		101	85-115			
Copper	4.02		mg/kg	4.00		100	85-115			
Iron	3.9		mg/kg	4.00		98.0	85-115			
Manganese	2.0		mg/kg	2.00		98.5	85-115			

LCS Dup (2112604-BSD1)

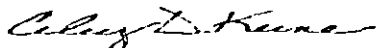
Prepared: 12-Nov-12 Analyzed: 26-Nov-12

Potassium	7.8		mg/L	8.00		98.0	85-115	3.37	20	
Aluminum	4.0		mg/kg	4.00		101	85-115	0.00	20	
Zinc	1.9		mg/kg	2.00		94.5	85-115	0.531	20	
Calcium	4.0		mg/L	4.00		99.5	85-115	0.501	20	

Cardinal Laboratories

*=Accredited Analyte

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 Reported:
 27-Nov-12 11:45

Total Metals - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 2112604 - EPA 3050
LCS Dup (2112604-BSD1)

Prepared: 12-Nov-12 Analyzed: 26-Nov-12

Iron	3.9		mg/kg	4.00		97.5	85-115	0.512	20	
Copper	4.00		mg/kg	4.00		100	85-115	0.499	20	
Manganese	2.0		mg/kg	2.00		98.0	85-115	0.509	20	
Magnesium	19.8		mg/L	20.0		99.0	85-115	0.00	20	
Sodium	6.0		mg/L	6.48		92.7	85-115	0.00	20	

Batch 2112605 - EPA 3050
Blank (2112605-BLK1)

Prepared: 15-Nov-12 Analyzed: 20-Nov-12

Cadmium	ND	0.0001	mg/kg dry wt.							
Barium	ND	0.0005	mg/kg dry wt.							
Selenium	ND	0.001	mg/kg dry wt.							
Chromium	ND	0.001	mg/kg dry wt.							
Arsenic	ND	0.0005	mg/kg dry wt.							
Lead	ND	0.0005	mg/kg dry wt.							
Silver	ND	0.0001	mg/kg dry wt.							

LCS (2112605-BS1)

Prepared: 15-Nov-12 Analyzed: 20-Nov-12

Silver	0.0524		mg/L	0.0500		105	85-115			
Lead	0.05		mg/L	0.0500		105	85-115			
Cadmium	0.0551		mg/L	0.0500		110	85-115			
Barium	0.05		mg/L	0.0500		107	85-115			
Selenium	0.269		mg/L	0.250		108	85-115			
Chromium	0.049		mg/L	0.0500		98.8	85-115			
Arsenic	0.053		mg/L	0.0500		106	85-115			

LCS Dup (2112605-BSD1)

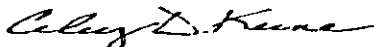
Prepared: 15-Nov-12 Analyzed: 20-Nov-12

Selenium	0.259		mg/L	0.250		104	85-115	3.79	20	
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 MIDLAND TX, 79702

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 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

Total Metals by ICPMS - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2112605 - EPA 3050
LCS Dup (2112605-BSD1)

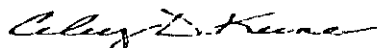
Prepared: 15-Nov-12 Analyzed: 20-Nov-12

Cadmium	0.0523		mg/L	0.0500		105	85-115	5.21	20	
Silver	0.0495		mg/L	0.0500		99.0	85-115	5.69	20	
Barium	0.05		mg/L	0.0500		106	85-115	0.562	20	
Lead	0.05		mg/L	0.0500		103	85-115	1.92	20	
Chromium	0.050		mg/L	0.0500		100	85-115	1.21	20	
Arsenic	0.050		mg/L	0.0500		101	85-115	4.83	20	

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 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

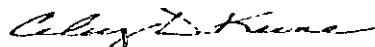
Mercury (Total) by CVAA - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2112606 - EPA 7471										
Blank (2112606-BLK1)										
					Prepared: 13-Nov-12 Analyzed: 14-Nov-12					
Mercury	ND	0.100	mg/kg dry wt.							
LCS (2112606-BS1)										
					Prepared: 13-Nov-12 Analyzed: 14-Nov-12					
Mercury	1.00		mg/kg	1.00		100	85-115			
LCS Dup (2112606-BSD1)										
					Prepared: 13-Nov-12 Analyzed: 14-Nov-12					
Mercury	1.00		mg/kg	1.00		100	85-115	0.00	20	

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MIDLAND TX, 79702

Project: JHHC SWMF NM-02-0021
Project Number: JHHC
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
27-Nov-12 11:45

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2103104 - Volatiles

Blank (2103104-BLK1) Prepared: 31-Oct-12 Analyzed: 01-Nov-12

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (P11D)	0.0529		mg/kg	0.0500		106	89.4-126			

LCS (2103104-BS1) Prepared: 31-Oct-12 Analyzed: 01-Nov-12

Benzene	1.86	0.050	mg/kg	2.00		93.2	80.7-116			
Toluene	2.05	0.050	mg/kg	2.00		102	89.7-121			
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	91.4-124			
Total Xylenes	5.95	0.150	mg/kg	6.00		99.1	93.4-130			
Surrogate: 4-Bromofluorobenzene (P11D)	0.0507		mg/kg	0.0500		101	89.4-126			

LCS Dup (2103104-BS1) Prepared: 31-Oct-12 Analyzed: 01-Nov-12

Benzene	1.96	0.050	mg/kg	2.00		97.9	80.7-116	4.88	20	
Toluene	2.16	0.050	mg/kg	2.00		108	89.7-121	5.31	20	
Ethylbenzene	2.19	0.050	mg/kg	2.00		109	91.4-124	6.00	20	
Total Xylenes	6.31	0.150	mg/kg	6.00		105	93.4-130	5.97	20	
Surrogate: 4-Bromofluorobenzene (P11D)	0.0512		mg/kg	0.0500		102	89.4-126			

Batch 2110105 - Volatiles

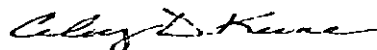
Blank (2110105-BLK1) Prepared: 01-Nov-12 Analyzed: 02-Nov-12

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (P11D)	0.0531		mg/kg	0.0500		106	89.4-126			

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Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
27-Nov-12 11:45

Volatile Organic Compounds by EPA Method 8021 - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2110105 - Volatiles

LCS (2110105-BS1) Prepared: 01-Nov-12 Analyzed: 02-Nov-12

Benzene	1.91	0.050	mg/kg	2.00		95.6	80.7-116			
Toluene	2.09	0.050	mg/kg	2.00		104	89.7-121			
Ethylbenzene	2.10	0.050	mg/kg	2.00		105	91.4-124			
Total Xylenes	6.34	0.150	mg/kg	6.00		106	93.4-130			
Surrogate: 4-Bromofluorobenzene (P1D)	0.0509		mg/kg	0.0500		102	89.4-126			

LCS Dup (2110105-BS1) Prepared: 01-Nov-12 Analyzed: 02-Nov-12

Benzene	2.34	0.050	mg/kg	2.00		117	80.7-116	19.9	20	
Toluene	2.52	0.050	mg/kg	2.00		126	89.7-121	18.6	20	
Ethylbenzene	2.51	0.050	mg/kg	2.00		126	91.4-124	17.8	20	
Total Xylenes	7.57	0.150	mg/kg	6.00		126	93.4-130	17.7	20	
Surrogate: 4-Bromofluorobenzene (P1D)	0.0508		mg/kg	0.0500		102	89.4-126			

Batch 2110203 - Volatiles

Blank (2110203-BLK1) Prepared: 02-Nov-12 Analyzed: 03-Nov-12

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEN	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (P1D)	0.0541		mg/kg	0.0500		108	89.4-126			

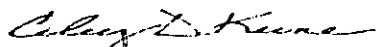
LCS (2110203-BS1) Prepared: 02-Nov-12 Analyzed: 03-Nov-12

Benzene	1.76	0.050	mg/kg	2.00		88.1	80.7-116			
Toluene	1.93	0.050	mg/kg	2.00		96.7	89.7-121			
Ethylbenzene	1.94	0.050	mg/kg	2.00		97.1	91.4-124			
Total Xylenes	5.89	0.150	mg/kg	6.00		98.1	93.4-130			
Surrogate: 4-Bromofluorobenzene (P1D)	0.0519		mg/kg	0.0500		104	89.4-126			

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 MIDLAND TX, 79702

 Project: JHHC SWMF NM-02-0021
 Project Number: JHHC
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 27-Nov-12 11:45

Volatile Organic Compounds by EPA Method 8021 - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2110203 - Volatiles
LCS Dup (2110203-BSD1)

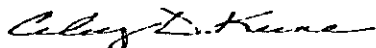
Prepared: 02-Nov-12 Analyzed: 03-Nov-12

Benzene	2.10	0.050	mg/kg	2.00		105	80.7-116	17.5	20	
Toluene	2.31	0.050	mg/kg	2.00		116	89.7-121	17.8	20	
Ethylbenzene	2.33	0.050	mg/kg	2.00		117	91.4-124	18.4	20	
Total Xylenes	7.07	0.150	mg/kg	6.00		118	93.4-130	18.3	20	
Surrogate: 4-Bromofluorobenzene (PID)	0.0317		mg/kg	0.0500		103	89.4-126			

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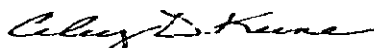
Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
GAL	Analysis subcontracted to Green Analytical Laboratories, a subsidiary of Cardinal Laboratories.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

(Circle or Specify Method No.)

Company Name:		BILL TO Company:		PO#	
John H. Hendrix Corporation		John H. Hendrix Corporation			
Project Manager:		Project Manager:			
Carolyn Haynes		Carolyn Haynes			
Address: (Street, City, Zip)		Address: (Street, City, Zip)		Fax#:	
PO Box 910, Eunice NM 88231		PO Box 3040, Midland TX 79702-3040			
Phone #:		Phone #:		Email:	
(575) 394-2649		(432) 684-6631		cdoranhaynes@jhhc.org	
Project #:		Project Name:			
John H. Hendrix Corporation		JHHC Surface Waste Management Facility (NM-02-0021)			
Project Location:		Sampler Name:			
T24S, R36E, Sec 15, W/2 NW/4 & W/2 SW/4, Lea County NM		Gil Van Deventer			

[illegible]

Relinquished by: *[Signature]* Date: 10/20/12 Time: 4:37 PM

Received by: John M. Mulla Date: 10/15/17 Time: 4:20 PM

Relinquished by: _____ Date: _____ Time: _____

Received By: (Laboratory Staff)	Date:	Time:
---------------------------------	-------	-------

Delivered By: (Circle One)

[illegible]

CHECKED BY:

Sampler - UPS - Bus - Other:

	Cool	Intac
Yes	☒	☒
No	☐	☐

(Initials)

Phone Results	Yes	No
---------------	-----	----

Fax Results	Yes	No	Additional Fax Number:
-------------	-----	----	------------------------

REMARKS:

Email Results to:

cdoranhaynes@jhhc.org
gil@trident-environmental.com

Cardinal Laboratories, Inc. 101 East Marland - Hobbs, New Mexico 88240 Tel (575) 393-2326 Fax (575) 393-2476										CHAIN-OF-CUSTODY AND ANALYSIS REQUEST																												
Company Name: John H. Hendrix Corporation Project Manager: Carolyn Haynes Address: (Street, City, Zip) PO Box 910, Eunice NM 88231 Phone #: (575) 394-2649 Fax#: (575) 394-2653					BILL TO Company: PO# John H. Hendrix Corporation Project Manager: Carolyn Haynes Address: (Street, City, Zip) PO Box 3040, Midland TX 79702-3040 Phone #: (432) 684-6631 Email: cdoranhaynes@jhhc.org					LAB Order ID # _____																												
Project #: John H. Hendrix Corporation Project Location: T24S, R36E, Sec 15, W/2 NW/4 & W/2 SW/4, Lea County NM										ANALYSIS REQUEST (Circle or Specify Method No.)																												
Project Name: JHHC Surface Waste Management Facility (NM-02-0021) Sampler Name: Gil Van Deventer										<table border="1" style="width:100%; border-collapse: collapse; font-size: 8px;"> <tr> <td>MTBE 8021B/602</td> <td>BTEX 8021 B</td> <td>TPH 8015M</td> <td>PAH 8270C</td> <td>RCRA Metals: Ag As Ba Cd Cr Pb Se Hg</td> <td>WQCC Metals: Al Cu Fe Mn Zn</td> <td>TCLP Volatiles</td> <td>TCLP Semi Volatiles</td> <td>TCLP Pesticides</td> <td>RCI</td> <td>GC/MS Vol. 8260B/624</td> <td>GC/MS Semi. Vol. 8270C/625</td> <td>Moisture Content</td> <td>Cations (Ca, Mg, K, Na)</td> <td>Anions (Cl, SO₄, CO₃, HCO₃, T-ALK)</td> <td>Total Dissolved Solids (SM2540C)</td> <td>Chlorides (SM4500 B or 300.1)</td> <td>SPLP Chloride</td> <td>Turn Around Time ~ 24 Hours</td> </tr> </table>										MTBE 8021B/602	BTEX 8021 B	TPH 8015M	PAH 8270C	RCRA Metals: Ag As Ba Cd Cr Pb Se Hg	WQCC Metals: Al Cu Fe Mn Zn	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	Moisture Content	Cations (Ca, Mg, K, Na)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃ , T-ALK)	Total Dissolved Solids (SM2540C)	Chlorides (SM4500 B or 300.1)	SPLP Chloride	Turn Around Time ~ 24 Hours
MTBE 8021B/602	BTEX 8021 B	TPH 8015M	PAH 8270C	RCRA Metals: Ag As Ba Cd Cr Pb Se Hg	WQCC Metals: Al Cu Fe Mn Zn	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	Moisture Content	Cations (Ca, Mg, K, Na)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃ , T-ALK)	Total Dissolved Solids (SM2540C)	Chlorides (SM4500 B or 300.1)	SPLP Chloride	Turn Around Time ~ 24 Hours																				
LAB #		FIELD CODE		(G)rab or (C)omp	# CONTAINERS	MATRIX			PRESERVATIVE METHOD			SAMPLING																										
(LAB USE ONLY)						WATER	SOIL	AIR	SLUDGE	HCL	HNO ₃	NaHSO ₄	H ₂ SO ₄	ICE	None	DATE	TIME																					
11		10B-1 (1')		G	1	X								X		10/30/12	1135																					
12		10B-1 (3')		G	2	X								X		10/30/12	1140																					
13		10C (1')		G	1	X								X		10/30/12	1220																					
14		10C (3')		G	2	X								X		10/30/12	1225																					
15		10C-1 (1')		G	1	X								X		10/30/12	1240																					
16		10C-1 (3')		G	2	X								X		10/30/12	1245																					
17		11A (1')		G	1	X								X		10/30/12	1405																					
18		11A (3')		G	2	X								X		10/30/12	1410																					
19		11B (1')		G	1	X								X		10/30/12	1350																					
20		11B (3')		G	2	X								X		10/30/12	1355																					
Relinquished by: <i>[Signature]</i> Date: 10/30/12 Time: 4:20 PM										Received by: <i>[Signature]</i> Date: 10/30/12 Time: 4:20 PM										Phone Results: Yes ☐ No ☐		Fax Results: Yes ☐ No ☐		Additional Fax Number:														
Relinquished by: _____ Date: _____ Time: _____										Received By: (Laboratory Staff) _____ Date: _____ Time: _____										REMARKS: Email Results to: cdoranhaynes@jhhc.org gil@trident-environmental.com																		
Delivered By: (Circle One)										Sample Condition: Cool ☒ Intact ☒ Yes ☒ No ☐																												
Sam - UPS - Bus - Other:										CHECKED BY: <i>[Signature]</i> (Initials)																												

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

ANALYSIS REQUEST

(Circle or Specify Method No.)

BILL TO Company:
John H. Hendrix Corporation

Project Manager:
Carolyn Haynes

Address: (Street, City, Zip) Fax#:
PO Box 3040, Midland TX 79702-3040

Phone #:	Email:
(432) 684-6631	cdoranhaynes@jhhc.org

Project Name: JHHC Surface Waste Management Facility (NM-02-0021)

Project Location:	Sampler Name:
T24S, R36E, Sec 15, W/2 NW/4 & W/2 SW/4, Lea County NM	Gil Van Deventer

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX				PRESERVATIVE METHOD					SAMPLING		MTBE 8021B/602	BTX 8021 B	TPH 8015M	PAH 8270C	RCRA Metals: Ag As Ba Cd Cr Cu Hg Mn Ni Pb Se V Zn	WQCC Metals: Al Cu Fe	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GCMS Vol. 8260B/624	GCMS Semi. Vol. 8270C	Moisture Content	Cations (Ca, Mg, K, Na)	Anions (Cl, SO4, CO3, HCO3)	Total Dissolved Solids (SD)	Chlorides (SM4500 B or 3)	SPLP Chloride	Turn Around Time ~ 24 Hrs		
				WATER	SOIL	AIR	SLUDGE	HCL	HNO3	NaHSO4	H2SO4	ICE	None	DATE																				TIME	
21	11B-1 (1')	G	1	X						X			10/30/12	1350	X	X																	X		
22	11B-1 (3')	G	2	X						X			10/30/12	1355	X	X		X	X										X	X					
23	11C (1')	G	1	X						X			10/30/12	1300	X	X																	X		
24	11C (3')	G	2	X						X			10/30/12	1305	X	X		X	X										X	X					
25	12A (1')	G	1	X						X			10/30/12	1425	X	X																	X		
26	12A (3')	G	2	X						X			10/30/12	1450	X	X		X	X										X	X					
27	12A-1 (1')	G	1	X						X			10/30/12	1445	X	X																	X		
28	12A-1 (3')	G	2	X						X			10/30/12	1450	X	X		X	X										X	X					
29	12B (1')	G	1	X						X			10/30/12	1510	X	X																	X		
30	12B (3')	G	2	X						X			10/30/12	1515	X	X		X	X										X	X					
31	12C (1')	G	1	X						X			10/30/12	1535	X	X																	X		
32	12C (3')	G	2	X						X			10/30/12	1540	X	X		X	X										X	X					

Received by: M. J. [Signature] Date: 10/15/11 Time: 4:10

Received By: (Laboratory Staff) Date: Time: / /

Sample Condition

CHECKED BY:

1 Sampler - UPS - Bus - Other:

	Cool	Intact
Yes	☒	☒
No	☐	☐

(Initiats)

Phone Results	Yes	No
Fax Results	Yes	No Additional Fax Number:

REMARKS:

Email Results to:

cdoranhaynes@jhhc.org
gil@trident-environmental.com