

NM2 - _____21_____

**MONITORING
REPORTS
YEAR(S):**

____2011____

Subject: 2011 Operations and Monitoring Report - Centralized Surface Waste Management Facility (NM-02-021)
From: Gil Van Deventer <gil@trident-environmental.com>
Date: 01/22/12 3:37 PM
To: "Jones, Brad A., EMNRD" <brad.a.jones@state.nm.us>
CC: Carolyn Haynes <cdoranhaynes@jhhc.org>, Geoffrey Leking <GeoffreyR.Leking@state.nm.us>

Brad

As agent for John H. Hendrix Corporation (JHHC), Trident Environmental submits the attached *2011 Operations and Monitoring Report* to the NM, CD for the JHHC Centralized Surface Waste Management Facility (NM-02-021) in Lea County New Mexico. A hard copy of this report and one copy on compact disk is being sent to you via USPS Certified Mail (#7009 2250 0001 4928 0308). A copy will also be provided to the District 1 office in Hobbs.

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 575-390-9689, if you have any questions.

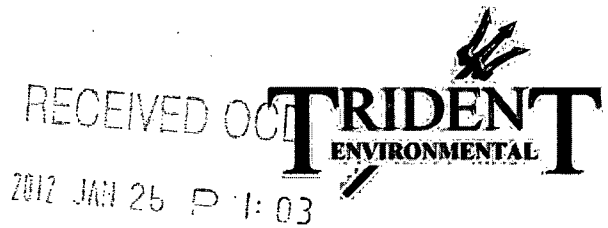
Thanks - Gil

Gilbert J. Van Deventer, PG, REM
Trident Environmental
PO Box 12177
Odessa TX 79768
(432) 638-8740

Attachments:

2011_OMR.pdf

2.7 MB



CERTIFIED MAIL
RETURN RECEIPT NO. 7009 2250 0001 4928 0308

January 19, 2012

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
2011 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 2011, 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 10B and 10C no longer receive imported soil and are tilled once every two weeks (biweekly) to enhance the biodegradation of petroleum hydrocarbons. Cells 1A, 1B, and 1C are closed, and cells 11 and 12 have reached capacity and discontinued accepting imported soil.

No soils were transported to the landfarm during 2010 and 2011. 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 2011 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 (Garmin *eTrex*™ GPS) 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 2011 semi-annual event on April 4, 2011, and the annual sampling event on October 18, 2011, 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 2011. 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, 10C, 11C, 12A, and 12C, and only slightly exceeded in cells 10B (395 mg/kg), 11A (254 mg/kg), 11B (619 mg/kg), and 12B (602 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 2011, 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 368 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 18, 2011, were less than 55.5 mg/kg and 74.9 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. 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 these metal COCs in the TZ have consistently been less than the VZ values in cells 1A, 1B, 10B, 10C, 11B, and 12C, 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 recommended that further sampling and tilling of cells 1A, 1B, 1C, 11A, 11B, 11C, 12A, 12B, and 12C be discontinued since laboratory results have consistently shown that benzene, BTEX, TPH, and chloride are below the permitted remediation target levels of 10 mg/kg, 50 mg/kg, 100 mg/kg, and 1,000 mg/kg, respectively. In fact, with the exception of TPH in cells 10B and 10C, and slight TPH exceedences in cells 11A, 11B, and 12C, all other treatment zone soils 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 and 10C until it is confirmed that target remediation levels have been met. Tilling of the treatment zone will continue in cells 10B and 10C to further degrade the petroleum hydrocarbons until remediation target levels are achieved.

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 575-390-9689, if you have any questions.

Sincerely,

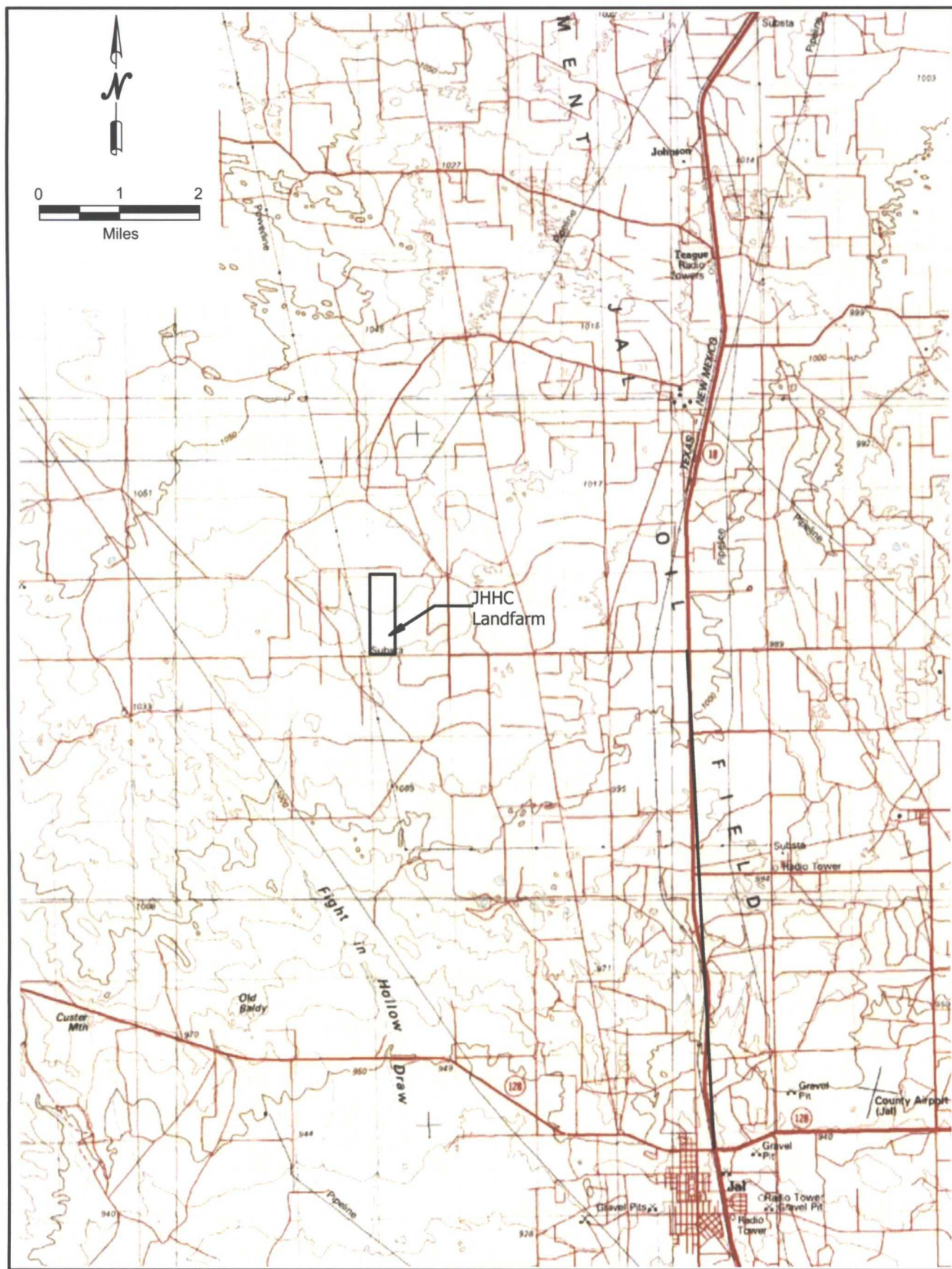
A handwritten signature in black ink, appearing to read "G. Van Deventer", with a long horizontal stroke extending to the right.

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

Enclosures

cc: Carolyn Haynes (JHHC)
Geoffrey Leking (OCD-District 1)

FIGURES



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

FIGURE 1
SITE LOCATION MAP
(USGS - Jal NM 100K Quadrangle)

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)	Ethyl-benzene (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)
7B	11/29/04	Background	Facility (2' -3')	<0.025	<0.025	<0.025	<0.025	<0.1	<10	<10	<20	<20
1A	03/02/06	Background	SS-1A (2' -3')	<0.025	<0.025	<0.025	<0.025	<0.1	<10	<10	<20	5.01
	10/24/06	Treatment	1-A-1 (0' -1')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	5.69	5.69	12.1
	10/24/06		1-A-2 (0' -1')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	<10	<10	15.0
	04/10/07		1A (0' -1')	<0.003	<0.004	<0.004	<0.004	<0.016	<0.065	<2.76	<2.82	6.2
	04/10/07		1A-1 (0' -1')	<0.003	<0.004	<0.004	<0.004	<0.016	<0.059	<2.87	<2.93	29
	10/09/07		1A (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.016	<0.058	<3.04	<3.10	<5.11
	10/09/07		1A-1 (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.017	<0.056	3.80	3.86	6.7
	03/13/08		1A (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.018	<0.056	<1.50	<1.56	90.1
	03/13/08		1A-1 (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.017	<0.057	<1.54	<1.60	12.8
	04/07/10		1A (0' -1')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	<16
	11/03/10		1A (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	04/04/11		1A (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	5.7
	10/18/11		1A (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	96
	10/24/06	Vadose	1-A-1 (3' -4')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	<10	<10	211
	10/24/06		1-A-2 (3' -4')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	<10	<10	38.1
	04/10/07		1A (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.016	<0.065	<2.87	<2.93	<4.92
	04/10/07		1A-1 (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.016	<0.060	<2.72	<2.78	320
	10/15/07		1A (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.018	<0.058	4.06	4.06	<5.33
	10/15/07		1A-1 (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.020	<0.063	<3.20	<3.26	<5.57
	03/20/08		1A (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.018	<0.058	<3.25	<3.31	<5.59
	03/20/08		1A-1 (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.018	<0.055	<2.92	<2.98	<5.13
	04/07/10		1A (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	<16
	11/03/10		1A (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	04/04/11		1A (3')	<0.050	0.071	<0.050	<0.150	<0.300	<10	<10	<20	<4
	10/18/11		1A (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	240
1B	04/12/07	Background	SS-1B (2' -3')	<0.003	<0.004	<0.004	<0.004	<0.016	<0.067	<2.83	<2.90	<4.96
	10/24/06	Treatment	1-B-1 (0' -1')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	16.5	16.5	53.3
	10/24/06		1-B-2 (0' -1')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	9.79	9.79	87.0
	04/10/07		1B (0' -1')	<0.003	<0.004	<0.004	<0.004	<0.016	<0.063	<2.79	<2.85	226
	04/10/07		1B-1 (0' -1')	<0.003	<0.004	<0.004	<0.004	<0.015	<0.069	<2.83	<2.90	213
	10/09/07		1B (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.018	<0.061	5.65	5.65	74.7
	10/09/07		1B-1 (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.017	<0.055	6.53	6.53	92.0
	03/13/08		1B (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.016	<0.054	<1.44	<1.49	11.7
	03/13/08		1B-1 (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.017	<0.057	146	146	12.9
	04/07/10		1B (0' -1')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	<16
	04/07/10		1B-1 (0' -1')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	73.4	73.4	128
	11/03/10		1B (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	8
	11/03/10		1B-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	100
	04/04/11		1B (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	22	22	96
	04/04/11		1B-1 (1')	<0.050	0.073	<0.050	<0.150	<0.300	<10	<10	<20	16
	10/18/11		1B (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	22	22	240
	10/18/11		1B-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	8
	10/24/06	Vadose	1-B-1 (3' -4')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	11.3	11.3	140
	10/24/06		1-B-2 (3' -4')	<0.025	<0.025	<0.025	<0.050	<0.125	<10	6.8	6.8	18.3
	04/12/07		1B (2' -3')	<0.003	<0.004	<0.004	<0.004	<0.016	<0.063	<2.64	<2.70	21.0
	04/12/07		1B-1 (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.017	<0.059	<2.75	<2.81	<4.98
	10/15/07		1B (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.016	<0.063	4.88	4.88	<5.34
	03/20/08		1B (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.018	<0.055	<2.92	<2.97	<5.17
	03/20/08		1B-1 (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.016	<0.059	<3.21	<3.27	<5.53
	04/07/10		1B (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	<16
	04/07/10		1B-1 (1.5')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	48
	11/03/10		1B (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	11/03/10		1B-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	100
	04/04/11		1B (3')	<0.050	0.115	<0.005	<0.150	<0.300	<10	<10	<20	32
	04/04/11		1B-1 (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	10/18/11		1B (3')	<0.050	0.115	<0.005	<0.150	<0.300	<10	<10	<20	128
	10/18/11		1B-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)	Xylene (mg/kg)	BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	TPH C6-C28 (mg/kg)	Chloride (mg/kg)
1C	04/12/07	Background	SS-1C (0' -1')	<0.003	<0.005	<0.005	<0.005	<0.016	<0.0625	<2.88	<2.94	<4.93
	03/25/09	Treatment	1C (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	45.3	45.3	---
	10/01/09		1C (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	213	213	16
	04/07/10		1C (0' -1')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	206	206	<16
	11/03/10		1C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	04/04/11		1C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	28.8	28.8	<4
	10/18/11		1C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
	03/25/09	Vadose	SS-1C (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	---
	10/01/09		1C (2' -3')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	<10	<20	180
	04/07/10		1C (2' -3')	<0.050	<0.050	<0.050	<0.300	<0.300	<10	<10	<20	96
	11/03/10		1C (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	<4
	04/04/11		1C (3')	<0.050	0.065	<0.050	<0.150	<0.300	<10	<10	<20	<4
	10/18/11		1C (3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	<10	<20	4
2A	01/07/08	Background	2A (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.016	<0.061	<5.67	<5.73	<5.01
2B	01/07/08	Background	2B (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.019	<0.071	<6.83	<6.90	<5.95
2C	01/07/08	Background	2C (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.018	<0.066	<6.20	<6.27	<5.43
10A	01/07/08	Background	10A (2' -3')	<0.003	<0.005	<0.005	<0.005	<0.017	<0.061	<6.25	<6.31	<5.24
10B	01/07/08	Background	10B (2' -3')	<0.005	<0.014	<0.014	<0.014	<0.046	<0.19	<6.2	<6.2	<5.21
	10/01/09	Treatment	10B (0' -1')	<0.050	<0.050	<0.050	<0.050	<0.300	<50	11,000	11,000	400
	10/01/09		10B-1 (0' -1')	<0.050	<0.050	0.056	<0.050	<0.300	<50	11,100	11,100	448
	04/07/10		10B (0' -1')	<0.050	<0.050	<0.050	<0.300	<0.300	<50	19,700	19,700	416
	04/07/10		10B-1 (0' -1')	<0.050	<0.050	0.056	<0.300	<0.300	<50	17,300	17,300	320
	11/03/10		10B (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	2,090	2,090	48
	11/03/10		10B-1 (1')	<0.050	<0.050	0.056	<0.150	<0.300	<10	143	143	84
	04/04/11		10B (1')	<0.050	0.115	<0.005	<0.150	<0.300	<50	11500	11500	656
	04/04/11		10B-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<50	4640	4640	112
	10/18/11		10B (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	13.1	13.1	4
	10/18/11		10B-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<50	395	395	80
	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
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	5670	5670	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

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)	Xylene (mg/kg)	BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	TPH C6-C28 (mg/kg)	Chloride (mg/kg)
10C	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	11.6	<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
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
	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
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
	03/20/08	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	10.9	<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

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)	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	61.6	61.6	9.8
	10/18/11		11C (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	65.1	65.1	48
	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
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	82.0	82.0	<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	Vadose	12A-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	69.9	69.6	<4
	10/18/11		12A (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	24.9	24.9	4
	10/18/11		12A-1 (1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10	43.6	43.6	4
	03/20/08		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

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)	Xylene (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
	03/02/06	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	<16.0	<16.0	<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
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	66.6	66.6	---
	10/01/09		12C (0' - 1')	<0.050	<0.050	<0.050	<0.050	<0.300	<10	26.4	26.4	<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	80.3	80.3	4
	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

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
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	0.22	5.06	2.98	<0.098	<1.0	2.73	4,160	44.9	10.4

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
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
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
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
11A	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
	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

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
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
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	0.31	6.31	3.57	<0.097	<1.0	2.67	6,540	55.6	17.6
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

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
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	0.32	7.51	4.52	<0.099	<1.0	2.98	8,000	78.1	18.1
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	0.28	5.40	3.08	<0.100	<1.0	2.98	5,380	59.1	14.2
Background Screening Values				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
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	97.6
	04/07/10		1B-1 (1.5')	416	32500	1590	939	157	48	307	508
	11/03/10		1B (3')	20	1,920	1,870	2,060	<50	<4	38.8	24.4
	11/03/10		1B-1 (3')	104	3,190	1,540	1,780	<50	100	72.6	127
	10/18/11		1B (3')	32	6,580	3,200	1,390	348	128	84.8	39.0
	10/18/11		1B-1 (3')	200	10,600	631	807	135	4	708	244
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	48.8
	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	51.3	58.6
	10/18/11		1C (3')	72	1,070	1,060	999	<100	4	<25	87.8
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	29.3
	10/01/09		10B-1 (2' -3')	44	60.1	24.3	20.8	<5	<80	<125	53.7
	04/07/10		10B (2' -3')	80	870	691	962	<50	16	<40	97.6
	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	88.0
	10/18/11		10B (3')	96	5,400	1,060	1,160	<100	4	23.1	117
	10/18/11		10B-1 (3')	124	11,100	1,520	1,630	121	8	92.6	151.0

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	78.0
	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	39.0
	11/03/10		10C-1 (3')	64	574	597	868	<25	<4	<10	78.1
	10/18/11		10C (3')	88	14,300	3,190	3,190	<100	4	16.8	107
	10/18/11		10C-1 (3')	44	16,800	3,030	2,880	<100	4	<10	53.7
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	12.0
	10/18/11		11A (3')	32	57,100	1,640	1,400	<100	4	72	39
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	51.3	73.5
	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	34.5	63.4
	11/03/10		11B-1 (3')	16	637	596	928	90.6	76	101	19.5
	10/18/11		11B (3')	88	133,000	2,590	1,550	104	304	181	107.0
	10/18/11		11B-1 (3')	80	44,500	1,830	1,660	<100	368	132	97.6
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	43.9
	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	82.2	97.6
	10/18/11		11C (3')	104	12,800	1,150	1,390	<100	32	18.2	127

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	34.2
	10/01/09		12A-1 (2' -3')	32	120	48.6	35.4	<5	<80	<125	39.0
	04/07/10		12A (2' -3')	80	1,930	1,850	2,040	<50	<16	58.6	97.6
	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	78.1
	11/03/10		12A-1 (3')	76	3,110	1,400	1,930	<50	<4	55.4	92.7
	10/18/11		12A (3')	56	2,380	2,300	2,550	<100	4	<10	68.3
	10/18/11		12A-1 (3')	100	58,500	1,810	2,040	<100	4	61.2	122
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	32.0
	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
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 (2' -3')	72	1,950	708	1,060	<50	<4	13.2	87.8
	10/18/11		12C (2' -3')	108	6,490	957	1,230	<100	4	83.0	132

APPENDIX A

Laboratory Analytical Reports and Chains of Custody



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

November 10, 2011

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 10/18/11 17:30.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
1A (1')	H102253-01	Soil	18-Oct-11 11:15	18-Oct-11 17:30
1A (3')	H102253-02	Soil	18-Oct-11 11:20	18-Oct-11 17:30
1B (1')	H102253-03	Soil	18-Oct-11 10:05	18-Oct-11 17:30
1B (3')	H102253-04	Soil	18-Oct-11 10:10	18-Oct-11 17:30
1B-1 (1')	H102253-05	Soil	18-Oct-11 10:25	18-Oct-11 17:30
1B-1 (3')	H102253-06	Soil	18-Oct-11 10:30	18-Oct-11 17:30
1C (1')	H102253-07	Soil	18-Oct-11 10:45	18-Oct-11 17:30
1C (3')	H102253-08	Soil	18-Oct-11 10:50	18-Oct-11 17:30
10B (1')	H102253-09	Soil	18-Oct-11 11:35	18-Oct-11 17:30
10B (3')	H102253-10	Soil	18-Oct-11 11:40	18-Oct-11 17:30
10B-1 (1')	H102253-11	Soil	18-Oct-11 11:55	18-Oct-11 17:30
10B-1 (3')	H102253-12	Soil	18-Oct-11 12:00	18-Oct-11 17:30
10C (1')	H102253-13	Soil	18-Oct-11 12:30	18-Oct-11 17:30
10C (3')	H102253-14	Soil	18-Oct-11 12:35	18-Oct-11 17:30
10C-1 (1')	H102253-15	Soil	18-Oct-11 12:45	18-Oct-11 17:30
10C-1 (3')	H102253-16	Soil	18-Oct-11 12:50	18-Oct-11 17:30
11A (1')	H102253-17	Soil	18-Oct-11 14:45	18-Oct-11 17:30
11A (3')	H102253-18	Soil	18-Oct-11 14:50	18-Oct-11 17:30
11B (1')	H102253-19	Soil	18-Oct-11 14:15	18-Oct-11 17:30
11B (3')	H102253-20	Soil	18-Oct-11 14:20	18-Oct-11 17:30
11B-1 (1')	H102253-21	Soil	18-Oct-11 14:35	18-Oct-11 17:30
11B-1 (3')	H102253-22	Soil	18-Oct-11 14:40	18-Oct-11 17:30
11C (1')	H102253-23	Soil	18-Oct-11 13:45	18-Oct-11 17:30
11C (3')	H102253-24	Soil	18-Oct-11 13:50	18-Oct-11 17:30
12A (1')	H102253-25	Soil	18-Oct-11 16:05	18-Oct-11 17:30
12A (3')	H102253-26	Soil	18-Oct-11 16:10	18-Oct-11 17:30
12A-1 (1')	H102253-27	Soil	18-Oct-11 16:25	18-Oct-11 17:30

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

12A-1 (3')	H102253-28	Soil	18-Oct-11 16:30	18-Oct-11 17:30
12B (1')	H102253-29	Soil	18-Oct-11 15:35	18-Oct-11 17:30
12B (3')	H102253-30	Soil	18-Oct-11 15:40	18-Oct-11 17:30
12C (1')	H102253-31	Soil	18-Oct-11 15:25	18-Oct-11 17:30
12C (3')	H102253-32	Soil	18-Oct-11 15:30	18-Oct-11 17:30

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

**1A (1')
 H102253-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	96.0	16.0	mg/kg	4	1101914	AP	20-Oct-11	4500-Cl-B
-----------------	-------------	------	-------	---	---------	----	-----------	-----------

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M

Surrogate: 1-Chlorooctane	86.6 %	55.5-154	1102107	AB	21-Oct-11	8015M
---------------------------	--------	----------	---------	----	-----------	-------

Surrogate: 1-Chlorooctadecane	85.9 %	57.6-158	1102107	AB	21-Oct-11	8015M
-------------------------------	--------	----------	---------	----	-----------	-------

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	21-Oct-11	8021B

Surrogate: 4-Bromofluorobenzene (PID)	101 %	64.4-134	1102106	MS	21-Oct-11	8021B
---------------------------------------	-------	----------	---------	----	-----------	-------

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

1A (3')

H102253-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Total Metals by ICPMS

Arsenic	2.85	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	55.7	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.362	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	9.77	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	5.63	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.096 mg/kg dry wt.	480	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.0819	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	161	5.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M	
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M	
Chloride	240	16.0 mg/kg	4	1101914	AP	20-Oct-11	4500-Cl-B	
Conductivity	802	0.250 uS/cm	1	1110911	HM	08-Nov-11	120.1	
pH	7.72	0.100 pH Units	1	1110911	HM	08-Nov-11	9045	
Sulfate	8.06	25.0 mg/kg	2.5	1110902	HM	08-Nov-11	375.4	J
Alkalinity, Total	132	4.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M	

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctane		96.6 %	55.5-154		1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		102 %	57.6-158		1102107	AB	21-Oct-11	8015M

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	21-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		99.1 %	64.4-134		1102106	MS	21-Oct-11	8021B

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

**1A (3')
H102253-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

TOTAL METALS BY ICP

Aluminum	9870	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	1070	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	M5, GAL
Copper	3.57	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	8780	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	1520	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	M5, GAL
Manganese	57.5	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	1930	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	482	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	M5, GAL
	19.7	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40

1B (1')

H102253-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	240	16.0	mg/kg	4	1101914	AP	20-Oct-11	4500-Cl-B
----------	-----	------	-------	---	---------	----	-----------	-----------

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctane		82.7 %	55.5-154		1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		83.5 %	57.6-158		1102107	AB	21-Oct-11	8015M

File Organic Compounds by EPA Method 8021

ne	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	21-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		101 %	64.4-134		1102106	MS	21-Oct-11	8021B

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**1B (3')****H102253-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Total Metals by ICPMS**

Arsenic	1.99	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	124	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.331	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	5.01	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	3.07	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.097 mg/kg dry wt.	485	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.0403	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	39.0	5.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M
Chloride	128	16.0 mg/kg	4	1101914	AP	20-Oct-11	4500-Cl-B
Conductivity	910	0.250 uS/cm	1	1110911	HM	08-Nov-11	120.1
pH	7.04	0.100 pH Units	1	1110911	HM	08-Nov-11	9045
Sulfate	84.8	10.0 mg/kg	1	1110902	HM	08-Nov-11	375.4
Alkalinity, Total	32.0	4.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctane		90.2 %	55.5-154		1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		93.1 %	57.6-158		1102107	AB	21-Oct-11	8015M

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	21-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		102 %	64.4-134		1102106	MS	21-Oct-11	8021B

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

1B (3')

H102253-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

TOTAL METALS BY ICP

Aluminum	5990	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	6580	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Copper	3.22	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	4810	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	3200	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Manganese	60.6	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	1390	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	348	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
	20.4	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

**1B-1 (1')
 H102253-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	8.00	4.00	mg/kg	1	1101914	AP	20-Oct-11	4500-Cl-B
-----------------	-------------	------	-------	---	---------	----	-----------	-----------

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctane		81.1 %	55.5-154		1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		79.5 %	57.6-158		1102107	AB	21-Oct-11	8015M

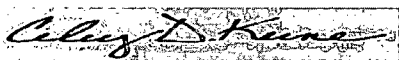
Volatile Organic Compounds by EPA Method 8021

ne	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	21-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		101 %	64.4-134		1102106	MS	21-Oct-11	8021B

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**1B-1 (3')****H102253-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Total Metals by ICPMS**

Arsenic	1.47	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	47.6	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.215	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	5.06	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	2.98	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.098 mg/kg dry wt.	490	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.342	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Organic Compounds

Alkalinity, Bicarbonate	244	5.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M
Chloride	4.00	4.00 mg/kg	1	1101914	AP	20-Oct-11	4500-Cl-B
Conductivity	230	0.250 uS/cm	1	1110911	HM	08-Nov-11	120.1
pH	7.77	0.100 pH Units	1	1110911	HM	08-Nov-11	9045
Sulfate	708	625 mg/kg	62.5	1110902	HM	08-Nov-11	375.4
Alkalinity, Total	200	4.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctane		99.1 %	55.5-154		1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		102 %	57.6-158		1102107	AB	21-Oct-11	8015M

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	21-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		103 %	64.4-134		1102106	MS	21-Oct-11	8021B

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

1B-1 (3')
H102253-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
TOTAL METALS BY ICP

Aluminum	3950	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	10600	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Copper	2.73	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	4160	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	631	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Manganese	44.9	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	807	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	135	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
	10.4	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**1C (1')
H102253-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	4.00	4.00	mg/kg	1	1101914	AP	20-Oct-11	4500-Cl-B
----------	------	------	-------	---	---------	----	-----------	-----------

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctane		94.5 %	55.5-154		1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		99.7 %	57.6-158		1102107	AB	21-Oct-11	8015M

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	21-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		98.9 %	64.4-134		1102106	MS	21-Oct-11	8021B

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

**1C (3')
 H102253-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Total Metals by ICPMS

Arsenic	1.61	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	28.1	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.202	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	5.71	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	3.69	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.096 mg/kg dry wt.	480	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.0295	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Organic Compounds

Alkalinity, Bicarbonate	87.8	5.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M
Chloride	4.00	4.00 mg/kg	1	1101914	AP	20-Oct-11	4500-Cl-B
Conductivity	154	0.250 uS/cm	1	1110911	HM	08-Nov-11	120.1
pH	8.28	0.100 pH Units	1	1110911	HM	08-Nov-11	9045
Sulfate	ND	25.0 mg/kg	2.5	1110902	HM	08-Nov-11	375.4
Alkalinity, Total	72.0	4.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctane		101 %	55.5-154		1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		104 %	57.6-158		1102107	AB	21-Oct-11	8015M

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	21-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		99.6 %	64.4-134		1102106	MS	21-Oct-11	8021B

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

**1C (3')
H102253-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

TOTAL METALS BY ICP

Aluminum	5250	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	1070	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Copper	3.80	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	5370	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	1060	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Manganese	38.4	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	999	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
	10.7	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**10B (1')
H102253-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	4.00	4.00	mg/kg	1	1101914	AP	20-Oct-11	4500-Cl-B	
----------	------	------	-------	---	---------	----	-----------	-----------	--

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M	
DRO >C10-C28	13.1	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M	
Surrogate: 1-Chlorooctane		106 %	55.5-154		1102107	AB	21-Oct-11	8015M	
Surrogate: 1-Chlorooctadecane		112 %	57.6-158		1102107	AB	21-Oct-11	8015M	

Volatile Organic Compounds by EPA Method 8021

Acetone	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B	
Toluene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	21-Oct-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		99.3 %	64.4-134		1102106	MS	21-Oct-11	8021B	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40

10B (3')

H102253-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Total Metals by ICPMS**

Arsenic	1.59	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	43.9	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.276	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	6.19	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	3.35	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.100 mg/kg dry wt.	500	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.0452	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Organic Compounds

Alkalinity, Bicarbonate	117	5.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M
Chloride	4.00	4.00 mg/kg	1	1102005	AP	20-Oct-11	4500-Cl-B
Conductivity	234	0.250 uS/cm	1	1110911	HM	08-Nov-11	120.1
pH	8.40	0.100 pH Units	1	1110911	HM	08-Nov-11	9045
Sulfate	23.1	10.0 mg/kg	1	1110902	HM	08-Nov-11	375.4
Alkalinity, Total	96.0	4.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctane		104 %	55.5-154		1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		106 %	57.6-158		1102107	AB	21-Oct-11	8015M

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	21-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		101 %	64.4-134		1102106	MS	21-Oct-11	8021B

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

**10B (3')
H102253-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

TOTAL METALS BY ICP

Aluminum	4590	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	5400	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Copper	3.86	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	5220	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	1060	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Manganese	54.6	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	1160	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
	13.2	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

**10B-1 (1')
 H102253-11 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	80.0	16.0	mg/kg	4	1102005	AP	20-Oct-11	4500-Cl-B	
----------	------	------	-------	---	---------	----	-----------	-----------	--

Organic Compounds

GRO C6-C10	ND	50.0	mg/kg	5	1102107	AB	21-Oct-11	8015M	
DRO >C10-C28	395	50.0	mg/kg	5	1102107	AB	21-Oct-11	8015M	
Surrogate: 1-Chlorooctane		71.4 %	55.5-154		1102107	AB	21-Oct-11	8015M	
Surrogate: 1-Chlorooctadecane		78.7 %	57.6-158		1102107	AB	21-Oct-11	8015M	

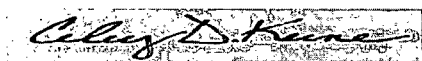
Volatile Organic Compounds by EPA Method 8021

Acetone	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B	
Toluene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	21-Oct-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		100 %	64.4-134		1102106	MS	21-Oct-11	8021B	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**10B-1 (3')
H102253-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Total Metals by ICPMS**

Arsenic	2.49	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	71.7	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.407	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	8.67	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	4.69	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.096 mg/kg dry wt.	480	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.0893	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	151	5.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M
Chloride	8.00	4.00 mg/kg	1	1102005	AP	20-Oct-11	4500-Cl-B
Conductivity	444	0.250 uS/cm	1	1110911	HM	08-Nov-11	120.1
pH	8.48	0.100 pH Units	1	1110911	HM	08-Nov-11	9045
Sulfate	92.6	10.0 mg/kg	1	1110902	HM	08-Nov-11	375.4
Alkalinity, Total	124	4.00 mg/kg	1	1102105	HM	08-Nov-11	310.1M

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctane		97.1 %	55.5-154		1102107	AB	21-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		97.3 %	57.6-158		1102107	AB	21-Oct-11	8015M

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	21-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		101 %	64.4-134		1102106	MS	21-Oct-11	8021B

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

**10B-1 (3')
 H102253-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
TOTAL METALS BY ICP

Aluminum	9480	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	11100	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Copper	3.92	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	8210	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	1520	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Manganese	58.6	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	1630	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	121	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
	21.7	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40

10C (1')

H102253-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	4.00	4.00	mg/kg	1	1102005	AP	20-Oct-11	4500-Cl-B	
----------	------	------	-------	---	---------	----	-----------	-----------	--

Organic Compounds

GRO C6-C10	ND	50.0	mg/kg	5	1102107	AB	22-Oct-11	8015M	
DRO >C10-C28	111	50.0	mg/kg	5	1102107	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctane		91.4 %	55.5-154		1102107	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctadecane		99.6 %	57.6-158		1102107	AB	22-Oct-11	8015M	

Volatile Organic Compounds by EPA Method 8021

Acetone	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B	
Toluene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	21-Oct-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		99.8 %	64.4-134		1102106	MS	21-Oct-11	8021B	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

**10C (3')
 H102253-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Total Metals by ICPMS

Arsenic	3.96	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	139	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.611	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	13.9	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	7.81	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.097 mg/kg dry wt.	485	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.0782	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	107	5.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M
Chloride	4.00	4.00 mg/kg	1	1102005	AP	20-Oct-11	4500-Cl-B
Conductivity	239	0.250 uS/cm	1	1110911	HM	08-Nov-11	120.1
pH	8.31	0.100 pH Units	1	1110911	HM	08-Nov-11	9045
Sulfate	16.8	10.0 mg/kg	1	1110902	HM	08-Nov-11	375.4
Alkalinity, Total	88.0	4.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102107	AB	22-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102107	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctane		98.8 %	55.5-154		1102107	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		104 %	57.6-158		1102107	AB	22-Oct-11	8015M

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	21-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		100 %	64.4-134		1102106	MS	21-Oct-11	8021B

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

**10C (3')
H102253-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

TOTAL METALS BY ICP

Aluminum	17900	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	14300	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Copper	4.40	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	14700	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	3190	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Manganese	100	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	3190	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
	39.6	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

**10C-1 (1')
 H102253-15 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	4.00	4.00	mg/kg	1	1102005	AP	20-Oct-11	4500-Cl-B
-----------------	-------------	------	-------	---	---------	----	-----------	-----------

Organic Compounds

GRO C6-C10	ND	50.0	mg/kg	5	1102107	AB	22-Oct-11	8015M
DRO >C10-C28	107	50.0	mg/kg	5	1102107	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctane		94.7 %	55.5-154		1102107	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		82.5 %	57.6-158		1102107	AB	22-Oct-11	8015M

Volatile Organic Compounds by EPA Method 8021

ne	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	21-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	21-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		99.7 %	64.4-134		1102106	MS	21-Oct-11	8021B

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

10C-1 (3') H102253-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Total Metals by ICPMS

Arsenic	3.62	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	75.2	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.460	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	12.0	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	6.70	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.097 mg/kg dry wt.	485	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.0726	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Organic Compounds

Alkalinity, Bicarbonate	53.7	5.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M	
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M	
Chloride	4.00	4.00 mg/kg	1	1102005	AP	20-Oct-11	4500-Cl-B	
Conductivity	157	0.250 uS/cm	1	1110911	HM	08-Nov-11	120.1	
pH	8.25	0.100 pH Units	1	1110911	HM	08-Nov-11	9045	
Sulfate	ND	10.0 mg/kg	1	1110902	HM	08-Nov-11	375.4	
Alkalinity, Total	44.0	4.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M	

Organic Compounds

GRO C6-C10	ND	10.0 mg/kg	1	1102107	AB	22-Oct-11	8015M	
DRO >C10-C28	ND	10.0 mg/kg	1	1102107	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctane	90.3 %	55.5-154	1102107	AB	22-Oct-11	8015M		
Surrogate: 1-Chlorooctadecane	97.5 %	57.6-158	1102107	AB	22-Oct-11	8015M		

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050 mg/kg	50	1102106	MS	21-Oct-11	8021B	
Toluene	ND	0.050 mg/kg	50	1102106	MS	21-Oct-11	8021B	
Ethylbenzene	ND	0.050 mg/kg	50	1102106	MS	21-Oct-11	8021B	
Total Xylenes	ND	0.150 mg/kg	50	1102106	MS	21-Oct-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	98.0 %	64.4-134	1102106	MS	21-Oct-11	8021B		

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims are based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

**10C-1 (3')
H102253-16 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

TOTAL METALS BY ICP

Aluminum	16800	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	9370	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Copper	3.16	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	13100	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	3030	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Manganese	73.1	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	2880	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
	31.8	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**11A (1')
H102253-17 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	4.00	4.00	mg/kg	1	1102005	AP	20-Oct-11	4500-Cl-B
----------	------	------	-------	---	---------	----	-----------	-----------

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102107	AB	22-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102107	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctane		96.3 %	55.5-154		1102107	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		98.9 %	57.6-158		1102107	AB	22-Oct-11	8015M

Volatile Organic Compounds by EPA Method 8021

None	ND	0.050	mg/kg	50	1102106	MS	22-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102106	MS	22-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	22-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	22-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		106 %	64.4-134		1102106	MS	22-Oct-11	8021B

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**11A (3')
H102253-18 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Total Metals by ICPMS**

Arsenic	2.14	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	63.5	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.336	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	5.60	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	3.39	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.097 mg/kg dry wt.	485	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.0560	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	39.0	5.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M
Chloride	4.00	4.00 mg/kg	1	1102005	AP	20-Oct-11	4500-Cl-B
Conductivity	270	0.250 uS/cm	1	1110911	HM	08-Nov-11	120.1
pH	8.07	0.100 pH Units	1	1110911	HM	08-Nov-11	9045
Sulfate	72.3	10.0 mg/kg	1	1110902	HM	08-Nov-11	375.4
Alkalinity, Total	32.0	4.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctane		91.7 %		55.5-154	1102108	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		100 %		57.6-158	1102108	AB	22-Oct-11	8015M

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1102106	MS	22-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102106	MS	22-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	22-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	22-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		100 %	64.4-134		1102106	MS	22-Oct-11	8021B

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims are based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

11A (3') H102253-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

TOTAL METALS BY ICP

Aluminum	7870	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	57100	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Copper	3.00	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	6390	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	1640	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Manganese	51.9	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	1400	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
	22.3	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

11B (1')
H102253-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	256	16.0	mg/kg	4	1102005	AP	20-Oct-11	4500-Cl-B	
----------	-----	------	-------	---	---------	----	-----------	-----------	--

Organic Compounds

GRO C6-C10	ND	50.0	mg/kg	5	1102108	AB	22-Oct-11	8015M	
DRO >C10-C28	619	50.0	mg/kg	5	1102108	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctane		80.4 %		55.5-154	1102108	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctadecane		87.9 %		57.6-158	1102108	AB	22-Oct-11	8015M	

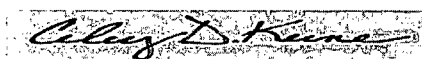
Volatile Organic Compounds by EPA Method 8021

Acetone	ND	0.050	mg/kg	50	1102106	MS	22-Oct-11	8021B	
Toluene	ND	0.050	mg/kg	50	1102106	MS	22-Oct-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	22-Oct-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	22-Oct-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		99.2 %		64.4-134	1102106	MS	22-Oct-11	8021B	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

**11B (3')
 H102253-20 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Total Metals by ICPMS

Arsenic	2.56	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	130	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.443	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	6.76	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	3.37	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.099 mg/kg dry wt.	495	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.0637	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Organic Compounds

Alkalinity, Bicarbonate	107	5.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M
Chloride	304	16.0 mg/kg	4	1102005	AP	20-Oct-11	4500-Cl-B
Conductivity	962	0.250 uS/cm	1	1110911	HM	08-Nov-11	120.1
pH	8.01	0.100 pH Units	1	1110911	HM	08-Nov-11	9045
Sulfate	181	25.0 mg/kg	2.5	1110902	HM	08-Nov-11	375.4
Alkalinity, Total	88.0	4.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctane		83.0 %	55.5-154		1102108	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		94.8 %	57.6-158		1102108	AB	22-Oct-11	8015M

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1102106	MS	22-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102106	MS	22-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102106	MS	22-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102106	MS	22-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		103 %	64.4-134		1102106	MS	22-Oct-11	8021B

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

**11B (3')
H102253-20 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

TOTAL METALS BY ICP

Aluminum	8920	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	133000	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Copper	2.62	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	6270	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	2590	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Manganese	45.4	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	1550	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	104	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
	25.5	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**11B-1 (1')
H102253-21 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0	16.0	mg/kg	4	1102005	AP	20-Oct-11	4500-Cl-B	
----------	------	------	-------	---	---------	----	-----------	-----------	--

Organic Compounds

GRO C6-C10	ND	50.0	mg/kg	5	1102108	AB	22-Oct-11	8015M	
DRO >C10-C28	165	50.0	mg/kg	5	1102108	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctane		95.8 %	55.5-154		1102108	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctadecane		97.7 %	57.6-158		1102108	AB	22-Oct-11	8015M	

Volatile Organic Compounds by EPA Method 8021

ne	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Toluene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		102 %	64.4-134		1102402	MS	24-Oct-11	8021B	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

**11B-1 (3')
 H102253-22 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Total Metals by ICPMS

Arsenic	2.50	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	79.7	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.445	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	7.19	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	3.91	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.099 mg/kg dry wt.	495	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.0791	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Organic Compounds

Alkalinity, Bicarbonate	97.6	5.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M
Chloride	368	16.0 mg/kg	4	1102005	AP	20-Oct-11	4500-Cl-B
Conductivity	1480	0.250 uS/cm	1	1110912	HM	08-Nov-11	120.1
pH	8.15	0.100 pH Units	1	1110912	HM	08-Nov-11	9045
Sulfate	132	25.0 mg/kg	2.5	1110902	HM	08-Nov-11	375.4
Alkalinity, Total	80.0	4.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctane		88.2 %	55.5-154		1102108	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		96.6 %	57.6-158		1102108	AB	22-Oct-11	8015M

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102402	MS	24-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		104 %	64 4-134		1102402	MS	24-Oct-11	8021B

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

**11B-1 (3')
H102253-22 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

TOTAL METALS BY ICP

Aluminum	9020	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	44500	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Copper	3.22	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	7410	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	1830	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Manganese	57.3	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	1660	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
	23.7	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

**11C (1')
 H102253-23 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	48.0	16.0	mg/kg	4	1102005	AP	20-Oct-11	4500-Cl-B	
----------	------	------	-------	---	---------	----	-----------	-----------	--

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M	
DRO >C10-C28	65.1	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctane		93.3 %	55.5-154		1102108	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctadecane		82.7 %	57.6-158		1102108	AB	22-Oct-11	8015M	

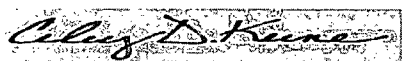
Volatile Organic Compounds by EPA Method 8021

Acetone	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Toluene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		97.4 %	64.4-134		1102402	MS	24-Oct-11	8021B	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such damages are based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

11C (3') H102253-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Total Metals by ICPMS

Arsenic	1.68	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	52.1	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.307	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	6.31	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	3.57	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.097 mg/kg dry wt.	485	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.0494	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Organic Compounds

Alkalinity, Bicarbonate	127	5.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M
Chloride	32.0	16.0 mg/kg	4	1102005	AP	20-Oct-11	4500-Cl-B
Conductivity	320	0.250 uS/cm	1	1110912	HM	08-Nov-11	120.1
pH	8.29	0.100 pH Units	1	1110912	HM	08-Nov-11	9045
Sulfate	18.2	10.0 mg/kg	1	1110902	HM	08-Nov-11	375.4
Alkalinity, Total	104	4.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctane		96.1 %	55.5-154		1102108	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		109 %	57.6-158		1102108	AB	22-Oct-11	8015M

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102402	MS	24-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		102 %	64.4-134		1102402	MS	24-Oct-11	8021B

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims are based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

**11C (3')
H102253-24 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

TOTAL METALS BY ICP

Aluminum	7280	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	12800	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Copper	2.67	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	6540	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	1150	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Manganese	55.6	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	1390	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
	17.6	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

12A (1')
H102253-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Inorganic Compounds

Chloride	4.00	4.00	mg/kg	1	1102005	AP	20-Oct-11	4500-Cl-B	
----------	------	------	-------	---	---------	----	-----------	-----------	--

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M	
DRO >C10-C28	24.9	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctane		91.0 %	55.5-154		1102108	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctadecane		93.4 %	57.6-158		1102108	AB	22-Oct-11	8015M	

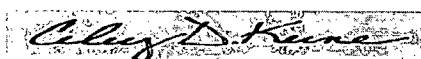
Volatile Organic Compounds by EPA Method 8021

Acetone	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Toluene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		102 %	64.4-134		1102402	MS	24-Oct-11	8021B	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40

12A (3')

H102253-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Total Metals by ICPMS**

Arsenic	2.62	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	69.6	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.306	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	10.1	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	5.81	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.098 mg/kg dry wt.	490	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.0513	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Organic Compounds

Alkalinity, Bicarbonate	68.3	5.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M	
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M	
Chloride	4.00	4.00 mg/kg	1	1102005	AP	20-Oct-11	4500-Cl-B	
Conductivity	165	0.250 uS/cm	1	1110912	HM	08-Nov-11	120.1	
pH	8.02	0.100 pH Units	1	1110912	HM	08-Nov-11	9045	
Sulfate	ND	10.0 mg/kg	1	1110902	HM	08-Nov-11	375.4	
Alkalinity, Total	56.0	4.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M	

Organic Compounds

GRO C6-C10	ND	10.0 mg/kg	1	1102108	AB	22-Oct-11	8015M	
DRO >C10-C28	ND	10.0 mg/kg	1	1102108	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctane	83.9 %	55.5-154	1102108	AB	22-Oct-11	8015M		
Surrogate: 1-Chlorooctadecane	101 %	57.6-158	1102108	AB	22-Oct-11	8015M		

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050 mg/kg	50	1102402	MS	24-Oct-11	8021B	
Toluene	ND	0.050 mg/kg	50	1102402	MS	24-Oct-11	8021B	
Ethylbenzene	ND	0.050 mg/kg	50	1102402	MS	24-Oct-11	8021B	
Total Xylenes	ND	0.150 mg/kg	50	1102402	MS	24-Oct-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	103 %	64.4-134	1102402	MS	24-Oct-11	8021B		

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

**12A (3')
H102253-26 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

TOTAL METALS BY ICP

Aluminum	12600	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	2380	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Copper	2.64	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	10600	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	2300	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Manganese	65.7	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	2550	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
	23.1	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**12A-1 (1')
H102253-27 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	4.00	4.00	mg/kg	1	1102005	AP	20-Oct-11	4500-Cl-B	
----------	------	------	-------	---	---------	----	-----------	-----------	--

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M	
DRO >C10-C28	43.6	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctane		89.1 %	55.5-154		1102108	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctadecane		89.1 %	57.6-158		1102108	AB	22-Oct-11	8015M	

Volatile Organic Compounds by EPA Method 8021

None	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Toluene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		98.6 %	64.4-134		1102402	MS	24-Oct-11	8021B	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

**12A-1 (3')
 H102253-28 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Total Metals by ICPMS

Arsenic	2.60	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	92.1	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.500	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	8.39	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	4.33	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.099 mg/kg dry wt.	495	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.0870	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	122	5.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M
Chloride	4.00	4.00 mg/kg	1	1102005	AP	20-Oct-11	4500-Cl-B
Conductivity	339	0.250 uS/cm	1	1110912	HM	08-Nov-11	120.1
pH	8.16	0.100 pH Units	1	1110912	HM	08-Nov-11	9045
Sulfate	61.2	10.0 mg/kg	1	1110902	HM	08-Nov-11	375.4
Alkalinity, Total	100	4.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M
DRO >C10-C28	ND	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctane		75.6 %	55.5-154		1102108	AB	22-Oct-11	8015M
Surrogate: 1-Chlorooctadecane		83.7 %	57.6-158		1102108	AB	22-Oct-11	8015M

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B
Toluene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B
Ethylbenzene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B
Total Xylenes	ND	0.150	mg/kg	50	1102402	MS	24-Oct-11	8021B
Surrogate: 4-Bromofluorobenzene (PID)		101 %	64.4-134		1102402	MS	24-Oct-11	8021B

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

**12A-1 (3')
 H102253-28 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
TOTAL METALS BY ICP

Aluminum	10000	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	58500	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Copper	3.58	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	7970	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	1810	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Manganese	90.7	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	2040	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
	26.3	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**12B (1')
H102253-29 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	12.0	4.00	mg/kg	1	1102005	AP	20-Oct-11	4500-Cl-B
----------	------	------	-------	---	---------	----	-----------	-----------

Organic Compounds

GRO C6-C10	ND	50.0	mg/kg	5	1102108	AB	22-Oct-11	8015M
------------	----	------	-------	---	---------	----	-----------	-------

DRO >C10-C28	602	50.0	mg/kg	5	1102108	AB	22-Oct-11	8015M
--------------	-----	------	-------	---	---------	----	-----------	-------

Surrogate: 1-Chlorooctane	79.5 %	55.5-154		1102108	AB	22-Oct-11	8015M
---------------------------	--------	----------	--	---------	----	-----------	-------

Surrogate: 1-Chlorooctadecane	103 %	57.6-158		1102108	AB	22-Oct-11	8015M
-------------------------------	-------	----------	--	---------	----	-----------	-------

Volatiles Organic Compounds by EPA Method 8021

Acetone	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B
---------	----	-------	-------	----	---------	----	-----------	-------

Toluene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B
---------	----	-------	-------	----	---------	----	-----------	-------

Ethylbenzene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B
--------------	----	-------	-------	----	---------	----	-----------	-------

Total Xylenes	ND	0.150	mg/kg	50	1102402	MS	24-Oct-11	8021B
---------------	----	-------	-------	----	---------	----	-----------	-------

Surrogate: 4-Bromofluorobenzene (PID)	101 %	64.4-134		1102402	MS	24-Oct-11	8021B
---------------------------------------	-------	----------	--	---------	----	-----------	-------

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40

12B (3')

H102253-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Total Metals by ICPMS**

Arsenic	2.04	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	48.5	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.317	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	7.51	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	4.52	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.099 mg/kg dry wt.	495	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.0576	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Inorganic Compounds

Alkalinity, Bicarbonate	283	5.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M	
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M	
Chloride	12.0	4.00 mg/kg	1	1102005	AP	20-Oct-11	4500-Cl-B	
Conductivity	489	0.250 uS/cm	1	1110912	HM	08-Nov-11	120.1	
pH	7.84	0.100 pH Units	1	1110912	HM	08-Nov-11	9045	
Sulfate	583	625 mg/kg	62.5	1110902	HM	08-Nov-11	375.4	J
Alkalinity, Total	232	4.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M	

Organic Compounds

GRO C6-C10	ND	10.0 mg/kg	1	1102108	AB	22-Oct-11	8015M	
DRO >C10-C28	ND	10.0 mg/kg	1	1102108	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctane	85.1 %	55.5-154	1102108	AB	22-Oct-11	8015M		
Surrogate: 1-Chlorooctadecane	85.9 %	57.6-158	1102108	AB	22-Oct-11	8015M		

Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050 mg/kg	50	1102402	MS	24-Oct-11	8021B	
Toluene	ND	0.050 mg/kg	50	1102402	MS	24-Oct-11	8021B	
Ethylbenzene	ND	0.050 mg/kg	50	1102402	MS	24-Oct-11	8021B	
Total Xylenes	ND	0.150 mg/kg	50	1102402	MS	24-Oct-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	102 %	64.4-134	1102402	MS	24-Oct-11	8021B		

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

**12B (3')
H102253-30 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

TOTAL METALS BY ICP

Aluminum	8410	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	587	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Copper	2.98	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	8000	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	1700	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Manganese	78.1	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	1910	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	316	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
	18.1	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**12C (1')
H102253-31 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	4.00	4.00	mg/kg	1	1102006	AP	20-Oct-11	4500-Cl-B	
----------	------	------	-------	---	---------	----	-----------	-----------	--

Organic Compounds

GRO C6-C10	ND	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M	
DRO >C10-C28	80.3	10.0	mg/kg	1	1102108	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctane		94.2 %	55.5-154		1102108	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctadecane		95.2 %	57.6-158		1102108	AB	22-Oct-11	8015M	

Volatile Organic Compounds by EPA Method 8021

ne	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Toluene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Ethylbenzene	ND	0.050	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Total Xylenes	ND	0.150	mg/kg	50	1102402	MS	24-Oct-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		99.8 %	64.4-134		1102402	MS	24-Oct-11	8021B	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

**12C (3')
 H102253-32 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
Total Metals by ICPMS

Arsenic	1.34	0.050 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Barium	35.0	0.50 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Cadmium	0.280	0.100 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Chromium	5.40	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Lead	3.08	0.05 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL
Mercury	ND	0.100 mg/kg dry wt.	500	1110909	JM	04-Nov-11	7471A	GAL
Selenium	ND	1.00 mg/kg dry wt.	1000	1110910	JM	03-Nov-11	6020	GAL
Silver	0.0434	0.0100 mg/kg dry wt.	100	1110910	JM	02-Nov-11	6020	GAL

Organic Compounds

Alkalinity, Bicarbonate	132	5.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M	
Alkalinity, Carbonate	ND	0.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M	
Chloride	4.00	4.00 mg/kg	1	1102006	AP	20-Oct-11	4500-Cl-B	
Conductivity	410	0.250 uS/cm	1	1110912	HM	08-Nov-11	120.1	
pH	8.31	0.100 pH Units	1	1110912	HM	08-Nov-11	9045	
Sulfate	83.0	10.0 mg/kg	1	1110902	HM	08-Nov-11	375.4	
Alkalinity, Total	108	4.00 mg/kg	1	1110903	HM	08-Nov-11	310.1M	

Organic Compounds

GRO C6-C10	ND	10.0 mg/kg	1	1102108	AB	22-Oct-11	8015M	
DRO >C10-C28	ND	10.0 mg/kg	1	1102108	AB	22-Oct-11	8015M	
Surrogate: 1-Chlorooctane	93.8 %	55.5-154	1102108	AB	22-Oct-11	8015M		
Surrogate: 1-Chlorooctadecane	97.2 %	57.6-158	1102108	AB	22-Oct-11	8015M		

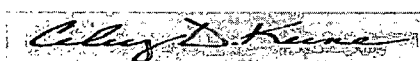
Volatile Organic Compounds by EPA Method 8021

Benzene	ND	0.050 mg/kg	50	1102402	MS	24-Oct-11	8021B	
Toluene	ND	0.050 mg/kg	50	1102402	MS	24-Oct-11	8021B	
Ethylbenzene	ND	0.050 mg/kg	50	1102402	MS	24-Oct-11	8021B	
Total Xylenes	ND	0.150 mg/kg	50	1102402	MS	24-Oct-11	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	100 %	64.4-134	1102402	MS	24-Oct-11	8021B		

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims are based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

**12C (3')
 H102253-32 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories
TOTAL METALS BY ICP

Aluminum	5210	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Calcium	6490	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Copper	2.98	2.00 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Iron	5380	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Magnesium	957	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Manganese	59.1	0.5 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL
Potassium	1230	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
Sodium	ND	100 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010B	GAL
	14.2	5.0 mg/kg dry wt.	100	1110908	JM	27-Oct-11	6010	GAL

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

Total Mercury by CVAA - Quality Control

Cardinal Laboratories

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

Batch 1110909 - EPA 7471

Blank (1110909-BLK1)

Prepared & Analyzed: 04-Nov-11

Mercury	ND	0.0002	mg/kg dry wt.							
---------	----	--------	------------------	--	--	--	--	--	--	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

Total Mercury by CVAA - Quality Control

Cardinal Laboratories

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

Batch 1110909 - EPA 7471

LCS (1110909-BS1)

Prepared & Analyzed: 04-Nov-11

Mercury	1.05		mg/kg	1.00		105	85-115			
---------	------	--	-------	------	--	-----	--------	--	--	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

Total Mercury by CVAA - Quality Control

Cardinal Laboratories

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

Batch 1110909 - EPA 7471

LCS Dup (1110909-BSD1)

Prepared & Analyzed: 04-Nov-11

Mercury	1.05		mg/kg	1.00		105	85-115	0.00	20	
---------	------	--	-------	------	--	-----	--------	------	----	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

Total Mercury by CVAA - Quality Control

Cardinal Laboratories

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

Batch 1110910 - EPA 3050

Blank (1110910-BLK1)

Prepared: 31-Oct-11 Analyzed: 02-Nov-11

Lead	ND	0.0005	mg/kg dry wt.							
Barium	0.009	0.0005	mg/kg dry wt.							B1
Arsenic	ND	0.0005	mg/kg dry wt.							
Silver	ND	0.0001	mg/kg dry wt.							
Cadmium	ND	0.0001	mg/kg dry wt.							
ium	ND	0.001	mg/kg dry wt.							
Selenium	ND	0.001	mg/kg dry wt.							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: NOT GIVEN
 Project Manager: CAROLYN DORAN HAYNES
 Fax To: (575) 394-2653

 Reported:
 10-Nov-11 14:40

Total Metals by ICPMS - Quality Control
Cardinal Laboratories

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

Batch 1110910 - EPA 3050
LCS (1110910-BS1)

Prepared: 31-Oct-11 Analyzed: 03-Nov-11

Cadmium	0.0518		mg/L	0.0500		104	85-115			
Chromium	0.049		mg/L	0.0500		97.6	85-115			
Selenium	0.275		mg/L	0.250		110	85-115			
Arsenic	0.051		mg/L	0.0500		101	85-115			
Lead	0.05		mg/L	0.0500		99.4	85-115			
Silver	0.0503		mg/L	0.0500		101	85-115			
Barium	0.05		mg/L	0.0500		99.2	85-115			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

Total Metals by ICPMS - Quality Control

Cardinal Laboratories

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

Batch 1110910 - EPA 3050

LCS Dup (1110910-BSD1)

Prepared: 31-Oct-11 Analyzed: 02-Nov-11

Lead	0.05	mg/L	0.0500	98.8	85-115	0.605	20
Selenium	0.269	mg/L	0.250	108	85-115	2.21	20
Cadmium	0.0516	mg/L	0.0500	103	85-115	0.387	20
Silver	0.0498	mg/L	0.0500	99.6	85-115	0.999	20
Chromium	0.053	mg/L	0.0500	107	85-115	8.81	20
Barium	0.05	mg/L	0.0500	99.0	85-115	0.202	20
Arsenic	0.052	mg/L	0.0500	104	85-115	2.34	20

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**Total Metals by ICPMS - Quality Control****Cardinal Laboratories**

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

Inorganic Compounds - Quality Control**Cardinal Laboratories**

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

Batch 1101914 - 1:4 DI Water**Blank (1101914-BLK1)**

Prepared & Analyzed: 19-Oct-11

Chloride ND 16.0 mg/kg

LCS (1101914-BS1)

Prepared & Analyzed: 19-Oct-11

le 432 16.0 mg/kg 400 108 80-120

LCS Dup (1101914-BSD1)

Prepared & Analyzed: 19-Oct-11

Chloride 432 16.0 mg/kg 400 108 80-120 0.00 20

Batch 1102005 - 1:4 DI Water**Blank (1102005-BLK1)**

Prepared & Analyzed: 20-Oct-11

Chloride ND 16.0 mg/kg

LCS (1102005-BS1)

Prepared & Analyzed: 20-Oct-11

Chloride 432 16.0 mg/kg 400 108 80-120

LCS Dup (1102005-BSD1)

Prepared & Analyzed: 20-Oct-11

Chloride 432 16.0 mg/kg 400 108 80-120 0.00 20

Batch 1102006 - 1:4 DI Water**Blank (1102006-BLK1)**

Prepared & Analyzed: 20-Oct-11

Chloride ND 16.0 mg/kg

LCS (1102006-BS1)

Prepared & Analyzed: 20-Oct-11

Chloride 448 16.0 mg/kg 400 112 80-120

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**Inorganic Compounds - Quality Control****Cardinal Laboratories**

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

Batch 1102006 - 1:4 DI Water**LCS Dup (1102006-BSD1)**

Prepared & Analyzed: 20-Oct-11

Chloride	416	16.0	mg/kg	400		104	80-120	7.41	20	
----------	-----	------	-------	-----	--	-----	--------	------	----	--

Batch 1102105 - General Prep - Wet Chem**Blank (1102105-BLK1)**

Prepared & Analyzed: 21-Oct-11

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

X (1102105-BS1)

Prepared & Analyzed: 21-Oct-11

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

LCS Dup (1102105-BSD1)

Prepared & Analyzed: 21-Oct-11

Alkalinity, Carbonate	ND	0.00	mg/kg				80-120		20	
Alkalinity, Bicarbonate	ND	5.00	mg/kg				80-120		20	
Alkalinity, Total	120	4.00	mg/kg	100		120	80-120	6.90	20	

Batch 1110902 - General Prep - Wet Chem**Blank (1110902-BLK1)**

Prepared & Analyzed: 08-Nov-11

Sulfate	ND	10.0	mg/kg							
---------	----	------	-------	--	--	--	--	--	--	--

LCS (1110902-BS1)

Prepared & Analyzed: 08-Nov-11

Sulfate	20.3	10.0	mg/kg	20.0		102	80-120			
---------	------	------	-------	------	--	-----	--------	--	--	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**Inorganic Compounds - Quality Control****Cardinal Laboratories**

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

Batch 1110902 - General Prep - Wet Chem**LCS Dup (1110902-BSD1)**

Prepared & Analyzed: 08-Nov-11

Sulfate	20.1	10.0	mg/kg	20.0	100	80-120	0.990	20	
---------	------	------	-------	------	-----	--------	-------	----	--

Batch 1110903 - General Prep - Wet Chem**Blank (1110903-BLK1)**

Prepared & Analyzed: 08-Nov-11

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

*** BS (1110903-BS1)**

Prepared & Analyzed: 08-Nov-11

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

LCS Dup (1110903-BSD1)

Prepared & Analyzed: 08-Nov-11

Alkalinity, Carbonate	ND	0.00	mg/kg			80-120		20	
Alkalinity, Bicarbonate	ND	5.00	mg/kg			80-120		20	
Alkalinity, Total	116	4.00	mg/kg	100	116	80-120	3.51	20	

Batch 1110911 - 1:1 DI**LCS (1110911-BS1)**

Prepared & Analyzed: 08-Nov-11

pH	7.08		pH Units	7.00	101	90-110			
Conductivity	510		uS/cm	500	102	80-120			

Duplicate (1110911-DUP1)

Source: H102253-02

Prepared & Analyzed: 08-Nov-11

pH	7.74	0.100	pH Units	7.72			0.259	20	
Conductivity	800	0.250	uS/cm	802			0.250	20	

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

Inorganic Compounds - Quality Control

Cardinal Laboratories

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

Batch 1110912 - 1:1 DI

LCS (1110912-BS1)

Prepared & Analyzed: 08-Nov-11

pH	7.08		pH Units	7.00		101	90-110			
Conductivity	511		uS/cm	500		102	80-120			

Duplicate (1110912-DUP1)

Source: H102253-22

Prepared & Analyzed: 08-Nov-11

pH	8.13	0.100	pH Units	8.15				0.246	20	
Conductivity	1480	0.250	uS/cm	1480				0.135	20	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**Organic Compounds - Quality Control****Cardinal Laboratories**

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

Batch 1102107 - General Prep - Organics**Blank (1102107-BLK1)**

Prepared: 20-Oct-11 Analyzed: 21-Oct-11

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	45.9		mg/kg	50.5		90.9	55.5-154			
Surrogate: 1-Chlorooctadecane	47.4		mg/kg	51.0		92.9	57.6-158			

LCS (1102107-BS1)

Prepared: 20-Oct-11 Analyzed: 21-Oct-11

GRO C6-C10	172	10.0	mg/kg	200		85.9	63.5-131			
DRO >C10-C28	164	10.0	mg/kg	200		81.8	52.3-130			
Surrogate: 1-Chlorooctane	47.4		mg/kg	50.5		93.9	55.5-154			
Surrogate: 1-Chlorooctadecane	50.9		mg/kg	51.0		99.8	57.6-158			

LCS Dup (1102107-BSD1)

Prepared: 20-Oct-11 Analyzed: 21-Oct-11

GRO C6-C10	178	10.0	mg/kg	200		89.1	63.5-131	3.64	13.9	
DRO >C10-C28	170	10.0	mg/kg	200		85.1	52.3-130	3.95	18.1	
Surrogate: 1-Chlorooctane	49.6		mg/kg	50.5		98.2	55.5-154			
Surrogate: 1-Chlorooctadecane	53.3		mg/kg	51.0		105	57.6-158			

Batch 1102108 - General Prep - Organics**Blank (1102108-BLK1)**

Prepared: 21-Oct-11 Analyzed: 22-Oct-11

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.5		mg/kg	50.5		94.0	55.5-154			
Surrogate: 1-Chlorooctadecane	49.2		mg/kg	51.0		96.4	57.6-158			

LCS (1102108-BS1)

Prepared: 21-Oct-11 Analyzed: 22-Oct-11

GRO C6-C10	182	10.0	mg/kg	200		91.1	63.5-131			
DRO >C10-C28	172	10.0	mg/kg	200		86.1	52.3-130			
Surrogate: 1-Chlorooctane	51.2		mg/kg	50.5		101	55.5-154			
Surrogate: 1-Chlorooctadecane	52.8		mg/kg	51.0		103	57.6-158			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

Organic Compounds - Quality Control

Cardinal Laboratories

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

Batch 1102108 - General Prep - Organics

LCS Dup (1102108-BSD1)

Prepared: 21-Oct-11 Analyzed: 22-Oct-11

GRO C6-C10	175	10.0	mg/kg	200		87.6	63.5-131	3.87	13.9	
DRO >C10-C28	165	10.0	mg/kg	200		82.4	52.3-130	4.36	18.1	
Surrogate: 1-Chlorooctane	48.5		mg/kg	50.5		96.1	55.5-154			
Surrogate: 1-Chlorooctadecane	50.8		mg/kg	51.0		99.6	57.6-158			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**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
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1102106 - Volatiles**Blank (1102106-BLK1)**

Prepared & Analyzed: 21-Oct-11

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							
Surrogate: 4-Bromofluorobenzene (PID)	0.0501		mg/kg	0.0488		103	64.4-134			

LCS (1102106-BS1)

Prepared & Analyzed: 21-Oct-11

Benzene	2.08	0.050	mg/kg	2.00		104	65.2-126			
Toluene	2.04	0.050	mg/kg	2.00		102	73.2-126			
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	74.4-131			
Total Xylenes	6.04	0.150	mg/kg	6.00		101	73.5-130			
Surrogate: 4-Bromofluorobenzene (PID)	0.0478		mg/kg	0.0488		98.0	64.4-134			

LCS Dup (1102106-BSD1)

Prepared & Analyzed: 21-Oct-11

Benzene	2.14	0.050	mg/kg	2.00		107	65.2-126	3.04	26.9	
Toluene	2.10	0.050	mg/kg	2.00		105	73.2-126	3.02	27.9	
Ethylbenzene	2.09	0.050	mg/kg	2.00		105	74.4-131	3.37	28.5	
Total Xylenes	6.24	0.150	mg/kg	6.00		104	73.5-130	3.23	27.7	
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0488		100	64.4-134			

Batch 1102402 - Volatiles**Blank (1102402-BLK1)**

Prepared & Analyzed: 24-Oct-11

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							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0488		99.1	64.4-134			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such damages are based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**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
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1102402 - Volatiles**LCS (1102402-BS1)**

Prepared & Analyzed: 24-Oct-11

Benzene	2.14	0.050	mg/kg	2.00		107	65.2-126			
Toluene	2.19	0.050	mg/kg	2.00		109	73.2-126			
Ethylbenzene	2.21	0.050	mg/kg	2.00		111	74.4-131			
Total Xylenes	6.64	0.150	mg/kg	6.00		111	73.5-130			
Surrogate: 4-Bromofluorobenzene (PID)	0.0498		mg/kg	0.0488		102	64.4-134			

LCS Dup (1102402-BSD1)

Prepared & Analyzed: 24-Oct-11

Benzene	2.06	0.050	mg/kg	2.00		103	65.2-126	3.62	26.9	
Toluene	2.02	0.050	mg/kg	2.00		101	73.2-126	7.66	27.9	
Ethylbenzene	2.01	0.050	mg/kg	2.00		100	74.4-131	9.58	28.5	
Total Xylenes	6.00	0.150	mg/kg	6.00		100	73.5-130	10.2	27.7	
Surrogate: 4-Bromofluorobenzene (PID)	0.0486		mg/kg	0.0488		99.7	64.4-134			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:JOHN H. HENDRIX CORPORATION
P. O. BOX 3040
MIDLAND TX, 79702Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653Reported:
10-Nov-11 14:40**TOTAL METALS BY ICP - Quality Control****Cardinal Laboratories**

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

Batch 1110908 - EPA 3050**Blank (1110908-BLK1)**

Prepared & Analyzed: 27-Oct-11

Sodium	ND	1.0	mg/kg dry wt.							
Manganese	ND	0.005	mg/kg dry wt.							
Potassium	ND	1.0	mg/kg dry wt.							
Aluminum	ND	0.05	mg/kg dry wt.							
Zinc	ND	0.05	mg/kg dry wt.							
Sodium	ND	1.0	mg/kg dry wt.							
Calcium	ND	1.0	mg/kg dry wt.							
Copper	0.03	0.02	mg/kg dry wt.							BI
Iron	ND	0.05	mg/kg dry wt.							

LCS (1110908-BS1)

Prepared & Analyzed: 27-Oct-11

Potassium	8.1		mg/L	8.00	101	85-115		
Manganese	2.0		mg/kg	2.00	102	85-115		
Zinc	1.9		mg/kg	2.00	96.0	85-115		
Sodium	6.3		mg/L	6.48	97.7	85-115		
Copper	3.99		mg/kg	4.00	99.8	85-115		
Magnesium	21.1		mg/L	20.0	106	85-115		
Aluminum	4.0		mg/kg	4.00	98.8	85-115		
Calcium	4.1		mg/L	4.00	103	85-115		
Iron	3.9		mg/kg	4.00	98.5	85-115		

LCS Dup (1110908-BSD1)

Prepared & Analyzed: 27-Oct-11

Iron	3.7		mg/kg	4.00	93.2	85-115	5.48	20
Manganese	1.9		mg/kg	2.00	96.5	85-115	5.54	20
Potassium	7.6		mg/L	8.00	95.5	85-115	5.72	20
Aluminum	3.8		mg/kg	4.00	94.0	85-115	4.93	20

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: JHHC SWMF NM-02-0021
Project Number: NOT GIVEN
Project Manager: CAROLYN DORAN HAYNES
Fax To: (575) 394-2653

Reported:
10-Nov-11 14:40

TOTAL METALS BY ICP - Quality Control

Cardinal Laboratories

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

Batch 1110908 - EPA 3050

LCS Dup (1110908-BSD1)

Prepared & Analyzed: 27-Oct-11

Sodium	6.0		mg/L	6.48		93.1	85-115	4.85	20	
Calcium	4.0		mg/L	4.00		100	85-115	2.46	20	
Zinc	1.8		mg/kg	2.00		91.0	85-115	5.35	20	
Magnesium	20.0		mg/L	20.0		100	85-115	5.35	20	
Copper	3.79		mg/kg	4.00		94.8	85-115	5.14	20	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

M5	Sample chosen for matrix spike. Spike recovery less than 30%, possible matrix interference in sample.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
GAL	Analysis subcontracted to Green Analytical Laboratories, a subsidiary of Cardinal Laboratories.
B1	Target analyte detected in method blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the method blank or less than the reporting limit.
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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

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 #

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) PO Box 3040, Midland TX 79702, 3040		Fax#
Phone # (575) 394-2649	Fax# (575) 394-2653	Phone # (432) 684-6631	Email: cdoranhaynes@jhnc.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		

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	Grab or Comp	# CONTAINERS	MATRIX				PRESERVATIVE METHOD				SAMPLING		DATE	TIME	MTBE 8021B/602	BTEX 8021B	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, SO4, CO3, HCO3, T-ALK)	Total Dissolved Solids (SM2540C)	Chlorides (SM4500 B or 300.1)	SPLP Chloride	Turn Around Time - 24 Hours
				WATER	SOIL	AIR	SLUDGE	HCL	HNO3	NaHSO4	H2SO4	ICE	None																					
1	1A (1')	G	1	X								X		10/18/11	1115	X	X																	
2	1A (3')	G	2	X								X		10/18/11	1120	X	X		X	X								X	X					
3	1B (1')	G	1	X								X		10/18/11	1005	X	X															X		
4	1B (3')	G	2	X								X		10/18/11	1010	X	X		X	X								X	X					
5	1B-1 (1')	G	1	X								X		10/18/11	1025	X	X															X		
6	1B-1 (3')	G	2	X								X		10/18/11	1030	X	X		X	X								X	X					
7	1C (1')	G	1	X								X		10/18/11	1045	X	X															X		
8	1C (3')	G	2	X								X		10/18/11	1050	X	X		X	X								X	X					
9	10B (1')	G	1	X								X		10/18/11	1135	X	X															X		
10	10B (3')	G	2	X								X		10/18/11	1140	X	X		X	X								X	X					

Relinquished by <i>[Signature]</i>	Date: <i>10/18/11</i> Time: <i>4:30pm</i>	Received by <i>[Signature]</i>	Date: <i>10/18/11</i> Time: <i>4:30pm</i>	Phone Results ☒ Yes ☐ No
				Fax Results ☒ Yes ☐ No Additional Fax Number:

Relinquished by <i>[Signature]</i>	Date: <i>10/18/11</i> Time: <i>5:30pm</i>	Received By (Laboratory Staff) <i>[Signature]</i>	Date: <i>10/18/11</i> Time: <i>5:30</i>	REMARKS:
				Email Results to: cdoranhaynes@jhnc.org gil@trident-environmental.com

Delivered By (Circle One) <i>[Signature]</i>	Sample Condition: Cool ☒ Intact ☒ Yes ☒ No ☐	CHECKED BY: (Initials) <i>[Signature]</i>
Sampler: ☒ UPS ☐ Bus ☐ Other:		

216

101 East Marland - Hobbs, New
Mexico 88240
Tel (575) 393-2328
Fax (575) 393-2476

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

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) PO Box 3040, Midland TX 79702-3040		Fax#
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		

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX				PRESERVATIVE METHOD				SAMPLING		DATE	TIME	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, SO4, CO3, HCO3, T-AUX)	Total Dissolved Solids (SM2540C)	Chlorides (SM4500/B or 300.1)	SPLP Chloride	Turn Around Time ~ 24 Hours
				WATER	SOIL	AIR	SLUDGE	HCL	HNO3	NaHSO4	H2SO4	ICE	None																					
H102753																																		
11	10B-1 (1)	G	1	X								X		10/18/11	11:55	X	X																	
12	10B-1 (3)	G	2	X								X		10/18/11	12:00	X	X			X	X								X	X				
13	10C (1)	G	1	X								X		10/18/11	12:30	X	X															X		
14	10C (3)	G	2	X								X		10/18/11	12:35	X	X			X	X								X	X				
15	10C-1 (1)	G	1	X								X		10/18/11	12:45	X	X															X		
16	10C-1 (3)	G	2	X								X		10/18/11	12:50	X	X			X	X								X	X				
17	11A (1)	G	1	X								X		10/18/11	1:45	X	X															X		
18	11A (3)	G	2	X								X		10/18/11	1:50	X	X			X	X								X	X				
19	11B (1)	G	1	X								X		10/18/11	1:45	X	X															X		
20	11B (3)	G	2	X								X		10/18/11	1:20	X	X			X	X								X	X				

Relinquished by: <i>Gil Van Deventer</i>	Date: <i>10/18/11</i>	Time: <i>4:00 PM</i>	Received by: <i>CB</i>	Date: <i>10/18/11</i>	Time: <i>4:30 PM</i>
Relinquished by: <i>CB</i>	Date: <i>10/18/11</i>	Time: <i>5:30 PM</i>	Received By (Laboratory Staff): <i>Jodi Jensen</i>	Date: <i>10/18/11</i>	Time: <i>5:30</i>
Delivered By: (Circle One) <i>UPS</i>	Sample Condition: <i>20</i> Yes ☒ No ☐	Cool: ☒ Yes ☐ No ☐	Intact: ☒ Yes ☐ No ☐	CHECKED BY: <i>JJA</i>	(Initials):

Phone Results	Yes	No
Fax Results	Yes	No
REMARKS:		
Email Results to: cdoranhaynes@jhhc.org gil@trident-environmental.com		

101 East Marland - Hobbs, New
Mexico 88240
Tel (575) 393-2326
Fax (575) 393-2478

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

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 # 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		

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	G/Grab or C/Comp	# CONTAINERS	MATRIX				PRESERVATIVE METHOD				SAMPLING		DATE	TIME	MTBE 8021B/602	BTX 8021B	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
				WATER	SOIL	AIR	SLUDGE	HCL	HNO ₃	NaHSO ₄	H ₂ SO ₄	ICE	None																					
21	11B-1 (1)	G	1	X								X		10/18/11	1730	X	X																	
22	11B-1 (3)	G	2	X								X		10/18/11	1740	X	X	X	X									X	X					
23	11C (1)	G	1	X								X		10/18/11	1745	X	X															X		
24	11C (3)	G	2	X								X		10/18/11	1750	X	X	X	X									X	X					
25	12A (1)	G	1	X								X		10/18/11	1805	X	X															X		
26	12A (3)	G	2	X								X		10/18/11	1810	X	X	X	X									X	X					
27	12A-1 (1)	G	1	X								X		10/18/11	1825	X	X															X		
28	12A-1 (3)	G	2	X								X		10/18/11	1830	X	X	X	X									X	X					
29	12B (1)	G	1	X								X		10/18/11	1835	X	X															X		
30	12B (3)	G	2	X								X		10/18/11	1840	X	X	X	X									X	X					
31	12C (1)	G	1	X								X		10/18/11	1825	X	X															X		
32	12C (3)	G	2	X								X		10/18/11	1830	X	X	X	X									X	X					

Relinquished by: <i>[Signature]</i>	Date: <i>10/18/11</i>	Time: <i>4:30pm</i>	Received by: <i>[Signature]</i>	Date: <i>10/18/11</i>	Time: <i>4:30pm</i>
Relinquished by: <i>[Signature]</i>	Date: <i>10/18/11</i>	Time: <i>5:30p</i>	Received By: (Laboratory Staff) <i>[Signature]</i>	Date: <i>10/18/11</i>	Time: <i>5:30</i>
Delivered By: (Circle One)	Sample Condition	CHECKED BY:			
Sampler - UPS - Bus - Other:	20°C Yes ☒ No ☐	Cool Yes ☒ No ☐	Intact Yes ☒ No ☐	(Initials) <i>[Signature]</i>	

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

REMARKS:

Email Results to:

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